

58000782

Hondoh, Takeo, editor (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan).

Physics of ice core records: Hokkaido University Press, Sapporo, Japan, 459 p., illus. incl. 9 plates, tables, 2000. ISBN: 4-8329-0282-2. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan. Individual papers within scope are cited separately.

58000784

Fukazawa, Hiroshi (Hokkaido University, Department of Applied Physics, Sapporo, Japan) and Mae, Shinji.

The vibrational spectra of ice Ih and polar ice: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 25-42, illus. incl. 1 table, sketch map, 55 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000785

Azuma, Nobuhiko (Nagaoka University of Technology, Niigata, Japan); Wang, Yun; Yoshida, Yasu; Narita, Hideki; Hondoh, Takeo; Shoji, Hitoshi and Watanabe, Okitsugu.

Crystallographic analysis of the Dome Fuji ice core: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 45-61, illus., 19 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000787

Jacka, Tim H. (Antarctic CRC, Australian Antarctic Division, Hobart, Tasmania, Australia) and Li, Jun.

Flow rates and crystal orientation fabrics in compression of polycrystalline ice at low temperatures and stresses: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 83-102, illus. incl. 3 tables, 24 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000788

Duval, Paul (CNRS, Laboratoire de Glaciologie et de Géophysique de l'Environnement, St. Martin d'Heres, France).

Deformation and dynamic recrystallization of ice in polar ice sheets: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 103-113, illus., 44 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000794

Wolff, Eric (British Antarctic Survey, Cambridge, United Kingdom).

Electrical stratigraphy of polar ice cores; principles, methods, and findings: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 155-171, illus. incl. 1 table, 39 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000795

Sugiyama, Ken (Hokkaido University, Department of Applied Physics, Sapporo, Japan); Fujita, Shuji; Narita, Hideki; Mae, Shinji; Hondoh, Takeo; Goto-Azuma, Kumiko; Fisher, David A. and Koerner, Roy M.

Measurement of electrical conductance in ice cores by AC-ECM method: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 173-184, illus. incl. 4 tables, 25 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000799

Stauffer, Bernhard (University of Bern, Physics Institute, Bern, Switzerland) and Tschumi, Jürg.

Reconstruction of past atmospheric CO₂ concentrations by ice core analyses: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 217-241, illus. incl. 1 table, 39 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000800

Salamatin, Andrey N. (Kazan State University, Department of Applied Mathematics, Kazan, Russian Federation).

Paleoclimatic reconstructions based on borehole temperature measurements in ice sheets; possibilities and limitations: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 243-282, illus. incl. 6 tables, 91 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000801

Arnaud, Laurent (CNRS, Laboratoire de Glaciologie et de Géophysique de l'Environnement, St. Martin d'Hères, France); Barnola, Jean M. and Duval, Paul.

Physical modeling of the densification of snow/firn and ice in the upper part of polar ice sheets: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 285-305, illus. incl. 1 table, 59 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000803

Lipenkov, Vladimir Ya. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation).

Air bubbles and air-hydrate crystals in the Vostok ice core: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 327-358, illus. incl. 2 tables, 67 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000805

Shoji, Hitoshi (Kitami Institute of Technology, Kitami, Japan); Miyamoto, Atsushi; Kipfstuhl, Josef and Langway, Chester C., Jr.

Microscopic observations of air hydrate inclusions in deep ice core samples: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 363-371, illus. incl. 1 table, 17 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000806

Kuhs, Werner F. (Universität Göttingen, Mineralogisch-Kristallographisches Institut, Göttingen, Federal Republic of Germany); Klapproth, Alice and Chazallon, Bertrand.

Chemical physics of air clathrate hydrates: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 373-392, illus., 58 ref., 2000. *Meeting:* International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000807

Ikeda, Tomoko (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Salamatin, Andrey N.; Lipenkov, Vladimir Ya. and Hondoh, Takeo.

Diffusion of air molecules in polar ice sheets: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 393-421, 54 ref., 2000. *Meeting: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.*

58000808

Uchida, Tsutomu (Hokkaido National Industrial Research Institute, Sapporo, Japan) and Hondoh, Takeo.

Laboratory studies on air-hydrate crystals: *in Physics of ice core records* (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 423-457, illus., 58 ref., 2000. *Meeting: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.*

58001004

Batifol, Françoise.

Les metaux Cd, Cu, Pb et Zn dans les neige et glace antarctiques; une contribution à la connaissance de leur cycle géochimique [Metals Cd, Cu, Pb, and Zn in Antarctic snow and ice; a contribution to the understanding of their geochemical cycles]: 218 p., illus., 111 ref., Doctoral, 1987, Université Scientifique Technologique et Médicale de Grenoble, Grenoble, France. Includes appendices.

58001345

Savatyugin, L. M.

Tridstat' pervaia SAE-sorokovaia RAE [Thirty-first Soviet Antarctic Expedition-fortieth Russian Antarctic Expedition]: *in the collection Rossiiskie issledovaniia v Antarktike* [Russian research in Antarctica. Gidrometeoizdat, Saint Petersburg, Russian Federation, 3, 318 p., illus. incl. 43 tables, 91 ref., 2001. Includes appendices.

58001509

Schellenberg, Beth A. (University of Delaware, Department of Geography, Newark, DE); DeLiberty, Tracy L.; Geiger, Cathleen A.; Silberman, Jordan and Worby, Anthony P.

Investigation of seasonal sea-ice thickness variability in the Ross Sea: *in Thirteenth symposium on Global and climate variations, Symposium on Global and Climate Variations*, 13, p. 130-132, illus. incl. 1 table, sketch map, 6 ref., 2002. *Meeting: Jan. 13-17, 2002, Orlando, FL. NSF Grant OPP-0088040.*

58001651

Frankenstein, Susan (Clarkson University, Department of Civil and Environmental Engineering, Potsdam, NY).

Results of laboratory studies on the drifting of pancake ice: *in Evening sessions of the summer school on Physics of ice-covered seas* (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 41-45, illus., 6 ref., 1994. *Meeting: June 6-17, 1994, Savonlinna, Finland.*

58001652

Geiger, C. A. (Dartmouth College, Thayer School of Engineering, Hanover, NH); Ackley, S. F. and Hibler, W. D., III.

Results from a large scale strain array in western Weddell Sea during 1992: *in Evening sessions of the summer school on Physics of ice-covered seas* (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 47-50, illus. incl. sketch map, 4 ref., 1994. *Meeting: June 6-17, 1994, Savonlinna, Finland. CRREL Report No: ERDC/CRREL MP-03-6114*

58001653

Gohin, Francis (IFREMER, Département d'Océanographie Spatiale, Plouzane, France). Sea ice as observed by the scatterometer of ERS-1: *in* Evening sessions of the summer school on Physics of ice-covered seas (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 51-54, illus. incl. sketch maps, 3 ref., 1994. *Meeting:* June 6-17, 1994, Savonlinna, Finland.

58001655

Haas, Christian (Alfred Wegener Institute, Bremerhaven, Federal Republic of Germany). Ship-based electromagnetic determination of sea ice thickness: *in* Evening sessions of the summer school on Physics of ice-covered seas (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 57-61, illus., 4 ref., 1994. *Meeting:* June 6-17, 1994, Savonlinna, Finland.

58001656

Heil, Petra (University of Kiel, Institut für Meereskunde, Kiel, Federal Republic of Germany).

A thermodynamic model for the growth of the sea ice cover of the Weddell Sea, Antarctica: *in* Evening sessions of the summer school on Physics of ice-covered seas (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 63-71, illus. incl. 1 table, 22 ref., 1994. *Meeting:* June 6-17, 1994, Savonlinna, Finland.

58001665

Stochmal, Wieslaw (University of Szczecin, Sea Physics Department, Szczecin, Poland) and Gurgul, Henryk.

Optical properties of the water in the Admiralty Bay (King George Island, Antarctic): *in* Evening sessions of the summer school on Physics of ice-covered seas (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 115-125, illus. incl. sketch maps, 6 ref., 1994. *Meeting:* June 6-17, 1994, Savonlinna, Finland.

58001668

Weissenberger, J. (University of Lapland, Arctic Centre, Rovaniemi, Finland).

Three dimensional brine channel structure in sea ice: *in* Evening sessions of the summer school on Physics of ice-covered seas (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 133-138, illus. incl. 1 table, 7 ref., 1994. *Meeting:* June 6-17, 1994, Savonlinna, Finland.

58001669

Worby, Anthony P. (Antarctic CRC and Australian Antarctic Division, Hobart, Tasmania, Australia).

Sea ice thickness observations from East Antarctica; some regional and seasonal comparisons: *in* Evening sessions of the summer school on Physics of ice-covered seas (Vihma, Timo, editor), **Report Series in Geophysics. University of Helsinki**, 28, p. 139-142, illus., 4 ref., 1994. *Meeting:* June 6-17, 1994, Savonlinna, Finland.

58001731

Xu Shijie, editor (Chinese Arctic and Antarctic Administration, China).

Proceedings of the Tenth symposium on Antarctic logistics and operations: **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, 196 p., illus. incl. tables, sketch maps, 2002. ISBN: 7-5027-5880-1. *Meeting:* July 15-18, 2002, Shanghai, China. Individual papers within scope are cited separately; Meeting held in conjunction with the 27th meetings of the Scientific Committee on Antarctic Research (SCAR) and the 14th Council of Managers of National Antarctic Programs (COMNAP) meetings.

58001732

Yu Mao (Capital University of Medical Sciences, Beijing Tongren Hospital, Beijing, China).

The medical support to China Antarctic scientific expedition: *in* Proceedings of the Tenth symposium on Antarctic logistics and operations (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 1-4, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001733

Palinkas, Lawrence A. (University of California at San Diego, Department of Family and Preventive Medicine, La Jolla, CA).

The psychology of Antarctic service: *in* Proceedings of the Tenth symposium on Antarctic logistics and operations (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 5-21, 41 ref., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001734

Catalano, Fabio (ENEA Antarctic Project-Italy, Rome, Italy).

Antarctic medical support and standards: *in* Proceedings of the Tenth symposium on Antarctic logistics and operations (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 22-24, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001735

Xu Chengli (Chinese Academy of Medical Sciences, Institute of Basic Medical Sciences, China); Xue Quanfu and Zhu Guangjin.

Changes of serum thyroid hormone and plasma catecholamine of expedition members in Antarctic environment: *in* Proceedings of the Tenth symposium on Antarctic logistics and operations (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 25-32, illus. incl. 2 tables, 9 ref., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001736

Great Britain, British Antarctic Survey Medical Unit, Derriford Hospital Accident and Emergency Department.

Medical events and records transfer: *in* Proceedings of the Tenth symposium on Antarctic logistics and operations (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 33-35, illus., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001737

Ohno, Giichiro (Tokatzu Hospital, Department of Surgery, Nagareyama, Japan) and Miyata, Takahiro.

Morbidity of wintering-over participants in 1st to 41st Japanese Antarctic research expeditions; analysis of 4760 cases: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 36-45, illus., 3 ref., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001738

Andrews, Chris (Derriford Hospital, British Antarctic Survey, Plymouth, United Kingdom); Grant, Iain and Marquis, Peter.

Telemedicine; the place of simple digital medical imaging: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 46-50, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001739

Grant, I. C. (Derriford Hospital, British Antarctic Survey Medical Unit, Plymouth, United Kingdom).

Medical screening in the British Antarctic Survey: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 51-56, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001740

Grant, I. C. (Derriford Hospital, British Antarctic Survey Medical Unit, Plymouth, United Kingdom).

Training of medical officers for Antarctic service: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 57-61, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001741

Oyanguren, Hernan (Chilean Army, Antarctic Department, Punta Arenas, Chile).

Selection and recruitment procedures Chilean Antarctic Program: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 62-71, illus., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001742

Hanson, J. R. W. (British Antarctic Survey, Cambridge, United Kingdom).

The British Antarctic Survey Antarctic employment pool: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 72-80, illus. incl. 2 tables, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001743

Grant, Iain (British Antarctic Survey Medical Unit, Plymouth, United Kingdom); Palinkas, Larry; Suedfeld, Peter; Eriksen, Hege and Ursin, Holger.

Selection of Antarctic personnel: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 81-83, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001744

Peri, Antonio (Italian Antarctic Project, Rome, Italy); Cazes, Geneviève and Bachelard, Claude.

Proposal of psychological section, preparation and monitoring of Concordia Station winter over personnel: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 84-93, 35 ref., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001745

Wright, John H. (Raytheon Polar Services, Centennial, CO); Walsh, Michael R. and Jensen, Eivind B.

An unlined, undersnow utility tunnel at the South Pole: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 94-114, illus. incl. 3 tables, sketch map, 10 ref., 2002. *Meeting:* July 15-18, 2002, Shanghai, China. CRREL Report No: ERDC/CRREL MP-03-6118

58001746

Atwood, Don (Raytheon Polar Services Company, Centennial, CO).

Potential use of IR imaging for search and rescue and crevasse detection: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 115-127, illus. incl. 1 table, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001747

Great Britain, British Antarctic Survey Medical Unit, Derriford Hospital Accident and Emergency Department.

Stores and equipment: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 128-133, 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001748

Solari, Herán (Chilean Army, Engineers Command, Santiago, Chile) and Olguin, Paula.

Collapsible pier for O'Higgins Base: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 134-137, illus., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001749

Cong Kai (State Oceanic Administration, First Institute of Oceanography, China).

New living building at Zhongshan Station will have floor heating sourced by waste heat from the diesel generators: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 165-170, illus., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001750

Eberhard, Patricio (Chilean Antarctic Institute, Santiago, Chile).

Management of liquid and solid waste in the Chilean Antarctic stations: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 171-174, illus., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58001751

Rose, M. C. (British Antarctic Survey, Cambridge, United Kingdom); Kressman, R.; Fox, J.; Maxfield, D. and Kitson, L.

Low and medium power environmental energy systems for the Antarctic Plateau: *in Proceedings of the Tenth symposium on Antarctic logistics and operations* (Xu Shijie, editor), **Proceedings of the ... Symposium on Antarctic Logistics and Operations (SCALOP)**, 10, p. 145-164, illus., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58002234

Drinkwater, Mark R. (Jet Propulsion Laboratory, Pasadena, CA); Kwok, Ronald;

Maslanik, Jim A.; Fowler, Chuck W.; Emery, W. J. and Geiger, Cathleen A.

Quantifying surface fluxes in the ice-covered polar oceans using satellite microwave remote sensing data: *in Proceedings OceanObs '99*, Centre National d'Etudes Spatiales, Ocean Observations Panel for Climate, Toulouse, France, 13 p., illus. incl. sketch map, 40 ref., 1999. *Meeting:* International conference on The ocean observing system for climate, Oct. 18-22, 1999, San Raphael, France.

58002297

Uto, S. (National Maritime Research Institute, Ice Engineering Group, Tokyo, Japan); Shimoda, H. and Izumiya, K.

Sea ice thickness and snow depth distribution of the summer land-fast ice in Lutzow-Holm Bay, East Antarctica: *in Proceedings of the 17th international conference on Port and ocean engineering under arctic conditions*, POAC '03 (Loset, S., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 17, Volume 1, p. 175-183, illus. incl. sketch map, 8 ref., 2003. *Meeting:* June 16-19, 2003, Trondheim, Norway.

58002896

Johnson, Peter, chairperson.

Annual report 2002-2003—Rapport annuel 2002-2003: **Annual Report - Canadian Polar Commission**, 2002-2003, 28 p., illus., 2003.

58002941

Rapley, Chris, prefacer (British Antarctic Survey, Cambridge, United Kingdom).

Annual report; 2002-2003: **Annual Report - British Antarctic Survey**, Rep. No. 2002-2003, 40 p., illus., 2003. ISBN: 1-85531-2190.

58002979

Grabe, G. (Technische Universität Hamburg-Harburg, Hamburg, Federal Republic of Germany).

Eis als Baustoff für die Schiffs- und Meerestechnik [Ice as a building material for ship and marine engineering]: **Schiffstechnik**, 31(4), p. 173-184, illus. incl. sketch maps, 14 ref., November 1984.

58003464

Fitzsimons, Sean (University of Otago, Department of Geography, Dunedin, New Zealand) and Sirota, Paul.

Deformation structures in cold basal ice; insights into subglacial glaciotectonic processes: *in* Ice in the environment (Squire, Vernon, editor; *et al.*), **Proceedings of the ... International Symposium on Ice**, 16, Vol. 3, p. 48-56, illus. incl. sketch map, 17 ref., 2002. *Meeting:* 16th international symposium on Ice, Dec. 2-6, 2002, Dunedin, New Zealand.

58003467

Fitzharris, Blair (University of Otago, Department of Geography, Dunedin, New Zealand) and Prowse, Terry D.

Impacts of climate change on global sea ice: *in* Ice in the environment (Squire, Vernon, editor; *et al.*), **Proceedings of the ... International Symposium on Ice**, 16, Vol. 3, p. 72-79, illus. incl. 1 table, 23 ref., 2002. *Meeting:* 16th international symposium on Ice, Dec. 2-6, 2002, Dunedin, New Zealand.

58003471

Gribble, Martin (University of Otago, Physics Department, Dunedin, New Zealand) and Langhorne, Pat J.

Preliminary observations of the creep behaviour of in situ sea ice beams: *in* Ice in the environment (Squire, Vernon, editor; *et al.*), **Proceedings of the ... International Symposium on Ice**, 16, Vol. 3, p. 100-106, illus. incl. 2 tables, 20 ref., 2002. *Meeting:* 16th international symposium on Ice, Dec. 2-6, 2002, Dunedin, New Zealand.

58003480

Smith, Inga J. (University of Otago, Department of Physics, Dunedin, New Zealand); Gow, Anthony J. and Langhorne, Pat J.

Laboratory investigations into platelet ice formation: *in* Ice in the environment (Squire, Vernon, editor; *et al.*), **Proceedings of the ... International Symposium on Ice**, 16, Vol. 3, p. 171-177, illus., 9 ref., 2002. *Meeting:* 16th international symposium on Ice, Dec. 2-6, 2002, Dunedin, New Zealand. CRREL Report No: ERDC/CRREL MP-04-6221

58003894

Swithinbank, Charles.

Potential airfield sites in Antarctica: Rep. No. R&D 6620-EN-06, 51 p., illus., 13 ref., November 1990. *Available from:* U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States.

58003914

Fisher, David A. (Geological Survey of Canada, Natural Resources Canada, Canada) and Koerner, Roy M.

Holocene ice-core climate history; a multi-variable approach: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 281-293, illus. incl. 2 tables, 2003.

58003915

Mackay, Anson W. (University College London, Department of Geography, London, United Kingdom); Jones, Vivienne J. and Battarbee, Richard W.

Approaches to Holocene climate reconstruction using diatoms: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 294-309, illus. incl. 1 table, 2003.

58003937

Betsill, Michele M. (Colorado State University, Department of Political Science, Fort Collins, CO).

Impacts of stratospheric ozone depletion: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 913-923, illus., 24 ref., 2003.

58003944

Fitzsimons, Sean J. (University of Otago, Department of Geography, Dunedin, New Zealand).

Ice-marginal terrestrial landsystems; polar continental glacier margins: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 89-110, illus. incl. sects., sketch maps, 2003.

58003948

Clark, Chris D. (University of Sheffield, Department of Geography, Sheffield, United Kingdom) and Stokes, Chris R.

Palaeo-ice stream landsystem: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 204-227, illus. incl. 1 table, sketch maps, 2003.

58003951

Vorren, Tore O. (University of Tromso, Institute of Biology and Geology, Tromso, Norway).

Subaqueous landsystems; continental margins: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 289-312, illus. incl. sects., 1 table, sketch maps, 2003.

58003952

Powell, Ross D. (Northern Illinois University, Department of Geology, DeKalb, IL).

Subaqueous landsystems; fjords: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 313-347, illus. incl. block diag., sects., 2 tables, sketch maps, 2003.

58004061

Green, Bill and Potton, Craig, illustrator.

Improbable Eden; the Dry Valleys of Antarctica: Craig Potton Publishing, Nelson, New Zealand, 144 p., illus., December 2003. ISBN: 1877333077.
publisher:<http://www.craigpotton.co.nz/>

58004165

Duval, Paul; Azuma, N.; Carsey, Frank D.; Fisher, D. A.; Fowler, Andrew C.; Gudmundsson, G. Hilmar; Hindmarsh, Richard C. A.; Jacka, Tim H.; Meese, D. A.; Morland, Leslie W.; Ritz, C.; Hvidberg, Christine Schott and Thorsteinsson, T., editors. Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling: **Annals of Glaciology**, 37, 416 p., illus. incl. tables, sketch maps, 2003. ISBN: 0-946417-32-6. *Meeting*: Aug. 25-30, 2002, Chamonix, France. Individual papers within scope are cited separately.
publisher:<http://www.ingentaselect.com/register.htm>

58004175

Patrick, Benjamin A. (**University of Melbourne, Department of Geomatics, Melbourne, Victoria, Australia**); Corvino, Adrian F. and Wilson, Christopher J. L. Ice-flow measurements and deformation at marginal shear zones on Sorsdal Glacier, Ingrid Christensen Coast, East Antarctica: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 60-68, 8 ref., 2003. *Meeting*: Aug. 25-30, 2002, Chamonix, France.

58004180

Wang, Yun (**Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany**); Kipfstuhl, Sepp; Azuma, Nobuhiko; Thorsteinsson, Thorsteinn and Miller, Heinz. Ice-fabrics study in the upper 1500 m of the Dome C (East Antarctica) deep ice core: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 97-104, illus. incl. 1 table, 24 ref., 2003. *Meeting*: Aug. 25-30, 2002, Chamonix, France.

58004182

Jacka, Tim H. (**Antarctic CRC, Hobart, Tasmania, Australia**); Sonoghue, Shavawn; Li, Jun; Budd, William F. and Anderson, Ross M. Laboratory studies of the flow rates of debris-laden ice: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 108-112, illus. incl. 1 table, 30 ref., 2003. *Meeting*: Aug. 25-30, 2002, Chamonix, France.

58004185

Voigt, Donald E. (**Pennsylvania State University, Department of Geosciences, University Park, PA**); Alley, Richard B.; Anandakrishnan, Sridhar and Spencer, Matthew K. Ice-core insights into the flow and shut-down of Ice Stream C, West Antarctica: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 123-128, illus. incl. sketch map, 26 ref., 2003. *Meeting*: Aug. 25-30, 2002, Chamonix, France.

58004186

Schmidt, Karen Guldbæk (**University of Copenhagen, Center for Planetary Science, Copenhagen, Denmark**) and Dahl-Jensen, Dorthe. An ice crystal model for Jupiter's moon Europa: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 129-133, illus. incl. 1 table, 21 ref., 2003. *Meeting*: Aug. 25-30, 2002, Chamonix, France.

58004187

Pohjola, Veijo A. (Uppsala University, Department of Earth Sciences, Uppsala, Sweden) and Hedfors, Jim.

Studying the effects of strain heating on glacial flow within outlet glaciers from the Heimefrontfjella Range, Dronning Maud Land, Antarctica: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 134-142, illus. incl. 4 tables, sketch map, 32 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004189

Rybak, Oleg (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany) and Huybrechts, Philippe.

A comparison of Eulerian and Lagrangian methods for dating in numerical ice-sheet models: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 150-158, illus. incl. 1 table, 16 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004190

Paschke, Birgit (University of Münster, Institute for Geophysics, Munster, Federal Republic of Germany) and Lange, Manfred A.

Dynamics and mass balance of the ice-sheet/ice-shelf regime at Nivlisen, Antarctica, as derived from a coupled three-dimensional numerical flow model: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 159-165, illus. incl. 1 table, sects., sketch map, 22 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004191

Saito, Fuyuki (University of Tokyo, Centre for Climate System Research, Tokyo, Japan); Abe-Ouchi, Ayako and Blatter, Heinz.

Effects of first-order stress gradients in an ice sheet evaluated by a three-dimensional thermochemical coupled model: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 166-172, illus., 26 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004195

Sinisalo, Anna (University of Lapland, Arctic Centre, Rovaniemi, Finland); Grinsted, Aslak; Moore, John C.; Karkas, Eija and Pettersson, Rickard.

Snow-accumulation studies in Antarctica with ground-penetrating radar using 50, 100 and 800 MHz antenna frequencies: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 194-198, illus. incl. 2 tables, sketch map, 11 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004198

Sinisalo, Anna (University of Lapland, Arctic Centre, Rovaniemi, Finland); Moore, John C.; van de Wal, Roderik S. W.; Bintanja, Richard and Jonsson, Stig.

A 14 year mass-balance record of a blue-ice area in Antarctica: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 213-218, illus. incl. 1 table, sketch map, 16 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004200

Winebrenner, Dale P. (University of Washington, Applied Physics Laboratory, Seattle, WA); Smith, Benjamin E.; Catania, Ginny A.; Conway, Howard B. and Raymond, Charles F.

Radio-frequency attenuation beneath Siple Dome, West Antarctica, from wide-angle and profiling radar observations: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 226-232, illus., 21 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004202

Bougamont, Marion (University of California at Santa Cruz, Department of East Sciences, Santa Cruz, CA); Tulaczyk, Slawek and Joughin, Ian.

Numerical investigations of the slow-down of Whillans Ice Stream, West Antarctica; is it shutting down like Ice Stream C?: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 239-246, illus. incl. 3 tables, sketch map, 33 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France. NSF Grants OPP-9873593 and OPP-0096302.

58004203

Staroszczyk, Ryszard (University of East Anglia, School of Mathematics, Norwich, United Kingdom).

Plane ice-sheet flow with evolving and recrystallizing fabric: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 247-251, illus., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004204

Rémy, Frédérique (Laboratoire d'Études en Géophysique et Océanographie Spatiale, Toulouse, France); Testut, Laurent; Legrésy, Benoît; Forieri, Alessandro; Bianchi, Cesido and Tabacco, Ignazio E.

Lakes and subglacial hydrological networks around Dome C, East Antarctica: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 252-256, illus. incl. sketch map, 11 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004205

Sleewaegen, Suzanne (Université Libre de Bruxelles, Département des Sciences de la Terre et de l'Environnement, Brussels, Belgium); Samyn, Denis; Fitzsimons, Sean J. and Lorrain, Reginal D.

Equifinality of basal ice facies from an Antarctic cold-based glacier: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 257-262, illus. incl. 1 table, sketch map, 21 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004213

Fujita, Shuji (Hokkaido University, Department of Applied Physics, Sapporo, Japan); Matsuoka, Kenichi; Maeno, Hideo and Furukawa, Teruo.

Scattering VHF radio waves from within an ice sheet containing the vertical-girdle-type ice fabric and anisotropic reflection boundaries: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 305-316, illus. incl. 1 table, sketch maps, 36 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004214

Benjumea, Beatriz (Campus Universitario de Cartuja, Instituto Andaluz de Geofísica, Granada, Spain); Macheret, Yury Ya.; Navarro, Francisco J. and Teixidó, Teresa.

Estimation of water content in a temperate glacier from radar and seismic sounding data: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 317-324, illus. incl. sketch map, 33 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004217

Testut, Laurent (Laboratoire d'Études en Géophysique et Océanographie Spatiale, Toulouse, France); Hurd, Rachael; Coleman, Richard; Rémy, Frédérique and Legrésy, Benoît.

Comparison between computed balance velocities and GPS measurements in the Lambert Glacier basin, East Antarctica: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 337-343, illus., 22 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004218

Eisen, Olaf (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Wilhelms, Frank; Nixdorf, Uwe and Miller, Heinrich.

Identifying isochrones in GPR profiles from DEP-based forward modeling: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 344-350, illus., 26 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004220

Carsey, Frank D. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA); Mogensen, Claus T.; Behar, Alberto; Engelhardt, Hermann and Lane, Arthur L.

Science goals for a Mars polar-cap subsurface mission; optical approaches for investigations of inclusions in ice: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 357-362, illus., 21 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004222

Pettit, Erin C. (University of Washington, Department of Earth and Space Sciences, Seattle, WA); Jacobson, H. Paul and Waddington, Edwin D.

Effects of basal sliding on isochrones and flow near an ice divide: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 370-376, illus. incl. 1 table, 24 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France. NSF Grants OPP-9615417 and OPP-9726113.

58004223

Siegert, Martin J. (University of Bristol, Centre for Polar Observation and Modelling, Bristol, United Kingdom); Payne, Antony J. and Jougin, Ian.

Spatial stability of Ice Stream D and its tributaries, West Antarctica, revealed by radio-echo sounding and interferometry: *in* Papers from the International symposium on Physical and mechanical processes in ice in relation to glacier and ice-sheet modelling (Duval, Paul, editor; *et al.*), **Annals of Glaciology**, 37, p. 377-382, illus. incl. sketch map, 20 ref., 2003. *Meeting:* Aug. 25-30, 2002, Chamonix, France.

58004255

Berbenets, E. D., editor.

Problemy geologii i osvloeniia nedr; trudy shestogo mezhdunarodnogo nauchnogo simposiuma im. akademika M. A. Usova studentov, aspirantov i molodykh uchenykh, posvyachennogo 100-letiiu so dnya rozhdeniya zasluzhennogo deiatelya nauki RSFSR L. L. Khalfina i 30-letiia provedeniia molodezhnykh nauchnykh konferentsii im. akademika M. A. Usova [Problems of geology and mineral exploration; proceedings of the 6th international scientific symposia of students, postgraduates and young scientists named for Academician M. A. Usov devoted to the centenary from the birthday of L. L. Khalfin, honored worker of the Russian Federation Science and to the 30th anniversary of the youth scientific conferences conduction for Academician M. A. Usov]: Tomskii Politekhnicheskii Universitet, Tomsk, Russian Federation, 699 p., illus., 2002. ISBN: 5-89503-150-1. *Meeting:* April 1-5, 2002, Tomsk, Russian Federation. Individual abstracts are cited separately.

58004472

Zwolinski, Zbigniew (Uniwersytet Adama Mickiewicza, Poznan, Poland).

Krazenie materii mineralnej w geoekosystemach ladowych Wyspy Jerzego, Antarktyka [The circulation of mineral matter within the ice-free geoecosystems of King George Island, Antarctica]: Wydawnictwo Uniwersytetu Marii Curie-Sklodowskiej, Lublin, Poland, p. 205-207 (English sum.), 3 ref., 1998. *Meeting:* IV zjazd geomorfologow polskich; rzezba, paleogeografia czwartorzedu oraz problemy zmian srodowiska obszarow polarnych; sesja polarna, June 3-6, 1998, Lublin, Poland.

58004505

Walsh, Michael J. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Remote sensing: Rep. No. EM-1110-2-2907, variously paginated, illus. incl. 12 tables, October 1, 2003. Available from: U. S. Army Corps of Engineers, Washington, DC, United States. Includes 9 appendices. CRREL Report No: ERDC/CRREL MP-00-6141

58004741

Morris, Michael Paul (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

A digital image processing system for the characterization of frazil ice: 86 p., illus. incl. 5 tables, 27 ref., Master's, 2003, University of Manitoba, Winnipeg, MB, Canada. ISBN: 0-612-79990-5 microfiche Available from: University Microforms, Ann Arbor, MI, United States. CRREL Report No: ERDC/CRREL MP-04-6267

58004742

Hayes, Daniel Reiner (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

The heat and salt balances of the upper ocean beneath a spatially variable melting sea ice cover: 148 p., illus. incl. 2 tables, 67 ref., Doctoral, 2003, University of Washington, Seattle, WA. microfiche Available from: University Microforms, Ann Arbor, MI, United States. Includes appendix. CRREL Report No: ERDC/CRREL MP-04-6265

58004743

Karunaratne, Kumari C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

N-factors and the relations between air and surface temperature in discontinuous permafrost near Mayo, Yukon Territory: 146 p., illus. incl. 23 tables, sketch maps, 66 ref., Master's, January 2003, Carleton University, Ottawa, ON, Canada. ISBN: 0-612-79813-5 microfiche *Available from:* University Microforms, Ann Arbor, MI, United States. CRREL Report No: ERDC/CRREL MP-04-6266

58004871

Menoes, Michael Charles.

Estimating the spatial and temporal distribution of snow water equivalent within a watershed: 530 p., Doctoral, 2003, University of Maryland, College Park, MD. *Available from:* Univ. Microfilms.

58004872

Kenneally, James Patrick.

Crevassing and calving of glacial ice: 130 p., illus. incl. 5 tables, 82 ref., Doctoral, August 2003, University of Maine. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

58004987

Lichvar, Robert W. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Ericsson, Michael.

Map series of aquatic resources for San Jacinto and portions of the Santa Margarita watersheds: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-10, 513 p., illus. incl. 1 table, sketch maps, May 2003. *Available from:* National Technical Information Service, Springfield, VA, United States.

58005002

Wilson, D. Keith (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Ostashev, Vladimir E.; Goedeckie, George H. and Auvermann, Harry J.
Quasi-wavelet calculations of sound scattering behind barriers: **Applied Acoustics**, 65(6), p. 605-627, illus., 24 ref., 2004. CRREL Report No: ERDC/CRREL MP-04-6233

58005003

Andreas, Edgar L. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Jordan, Rachel E.; Guest, Peter S.; Persson, P. Ola; Grachev, Andrey A. and Fairall, Christopher W.

Roughness lengths over snow: *in* 18th conference on Hydrology of the American Meteorological Society, **Conference on Hydrology - Preprints**, 18, 8 p., illus. incl. 1 table, 30 ref., 2004. *Meeting:* Jan. 11-15, 2004, Seattle, WA. CRREL Report No: ERDC/CRREL MP-04-6234

58005004

Ostashev, Vladimir E. (NOAA, Environmental Technology Laboratory, Boulder, CO) and Wilson, Keith D.

Coherence function and mean field of plane and spherical sound waves propagating through inhomogeneous anisotropic turbulence: **Journal of the Acoustical Society of America**, 115(2), p. 497-506, illus., 24 ref., February 2004. Includes 2 appendices. CRREL Report No: ERDC/CRREL MP-04-6235

58005006

Dunhill, G., compiler (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO); Andrews, J. T., compiler; Kristjansdottir, G. B., compiler; Castaneda, I. S.; Hagen, S.; James, E.; Vorren, T.; Briner, J. P.; Cooper, T. A.; Hald, M.; Jennings, A. E.; Principato, S.; Weiner, N.; Barber, D. C.; Hall, F. R.; Koc, N.; Smith, L. M. and Williams, K.

Radiocarbon date List X; Baffin Bay, Baffin Island, Iceland, Labrador Sea, and the northern North Atlantic: **Occasional Paper - Colorado University, Institute of Arctic and Alpine Research**, 56, 77 p., 33 ref., 2004. Includes 3 appendices.

58005007

Ferguson, Sue A. and LaChapelle, Edward R.

The ABCs of avalanche safety: *in the collection* Mountaineers outdoor expert series. , 3rd edition, Mountaineers Books, Seattle, WA, 141 p., illus., 24 ref., 2003. ISBN: 0-89886-885-8. Includes 3 appendices; first edition 1961, second edition 1985.

58005008

Wohlforth, Charles.

The whale and the supercomputer; on the northern front of climate change: North Point Press, New York, NY, 322 p., illus. incl. sketch maps, 2004. ISBN: 0-86547-659-4.

58005009

Wilson, D. Keith (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Moran, Mark L.; Liu, Lanbo; Ostashev, Vladimir E.; Aldridge, David F.; Symons, Neill P. and Marlin, David H.

Development of a high-fidelity simulation capability for battlefield acoustics: *in* SPIE's 17th annual international symposium on Aerospace/defense sensing, simulation, and controls; AeroSense 2003; proceedings (Carapezza, Edward M., chairperson), **Annual International Symposium on Aerospace/Defense Sensing, Simulation, and Controls - AeroSense...**, 17, unpaginated, illus., 15 ref., 2003. Meeting: April 21-25, 2003, Orlando, FL. CRREL Report No: ERDC/CRREL MP-04-6236

58005010

Jacobi, Hans-Werner (University of Arizona, Department of Hydrology and Water Resources, Tucson, AZ); Bales, Roger C.; Honrath, Richard E.; Peterson, Matthew C.; Dibb, Jack E.; Swanson, Aaron L. and Albert, Mary R.

Reactive trace gases measured in the interstitial air of surface snow at Summit, Greenland: **Atmospheric Environment (1994)**, 38(12), p. 1687-1697, illus. incl. 1 table, 42 ref., April 2004. NSF Grants OPP-9813311, OPP-9813442, OPP-9910303 and OPP-9907330. CRREL Report No: ERDC/CRREL MP-04-6237

58005011

Douglas, Thomas A. (U. S. Army Cold Regions Research and Engineering Laboratory, Fort Wainwright, AK) and Sturm, Matthew.

Arctic haze, mercury and the chemical composition of snow across northwestern Alaska: **Atmospheric Environment (1994)**, 38(6), p. 805-820, illus. incl. 3 tables, sketch map, 56 ref., February 2004. Includes appendix. CRREL Report No: ERDC/CRREL MP-04-6238

58005012

Guo Jinghua (Beijing Normal University, Center for Atmospheric Environmental Study, Beijing, China); Rahn, Kenneth A. and Zhuang, Guoshun.

A mechanism for the increase of pollution elements in dust storms in Beijing: **Atmospheric Environment** (1994), 38(6), p. 855-862, illus., February 2004.

58005013

Ito, Masayoshi (University of Auckland, School of Geography and Environmental Science, Auckland, New Zealand) and Shooter, David.

Seasonal variations in the atmospheric concentration of non-filterable metals (NFM) and possible emission sources: **Atmospheric Environment** (1994), 38(6), p. 899-907, illus., February 2004.

58005014

Guo, Z. G. (Hong Kong University of Science and Technology, Institute for Environment and Sustainable Development, Hong Kong, China); Feng, J. L.; Fang Ming; Chen, H. Y. and Lau, K. H.

The elemental and organic characteristics of PM2.5 in Asian dust episodes in Qingdao, China, 2002: **Atmospheric Environment** (1994), 38(6), p. 909-919, illus., February 2004.

58005015

Skolnik, Jonathan (Jack Faucett Associates, Bethesda, MD); Holleyman, Chris D. and Schwochert, John, investigators.

Arctic economic impact model for petroleum activities in Alaska (Arctic IMPAK): **OCS Report - MMS**, Rep. No. MMS 2002-066, 191 p. 1 disc, illus., December 2002. compact disc *Available from:* National Technical Information Service (NTIS), Springfield, VA, United States. (Technical Report). Final report; includes 2 appendices.

58005016

Skolnik, Jonathan (Jack Faucett Associates, Bethesda, MD); Holleyman, Chris D. and Schwochert, John, investigators.

Sub-Arctic economic impact model for petroleum activities in Alaska (Sub-Arctic IMPAK): **OCS Report - MMS**, Rep. No. MMS 2002-060, 101 p. 1 disc, illus., March 2002. compact disc *Available from:* National Technical Information Service, Springfield, VA, United States. (Technical Report). Final report.

58005019

Mulherin, N. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Laboratory ice adhesion test results for commercial icephobic coatings: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-15, unpaginated, May 2004.

58005020

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Groundwater sampling report: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-14, unpaginated, July 3, 2002.

58005021

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Contaminant source area treatment status and sample data: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-13, unpaginated, September 17, 2002.

58005083

U. S. Department of the Interior, Bureau of Land Management and U. S. Department of the Interior, Minerals Management Service.

Northwest National Petroleum Reserve, Alaska; integrated activity plan/environmental impact statement; record of decision: Rep. No. BLM/AK/PL-04/008+3130+931, 28 p. 1 disc, illus.; land use map, 1:100,000, 102 ref., January 2004. Available from: U. S. Department of the Interior, Bureau of Land Management, United States. Includes CD-ROM and 3 appendices.

58005084

Easterbrook, Don J., editor (Western Washington University, Department of Geology, Bellingham, WA).

Quaternary geology of the United States; INQUA 2003 field guide volume: Desert Research Institute, Reno, NV, 438 p., illus. incl. tables, sects., strat. cols., geol. sketch maps, 2003. ISBN: 9-459-20504-6. Individual papers are cited separately; 16th INQUA Congress; Reno, NV; July 23-30, 2003.

58005085

Muhs, Daniel R. (U. S. Geological Survey, Denver, CO); Prentice, Carol S. and Merritts, Dorothy J.

Marine terraces, sea level history and Quaternary tectonics of the San Andreas Fault on the coast of California: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 1-18, illus. incl. geol. sketch map, 67 ref., 2003.

58005086

Easterbrook, Don J. (Western Washington University, Department of Geology, Bellingham, WA); Pierce, Kenneth L.; Gosse, John; Gillespie, Alan; Evenson, Ed and Hamblin, Ken.

Quaternary geology of the Western United States: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 19-79, illus. incl. sects., strat. cols., geol. sketch maps, 187 ref., 2003.

58005087

Dethier, David P. (Williams College, Department of Geosciences, Williamstown, MA); Benedict, James B.; Birkeland, Peter W.; Caine, Nel; Davis, P. Thompson; Madole, Richard F.; Patterson, Penny E.; Price, Alan B.; Schildgen, Taylor F. and Shroba, Ralph R.

Quaternary stratigraphy, geomorphology, soils, and alpine archaeology in an alpine-to-plains transect, Colorado Front Range: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 81-104, illus. incl. 3 tables, geol. sketch maps, 81 ref., 2003.

58005088

Eppes, M. C. (University of North Carolina, Charlotte, NC); McDonald, E. V. and McFadden, L. D.

Soil geomorphological studies in the Mojave Desert; impacts of Quaternary tectonics, climate, and rock type on soils, landscapes, and plant-community ecology: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 105-122, illus. incl. 1 table, strat. cols., geol. sketch maps, 43 ref., 2003.

58005089

Gaylord, David R. (Washington State University, Department of Geology, Pullman, WA); Busacca, Alan J. and Sweeney, Mark R.

The Palouse Loess and the Channeled Scabland; a paired ice-age geologic system: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 123-134, illus. incl. sect., strat. cols., geol. sketch maps, 83 ref., 2003.

58005090

Patterson, Carrie J. (Minnesota Geological Survey, Saint Paul, MN); Hansel, A. K.; Mickelson, D. M.; Quade, D. J.; Bettis, E. A., III; Colgan, P. M.; McKay, E. D. and Stumpf, A. J.

Contrasting glacial landscapes created by ice lobes of the southern Laurentide ice sheet: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 135-153, illus. incl. strat. cols., geol. sketch map, 96 ref., 2003.

58005091

Reheis, Marith C. (U. S. Geological Survey, Denver, CO); Redwine, Joanna; Adams, Kenneth; Stine, Scott; Parker, Kathy; Negrini, Rob; Burke, Raymond; Kurth, Gabrielle; McGeehin, John P.; Paces, James B.; Phillips, Fred; Sarna-Wojcicki, Andrei M. and Smoot, Joseph P.

Pliocene to Holocene lakes in the western Great Basin; new perspectives on paleoclimate, landscape dynamics, tectonics, and paleodistribution of aquatic species: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 155-194, illus. incl. 5 tables, strat. cols., geol. sketch maps, 77 ref., 2003.

58005092

Bettis, E. Arthur, III (University of Iowa, Department of Geoscience, Iowa City, IA); Mason, Joseph P.; Swinehart, James B.; Miao, Xiaodong; Hanson, Paul R.; Goble, Ronald J.; Loope, David B.; Jacobs, Peter M. and Roberts, Helen M.

Cenozoic eolian sedimentary systems of the USA Midcontinent: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 195-218, illus. incl. 1 table, sects., strat. cols., geol. sketch maps, 76 ref., 2003.

58005093

Braun, Duane D. (Bloomsburg University, Department of Geography and Geosciences, Bloomsburg, PA); Pazzaglia, Frank J. and Potter, Noel, Jr.

Margin of Laurentide Ice to the Atlantic Coastal Plain; Miocene-Pleistocene landscape evolution in the Central Appalachians: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 219-244, illus. incl. strat. cols., sects., geol. sketch maps, 94 ref., 2003.

58005094

Larson, Grahame J. (Michigan State University, Department of Geological Sciences, East Lansing, MI); Evenson, Edward B.; Lawson, Daniel E.; Ensminger, Staci L.; Baker, Greg and Alley, Richard B.

Glacial geology of upper Cook Inlet, Matanuska Glacier and Denali Highway, Alaska: *in Quaternary geology of the United States; INQUA 2003 field guide volume* (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 245-264, illus. incl. 1 table, sect., geol. sketch maps, 49 ref., 2003. CRREL Report No: ERDC/CRREL MP-04-6240

58005095

Easterbrook, Don J. (Western Washington University, Department of Geology, Bellingham, WA).

Cordilleran ice sheet glaciation of the Puget Lowland and Columbia Plateau and alpine glaciation of the north Cascade Range, Washington: *in Quaternary geology of the United States; INQUA 2003 field guide volume* (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 265-286, illus. incl. sects., strat. cols., sketch maps, 73 ref., 2003.

58005096

Clark, Doug (Western Washington University, Department of Geology, Bellingham, WA); Gillespie, Alan R.; Clark, Malcolm M. and Burke, Bud.

Mountain glaciations of the Sierra Nevada: *in Quaternary geology of the United States; INQUA 2003 field guide volume* (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 287-311, illus. incl. 1 table, geol. sketch maps, 59 ref., 2003.

58005097

Pierce, Kenneth L. (U. S. Geological Survey, Bozeman, MT); Despain, Don G.; Whitlock, Cathy; Cannon, Kenneth P.; Meyer, Grant; Morgan, Lisa A. and Licciardi, Joe M.

Quaternary geology and ecology of the greater Yellowstone area: *in Quaternary geology of the United States; INQUA 2003 field guide volume* (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 313-344, illus. incl. strat. col., sketch maps, 72 ref., 2003.

58005098

Dahms, D. E. (University of Northern Iowa, Department of Geography, Cedar Falls, IA); Hall, R. D.; Shroba, R. R.; Sorenson, C. J.; Lynch, E. A. and Applegarth, M. T.

The Rocky Mountain glacial model; the Wind River Range, Wyoming: *in Quaternary geology of the United States; INQUA 2003 field guide volume* (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 345-364, illus. incl. 6 tables, sects., sketch maps, 64 ref., 2003.

58005099

Davis, P. T. (Bentley College, Department of Natural Sciences, Waltham, MA); Bierman, P. R.; Brigham-Grette, J.; Fitzgerald, D. M.; Fowler, B. K.; Retelle, M. J.; Ridge, J. C.; Thompson, W. B. and Weddle, T. K.

Quaternary and geomorphic processes and landforms along a traverse across northern New England: *in Quaternary geology of the United States; INQUA 2003 field guide volume* (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 365-398, illus. incl. geol. sketch map, 185 ref., 2003.

58005100

Schulz, Marjorie S. (U. S. Geological Survey, Menlo Park, CA); **Harden, Jennifer W.**; **Weber, Gerald E.**; **Anderson, Suzanne**, leader; **White, Art F.**, leader; **Perg, Lesley**, leader; **Stonestrom, Dave A.**, leader; **Reimer, Paula**, leader and **Masiello, Carrie**, leader.
Geo-ubiquity; chemical, hydrological and physical evolution of coastal terraces near Santa Cruz, California: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 399-406, illus. incl. 1 table, sketch map, 24 ref., 2003.

58005101

Pederson, Joel L. (Utah State University, Department of Geology, Logan, UT); **Schmidt, John C.** and **Anders, Matt D.**

Pleistocene and Holocene geomorphology of Marble and Grand Canyons, canyon cutting to adaptive management: *in* Quaternary geology of the United States; INQUA 2003 field guide volume (Easterbrook, Don J., editor), Desert Research Institute, Reno, NV, p. 407-438, illus. incl. 1 table, sects., sketch maps, 110 ref., 2003.

58005104

Kjollmoen, Bjarne, editor.

Glaciological investigations in Norway in 2002: **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, 92 p. (Norwegian sum.), illus. incl. tables, sketch maps, 10 ref., December 2003. ISBN: 82-410-0489-3. Individual papers are cited separately; includes appendix.

58005105

Kjollmoen, Bjarne.

Alfotbreen: *in* Glaciological investigations in Norway in 2002 (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 13-19, illus. incl. 1 table, sketch map, December 2003.

58005106

Kjollmoen, Bjarne.

Nigardsbreen: *in* Glaciological investigations in Norway in 2002 (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 20-26, illus. incl. 1 table, sketch map, December 2003.

58005107

Elvehoy, Hallgeir.

Austdalsbreen: *in* Glaciological investigations in Norway in 2002 (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 27-35, illus. incl. 1 table, sketch map, December 2003.

58005108

Elvehoy, Hallgeir.

Hardangerjokulen: *in* Glaciological investigations in Norway in 2002 (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 36-39, illus. incl. 1 table, sketch map, December 2003.

58005109

Andreassen, Liss M. and Hoivik, Laila P.

Storbreen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 40-44, illus. incl. 1 table, sketch maps, December 2003.

58005110

Andreassen, Liss M. and Hoivik, Laila P.

Hellstugubreen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 45-48, illus. incl. 1 table, sketch map, December 2003.

58005111

Andreassen, Liss M. and Hoivik, Laila P.

Grasabreen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 49-52, illus. incl. 1 table, sketch map, December 2003.

58005112

Elvehoy, Hallgeir.

Svartisheibreen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 53-56, illus. incl. 1 table, sketch map, December 2003.

58005113

Elvehoy, Hallgeir.

Engabreen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 57-66, illus. incl. 1 table, sketch map, December 2003.

58005114

Elvehoy, Hallgeir.

Storglombreen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 67-73, illus. incl. 1 table, sketch map, December 2003.

58005115

Engeset, Rune V.

Rundvassbreen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 74-80, illus. incl. 1 table, sketch map, December 2003.

58005116

Kjollmoen, Bjarne.

Langfjordjokelen: *in Glaciological investigations in Norway in 2002* (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 81-85, illus. incl. 1 table, sketch map, December 2003.

58005117

Andreassen, Liss M. and Jackson, Miriam.

Glacier monitoring: *in* Glaciological investigations in Norway in 2002 (Kjollmoen, Bjarne, editor), **Report - Norwegian Water Resources and Energy Directorate**, Rep. No. 3, p. 86-92, illus. incl. 1 table, sketch map, December 2003.

58005120

Kondratyev, Kirill Ya. (Russian Academy of Sciences, Scientific Research Centre for Ecological Safety, Russian Federation).

Arctic atmosphere: *in* Arctic environment variability in the context of global change (Bobylev, Leonid P., editor; *et al.*), *in the collection* Springer-Praxis books in environmental sciences (Mason, John, editor). Springer, Berlin, Federal Republic of Germany, Praxis Publishing, Chichester, United Kingdom, p. 17-106, illus. incl. 19 tables, 2003.

58005221

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Contaminant source area treatment status and sample data: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-12, unpaginated, March 20, 2003.

58005222

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Investigation of fuel contamination using laser-induced fluorescence probing technology: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-11, unpaginated, March 2004.

58005223

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

TCE source area treatment progress report: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-10, unpaginated, March 28, 2000.

58005224

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Contaminant source area treatment status and sample data: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-06, unpaginated, August 24, 2001.

58005225

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Groundwater sampling report: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-07, unpaginated, November 21, 2001.

58005226

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Contaminant source area treatment status and sample data: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-08, unpaginated, March 31, 2004.

58005227

McKay, Daniel (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Contaminant source area treatment status and sample data: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-09, unpaginated, April 3, 2002.

58005228

Dick, Lyle (Parks Canada, Western Canada Service Centre, Vancouver, BC, Canada).

Muskox Land; Ellesmere Island in the age of contact: **Parks and Heritage Series**, 5, 615 p., illus. incl. sketch maps, 540 ref., 2001. ISBN: 1-55238-050-5.

58005242

Domack, Eugene (Hamilton College, Department of Geology, Clinton, NY); Leventer, Amy; Burnett, Adam; Bindschadler, Robert; Convey, Peter and Kirby, Matthew, editors.

Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives: **Antarctic Research Series**, 79, 260 p., illus. incl. sketch maps, 2003. ISBN: 0-87590-973-6. Individual papers within scope are cited separately.

publisher: <http://www.agu.org>

58005243

Domack, Eugene W. (Hamilton College Clinton, Department of Geology, New York, NY); Burnett, Adam and Leventer, Amy.

Environmental setting of the Antarctic Peninsula: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 1-13, illus. incl. sect., geol. sketch maps, 90 ref., 2003.

58005244

King, J. C. (British Antarctic Survey, Cambridge, United Kingdom); Turner, J.; Marshall, G. J.; Connolley, W. M. and Lachlan-Cope, T. A.

Antarctic Peninsula climate variability and its causes as revealed by analysis of instrumental records: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 17-30, illus. incl. 3 tables, sketch maps, 32 ref., 2003.

58005245

Simmonds, Ian (University of Melbourne, School of Earth Sciences, Melbourne, Victoria, Australia).

Regional and large-scale influences on Antarctic Peninsula climate: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 31-42, illus. incl. sketch maps, 76 ref., 2003.

58005246

van den Broeke, Michiel R. (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands) and van Lipzig, Nicole P. M.

Response of wintertime Antarctic temperatures to the Antarctic Oscillation; results of a regional climate model: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 43-58, illus. incl. sketch maps, 32 ref., 2003.

58005247

Morris, Elizabeth M. (British Antarctic Survey, Cambridge, United Kingdom) and Vaughan, David G.

Spatial and temporal variation of surface temperature on the Antarctic Peninsula and the limit of viability of ice shelves: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 61-68, illus. incl. 4 tables, sketch maps, 20 ref., 2003.

58005248

Skvarca, Pedro (Instituto Antártico Argentino, División Glaciología, Buenos Aires, Argentina) and de Angelis, Hernán.

Impact assessment of regional climatic warming on glaciers and ice shelves of northeastern Antarctic Peninsula: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 69-78, illus. incl. 1 table, sketch map, 23 ref., 2003.

58005249

Scambos, Ted A. (University of Colorado, National Snow and Ice Data Center, Boulder, CO); Hulbe, Christina L. and Fahnestock, Mark A.

Climate-induced ice shelf disintegration in the Antarctic Peninsula: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 79-92, illus. incl. sketch maps, 44 ref., 2003. NSF Grant OPP-0125754.

58005250

Hjort, Christian (Lund University, Quaternary Geology, Lund, Sweden); Ingolfsson, Olafur; Bentley, Michael J. and Bjorck, Svante.

The late Pleistocene and Holocene glacial and climate history of the Antarctic Peninsula region as documented by the land and lake sediment records; a review: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 95-102, illus. incl. sketch map, 64 ref., 2003.

58005251

Hall, Brenda L. (University of Maine, Department of Geological Sciences, Orono, ME).

An overview of late Pleistocene glaciation in the South Shetland Islands: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 103-113, illus. incl. 1 table, geol. sketch maps, 37 ref., 2003.

58005252

Mosley-Thompson, Ellen (Ohio State University, Department of Geography, Columbus, OH) and Thompson, Lonnie G.

Ice core paleoclimate histories from the Antarctic Peninsula; where do we go from here?: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 115-127, illus. incl. sketch map, 54 ref., 2003.

58005253

Smith, Raymond C. (University of California at Santa Barbara, ICESS, Santa Barbara, CA); **Fraser, William R.**; **Stammerjohn, Sharon E.** and **Vernet, Maria**.

Palmer long-term ecological research on the Antarctic marine ecosystem: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 131-144, illus. incl. sketch map, 72 ref., 2003.

58005254

Quayle, Wendy C. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); **Convey, Peter**; **Peck, Lloyd S.**; **Ellis-Evans, Cynan J.**; **Butler, Helen G.** and **Peat, Helen J.**

Ecological responses of maritime Antarctic lakes to regional climate change: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 159-170, illus. incl. sketch map, 61 ref., 2003.

58005255

Willmott, Verónica (University of Barcelona, Department of Stratigraphy, Paleontology and Marine Geosciences, Barcelona, Spain); **Canals, Miquel** and **Casamor, José L.**

Retreat history of the Gerlache-Boyd ice stream, northern Antarctic Peninsula; an ultra-high resolution acoustic study of the deglacial and post-glacial sediment drape: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 183-194, illus. incl. sketch map, 42 ref., 2003.

58005256

Gilbert, Robert (Queen's University, Department of Geography, Kingston, ON, Canada); **Domack, Eugene W.** and **Camerlenghi, Angelo**.

Deglacial history of the Greenpeace Trough; ice sheet to ice shelf transition in the northwestern Weddell Sea: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 195-204, illus. incl. sketch map, 46 ref., 2003.

58005257

Domack, Eugene W. (Hamilton College, Geology Department, Clinton, NY); **Leventer, Amy**; **Root, Stephanie**; **Ring, Jim**; **Williams, Eric**; **Carlson, David**; **Hirshorn, Emily**; **Wright, William**; **Gilbert, Robert** and **Burr, George**.

Marine sedimentary record of natural environmental variability and recent warming in the Antarctic Peninsula: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 205-224, illus. incl. 1 table, sketch map, 82 ref., 2003. NSF Grant OPP-9714371.

58005258

Yoon, Ho Il (Korea Ocean Research and Development Institute, Polar Sciences Laboratory, Seoul, South Korea); **Park, Byong-Kwon**; **Kim, Yeadong**; **Kang, Cheon Yun** and **Kang, Sung-Ho**.

Origins and paleoceanographic significance of layered diatom ooze interval from the Bransfield Strait in the northern Antarctic Peninsula around 2500 yrs BP: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 225-238, illus. incl. sketch map, 54 ref., 2003.

58005259

Ishman, Scott E. (Southern Illinois University, Department of Geology, Carbondale, IL) and Szymcek, Phillip.

Foraminiferal distributions in the former Larsen-A Ice Shelf and Prince Gustav Channel region, eastern Antarctic Peninsula margin; a baseline for Holocene paleoenvironmental change: *in* Antarctic Peninsula climate variability; historical and paleoenvironmental perspectives (Domack, Eugene, editor; *et al.*), **Antarctic Research Series**, 79, p. 239-260, illus. incl. 3 tables, sketch maps, 48 ref., 2003. NSF Grant OPP-0003633.

58005261

Stipa, Tapani (Finnish Institute of Marine Research, Helsinki, Finland).

Temperature as a passive isopycnal tracer in salty, spiceless oceans: **Geophysical Research Letters**, 29(20), 4 p., illus., 18 ref., January 15, 2002.

58005264

Ford, Glenn (Yukon Environment, Water Resources Branch, Whitehorse, YT, Canada) and Janowicz, Richard.

Yukon snow survey bulletin & water supply forecast; May 1, 2004: **Yukon Snow Survey Bulletin & Water Supply Forecast**, Rep. No. MAY 2004, 26 p., illus. incl. sketch map, May 1, 2004.

58005268

Rasch, Morten (University of Copenhagen, Institute of Geography, Copenhagen, Denmark).

Holocene relative sea level changes in Disko Bugt, West Greenland: **Journal of Coastal Research**, 16(2), p. 306-315, 54 ref., 2000.

58005269

Kirk, R. M. (University of Canterbury, Department of Geography, Christchurch, New Zealand); Komar, P. D.; Allan, J. C. and Stephenson, W. J.

Shoreline erosion on Lake Hawea, New Zealand, caused by high lake levels and storm-wave runup: **Journal of Coastal Research**, 16(2), p. 346-356, illus. incl. sketch map, 12 ref., 2000.

58005270

Yohe, Evelyn.

Vanishing ice: *in* Supporting Earth observing science 2003 (Schmidt, Laurie J., editor), p. 34-37, illus., 3 ref., 2003. Available from: National Snow and Ice Data Center, Boulder, CO, United States.

58005367

Walsh, Michael R. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Collins, Charles M.; Meeks, Michael T.; Lee, Alvin O. and Wahlgren, Eric G.

Use of military demolition explosives in a remediation project: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-21, 29 p., illus. incl. 5 tables, sketch maps, 27 ref., October 2003. Available from: National Technical Information Service, Springfield, VA, United States.

Accessed July 8, 2004.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR03-21.pdf

58005368

Boeckx, L. (University of Leuven, Department of Physics and Astronomy, Heverlee, Belgium); Jansens, G.; Lauriks, W. and Albert, D. G.

Modelling acoustic surface waves above a snow layer: **Acta Acustica United with Acustica**, 90, p. 246-250, illus. incl. 1 table, 14 ref., 2004. CRREL Report No: ERDC/CRREL MP-04-6251

58005369

Martel, Jim (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and McLeod, Malcolm.

Sludge sled; maintain wastewater lagoons with a sludge sled: 1 sheet, illus., September 1997.

Available from: Facilities Engineering Applications Program Information Center, Champaign, IL, United States. CRREL Report No: ERDC/CRREL MP-04-6252

58005370

Martel, Jim (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and McLeod, Malcolm.

Sludge freezing bed; treat sludge year-round in cold regions: 1 sheet, illus., January 1993. *Available from:* Facilities Engineering Applications Program Information Center, Champaign, IL, United States. CRREL Report No: ERDC/CRREL MP-04-6253

58005372

Obasi, G. O. P. (World Meteorological Organization, International) and Dowdeswell, E., prefacers.

Climate change 1995; impacts, adaptations, and mitigation; contribution of Working Group II to the second assessment report of the Intergovernmental Panel on Climate Change; summary for policymakers: United Nations, Intergovernmental Panel on Climate Change, International, World Meteorological Organization, United Nations Environment Programme, International, 22 p., illus. incl. 2 tables, 1995.

58005373

Coutermash, Barry (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Vehicle rolling resistance measurements in sand and snow: *in* Proceedings of the 9th European conference of the International Society for Terrain Vehicle Systems; The design, testing and development of off road vehicles, **Proceedings - International Society for Terrain-Vehicle Systems. European Conference**, 9, 14 p., illus. incl. 5 tables, 6 ref., 2003. *Meeting:* Sept. 8-11, 2003, Newport, United Kingdom. CRREL Report No: ERDC/CRREL MP-04-6254

58005374

Akinturk, Ayhan (National Research Council, Institute for Marine Dynamics, St. John's, NF, Canada); Jones, Stephen; Moores, Corwyn and Bell, John.

Measuring ice loading on podded propellers systems: *in* Proceedings of OMAE2003; 22nd conference on Offshore mechanics and Arctic engineering, **International Conference on Offshore Mechanics and Arctic Engineering**, 22, p. 795-799, illus. incl. 1 table, 15 ref., 2003. *Meeting:* June 8-13, 2003, Cancun, Mexico.

publisher: <http://www.asmeconferences.org/omae03/index.cfm>

58005376

Perttila, Matti, editor (Finnish Institute of Marine Research, Helsinki, Finland).

Contaminants in the Baltic Sea sediments; results of the 1993 ICES/HELCOM sediment baseline study: **Meri**, Rep. No. 50, 69 p., illus. incl. tables, sketch maps, 79 ref., 2003. ISBN: 951-53-2557-9. Individual papers within scope are cited separately.

58005377

Perttila, Matti (Finnish Institute of Marine Research, Helsinki, Finland); Jonsson, Per; Larsen, Birger; Niemisto, Lauri; Winterhalter, Boris and Axelsson, Walter.

The 1993 HELCOM/ICES Baltic Sea sediment baseline study; conduct of the study and conclusions: *in Contaminants in the Baltic Sea sediments; results of the 1993 ICES/HELCOM sediment baseline study* (Perttila, Matti, editor), **Meri**, Rep. No. 50, p. 9-20, illus. incl. 1 table, sketch map, 2003.

58005378

Uzcinowicz, Szymon (Polish Geological Institute, Branch of Marine Geology, Gdansk, Poland); Narkiewicz, Wanda and Sokowski, Krzysztof.

Mineralogical composition and granulometry: *in Contaminants in the Baltic Sea sediments; results of the 1993 ICES/HELCOM sediment baseline study* (Perttila, Matti, editor), **Meri**, Rep. No. 50, p. 21-24, 2003.

58005379

Albrecht, Horst (Bundesamt für Seeschiffahrt und Hydrographie, Hamburg, Federal Republic of Germany); Perttila, Matti and Leivuori, Mirja.

Distribution of trace metals in the Baltic Sea sediments: *in Contaminants in the Baltic Sea sediments; results of the 1993 ICES/HELCOM sediment baseline study* (Perttila, Matti, editor), **Meri**, Rep. No. 50, p. 25-39, illus., 2003.

58005380

Carman, Rolf (Stockholm University, Institution of Geology and Geochemistry, Stockholm, Sweden).

Carbon and nutrients: *in Contaminants in the Baltic Sea sediments; results of the 1993 ICES/HELCOM sediment baseline study* (Perttila, Matti, editor), **Meri**, Rep. No. 50, p. 40-44, illus., 2003.

58005381

Jonsson, Per (Uppsala University, Institute of Earth Sciences, Uppsala, Sweden) and Kankaanpaa, Harri.

Organic contaminants: *in Contaminants in the Baltic Sea sediments; results of the 1993 ICES/HELCOM sediment baseline study* (Perttila, Matti, editor), **Meri**, Rep. No. 50, p. 45-57, illus. incl. 1 table, 2003.

58005382

Jensen, Arne (Institute of Water Quality, Copenhagen, Denmark); Larsen, Birger; Jonsson, Per and Perttila, Matti.

Sediment age determination and sensitivity: *in Contaminants in the Baltic Sea sediments; results of the 1993 ICES/HELCOM sediment baseline study* (Perttila, Matti, editor), **Meri**, Rep. No. 50, p. 58-64, illus. incl. 4 tables, 2003.

58005423

Solomina, O. N. (Rossiiskoi Akademii Nauk, Institut Geografii, Moscow, Russian Federation).

Dinamika subpolyarnogo oledeneniya za dve tysyachi let po lichenometricheskim dannym [Dynamics of subpolar glaciation in last two thousand years based on lichenometry data]: **Materialy Glyatsiologicheskikh Issledovanii**, 94, p. 17-30 (English sum.), illus. incl. table, 76 ref., March 2003.

58005490

Williams, Christopher (U. S. Army Engineer Research and Development Center, Hanover, NH) and White, Kate.

Early warning flood stage monitoring equipment: **ERDC/CRREL Technical Note**, Rep. No. ERDC/CRREL-TN-03-2, 6 p., illus. incl. 1 table, sketch map, April 2003.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TN03-2.pdf

58005492

Bolin, Bert (Intergovernmental Panel on Climate Change, International); Houghton, John and Meira Filho, L. Gylvan, prefacers.

Climate change 1995; the science of climate change; summary for policymakers; technical summary of the Working Group I report: Cambridge University Press, Cambridge, United Kingdom, 55 p., illus. incl. 5 tables, 5 ref., 1996.

58005493

Thorne, Philip G. (Applied Research Associates, South Royalton, VT); Jenkins, Thomas F. and Brown, Michael K.

Continuous treatment of low levels of TNT and RDX in range soils using surface liming:

ERDC/CRREL Technical Report, Rep. No. ERDC/CRREL-TR-04-4, 18 p., illus. incl. 2 tables, 11 ref., February 2004. Available from: National Technical Information Service, Springfield, VA, United States. Accessed July 7, 2004; Includes appendix.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-4.pdf

58005494

Hains, Decker (Lehigh University, Lehigh, PA) and Zabilansky, Leonard J.

Laboratory test of scour under ice; data and preliminary results: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-9, 174 p., illus. incl. 13 tables, 10 ref., April 2004. Available from: National Information Technical Service, Springfield, VA, United States. Accessed July 8, 2004; Includes 3 appendices.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-9.pdf

58005563

Greenfield, Roy J. (Greenfield Associates, State College, PA); Moran, Mark L.; Fisk, David J.; Punt, Douglas A.; Fiori, John E.; Nagle, Joyce A.; Wilson, D. Keith and Anderson, Thomas S.

A fully fused seismic-acoustic UGS network for analysis of ground vehicle tracking performance in realistically complex environments: *in* Military sensing symposium on Battlefield acoustic and seismic sensing, Infrared Information Analysis Center, 15 p., illus., 2 ref., 2003. Meeting: Oct. 7-10, 2003, Laurel, MD. CRREL Report No: ERDC/CRREL MP-04-6259

58005565

Viereck, Leslie A. (U. S. Forest Service, Pacific Northwest Forest and Range Experiment Station, Fairbanks, AK) and Little, Elbert L., Jr.

Atlas of United State trees; Volume 2; Alaska trees and common shrubs: **Miscellaneous Publication - United States, Department of Agriculture**, 1293, 19 p., illus. incl. sketch maps, 114 ref., March 1975.

58005567

Orme, Antony R. (University of California at Los Angeles, Department of Geography, Los Angeles, CA).

Lake Thompson, Mojave Desert, California; a desiccating late Quaternary lake system: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-1, 53 p., illus. incl. 7 tables; geologic map, 33 ref., January 2004. *Available from:* National Technical Information Service, Springfield, VA, United States.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-1.pdf

58005568

Korhonen, Charles J. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Semen, Peter M. and Barna, Lynette A.

Extending the season for concrete construction and repair; Phase 1, Establishing the technology: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-2, 134 p., illus. incl. 16 tables, 50 ref., February 2004. *Available from:* National Technical Information Service, Springfield, VA, United States. Includes 4 appendices.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-2.pdf

58005569

Astley, Beth N. (U. S. Army Cold Regions Research and Engineering Laboratory, Fort Richardson, AK); Staples, Ann and Delaney, Allan J.

Knik Inlet water sampling, Anchorage, Alaska: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-04, 6 p., illus. incl. 1 table, sketch maps, May 2003.

58005570

Grant, Steven A. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Boitnott, Ginger E.

Laboratory determination of unfrozen water contents of soils from the site of an artificially frozen wall: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-02, 7 p., illus. incl. 8 tables, 7 ref., 2004.

58005573

Woolford, Julian (World Wildlife Fund, Norway).

Arctic warming says NASA: **WWF Arctic Bulletin**, 4.03, p. 7-8, illus. incl. sketch map, December 22, 2003.

58005574

Schwarz, J. (Hamburgische Schiffbau-Versuchsanstalt, Hamburg, Federal Republic of Germany); Wilkens, H. and Freitas, A.

Entwicklungsarbeiten an dem Thyssen-Waas Eisbrecherkonzept in Modell und Grossausführung [Developmental trials of the Thyssen-Waas icebreaker concept in models and at full scale]: **Jahrbuch der Schiffbautechnischen Gesellschaft**, 76, p. 517-532 (English sum.), illus. incl. sketch map, 8 ref., 1982.

58005575

Lu Yong-Jun (Northwestern Polytechnical University, Department of Applied Physics, Xi'an, China); Xie Wen-Jun and Wei Bing-Bo.

Rapid growth of ice dendrite in acoustically levitated and highly undercooled water: **Chinese Physics Letters**, 19(10), p. 1543-1546, illus., 18 ref., 2002.

58005577

Ryerson, Charles C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Melloh, Rae A. and Koenig, George G.

Methods of characterizing cloud drop spectra spatial variation: *in* 42nd aerospace sciences meeting & exhibit (Hartwich, P. M., chairperson), **Aerospace Sciences Meeting & Exhibit**, 42, 10 p., illus. incl. 1 table, 17 ref., January 2004. *Meeting*: Jan. 5-8, 2004, Reno, NV. CRREL Report No: ERDC/CRREL MP-04-6261

58005578

Koenig, George G. (U. S. Army Cold Regions Research Engineering Laboratory, Hanover, NH); Ryerson, Charles C.; Larsson, J. and Reehorst, Andrew.

Effect of variable LWC on ice shape in the NASA-GRC IRT: *in* 41st aerospace sciences meeting and exhibit, **Aerospace Sciences Meeting & Exhibit**, 41, 11 p., illus. incl. 3 tables, 19 ref., January 2003. *Meeting*: Jan. 6-9, 2003, Reno, NV. CRREL Report No: ERDC/CRREL MP-04-6262

58005579

Kennedy, C. E. (Yukon Department of Renewable Resources, Fish and Wildlife Branch, Whitehorse, YT, Canada); Smith, C. A. S. and Cooley, D. A.

Observations of change in the cover of Polargrass, Arctagrostis latifolia, and Arctic Lupine, Lupinus arcticus, in upland tundra on Herschel Island, Yukon Territory: **The Canadian Field Naturalist**, 115(2), p. 323-328, illus. incl. 3 tables, 10 ref., June 2001.

58005580

Nielsen, Cathy (Ontario Ministry of Natural Resources, Southcentral Science and Information, Kemptville, ON, Canada); Van Dyke, Olesia and Pedlar, John.

Effects of past management on ice storm damage in hardwood stands in eastern Ontario: **Forestry Chronicle**, 79(1), p. 70-74 (French sum.), illus. incl. 3 tables, 28 ref., February 2003.

58005581

Timmer, Vic R. (University of Toronto, Faculty of Forestry, Toronto, ON, Canada); Teng, Yuanxin and Pedlar, John.

Soil and leaf analysis of fertilized sugar maple stands after ice storm damage: **Forestry Chronicle**, 79(1), p. 99-105 (French sum.), illus. incl. 3 tables, 41 ref., February 2003.

58005582

Wyderski, Mary (U. S. Air Force Aeronautical Systems Center); Lozada-Ruiz, Alexei; Ryerson, Charles; Davila, James and Tarazano, Donald.

Evaluation of environmentally friendly, glycol-free mobile aircraft deicing system: *in* 33rd international conference on Environmental systems (ICES) (Rose, Susan, chairperson), **International Conference on Environmental Systems (ICES)**, 33, 10 p., illus. incl. 1 table, 6 ref., 2003. *Meeting*: July 7-10, 2003, Vancouver, BC, Canada. CRREL Report No: ERDC/CRREL MP-04-6263

58005584

Peck, Lindamae (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Morse, James S.

Technology for range security: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-04-03, unpaginated, September 2003.

58005585

Furman, Linnzi (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); White, Kate and Vuyovich, Carrie.

Ice jams, winter 2001-2002: **ERDC/CRREL Technical Note**, Rep. No. ERDC/CRREL-TN-03-1, 6 p., illus. incl. sketch maps, 17 ref., January 2003. (Ice engineering). http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TN03-1.pdf

58005589

McCammon, Ian.

Heuristic traps in recreational avalanche accidents; evidence and implications, Part 1: **The Avalanche Review**, 22(2), p. 1, 16-19, illus. incl. 2 tables, 22 ref., December 2003.

58005590

Conway, Jim.

Teton Gravity Research introductory avalanche safety efforts: **The Avalanche Review**, 22(2), p. 7, illus., December 2003.

58005591

Earp, Joni.

An avalanche report on Big Chief Mountain in the Seattle Creek drainage of the Chugach Mountain Range in Alaska; March 11, 2003: **The Avalanche Review**, 22(2), p. 11-12, illus., December 2003.

58005592

Dewalt, Sean (Snow Dynamics Avalanche Safety Programs, Girdwood, AK).

Avalanche accident summary Big Chief Avalanche, Seattle Creek, Turnagain Pass, Alaska March 11, 2003: **The Avalanche Review**, 22(2), p. 12, December 2003.

58005593

Roberts, Jerry.

Pisco dreams-Chile powder: **The Avalanche Review**, 22(2), p. 13-14, illus., December 2003.

58005594

Blagovechshenskiy, Viktor.

Avalanche hazard in Kazakhstan: **The Avalanche Review**, 22(2), p. 15-16, illus. incl. 1 table, 21 ref., December 2003.

58005595

Van Wyck, Neal E. (Applied Research Associates, New England Division, South Royalton, VT) and Thorne, Philip G.

Point-source energetics detection; initial sensor evaluation: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-10, 22 p., illus. incl. 4 tables, 2 ref., April 2004. *Available from:* National Technical Information Service, Springfield, VA, United States. Includes 2 appendices; accessed July 15, 2004.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-10.pdf

58005596

Diemand, Deborah (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Lever, James H.

Cold regions issues for off-road autonomous vehicles: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-6, 25 p., illus. incl. sketch maps, 25 ref., April 2004. *Available from:* National Technical Information Service, Springfield, VA, United States. Accessed July 15, 2004; includes 2 appendices.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-6.pdf

58005597

Walsh, Marianne E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Collins, Charles M.; Hewitt, Alan D.; Walsh, Michael R.; Jenkins, Thomas F.; Stark, Jeffrey; Gelvin, Arthur; Douglas, Thomas A.; Perron, Nancy; Lambert, Dennis; Bailey, Ronald and Myers, Karen.

Range characterization studies at Donnelly Training Area, Alaska; 2001 and 2002:

ERDC/CRREL Technical Report, Rep. No. ERDC/CRREL-TR-04-3, 51 p., illus. incl. 13 tables, 25 ref., February 2004. *Available from:* National Technical Information Service, Springfield, VA, United States. Accessed July 15, 2004; Includes appendix.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-3.pdf

58005598

Wilson, D. Keith (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Liu, Lanbo.

Finite-difference, time-domain simulation of sound propagation in a dynamic atmosphere:

ERDC/CRREL Technical Report, Rep. No. ERDC/CRREL-TR-04-12, 56 p., illus. incl. 2 tables, 25 ref., May 2004. *Available from:* National Technical Information Service, Springfield, VA, United States. Accessed July 15, 2004.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-12.pdf

58005599

Thorne, Philip G. (Applied Research Associates, South Royalton, VT).

Field screening method for perchlorate in water and soil: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-8, 30 p., illus., 27 ref., April 2004. *Available from:* National Technical Information Service, Springfield, VA, United States. Accessed July 15, 2004.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-8.pdf

58005600

Walsh, Marianne E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Field-portable X-ray fluorescence (FP-XRF) determinations of metals in post-blast ordnance residues: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-5, 26 p., illus. incl. 7 tables, 22 ref., March 2004. Available from: National Technical Information Service, Springfield, VA, United States. Accessed July 15, 2004.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-5.pdf

58005601

Jenkins, Thomas F. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); **Ranney, Thomas A.**; **Hewitt, Alan D.**; **Walsh, Marianne E.** and **Bjella, Kevin L.**

Representative sampling for energetic compounds at an antitank firing range: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-04-7, 58 p., illus. incl. 12 tables, 20 ref., April 2004. Available from: National Technical Information Service, Springfield, VA, United States. Accessed July 15, 2004.

http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR04-7.pdf

58005605

Calles, Bengt.

Computed water discharges during the final phase of the last glaciation in Sweden: **Zeitschrift für Geomorphologie**, 46(3), p. 293-307 (German, French sum.), 20 ref., 2002.

58005606

Brückner, Helmut; Schellmann, Gerhard and van der Borg, Klaas.

Uplifted beach ridges in northern Spitsbergen as indicators for glacio-isostasy and palaeo-oceanography: **Zeitschrift für Geomorphologie**, 46(3), p. 309-336 (German, French sum.), illus. incl. 2 tables, geol. sketch maps, 2002.

58005607

Eitel, Bernhard; van der Borg, Klaas; Eberle, Joachim and Megies, Holger.

Late Pleistocene/early Holocene glacial history of northern Andréeland (northern Spitsbergen/Svalbard Archipelago); evidence from glacial and fluvio-glacial deposits: **Zeitschrift für Geomorphologie**, 46(3), p. 337-364 (German, French sum.), illus. incl. 6 tables, geol. sketch maps, 2002.

58005608

Helbig, Henrik; de Klerk, Pim; Kühn, Peter and Kwasniowski, Jana.

Colluvial sequences on till plains in Vorpommern (NE Germany): in Environmental change and geomorphology (Baumhauer, Roland, editor; *et al.*), **Zeitschrift für Geomorphologie**.

Supplementband, 128, p. 81-100, illus. incl. sects., 4 tables, geol. sketch maps, 2002. *Meeting:* 26th annual geomorphology conference, 2002, Trier, Federal Republic of Germany. *Pleistocene*

58005609

Becker-Haumann, Raimo.

Ein neues Konzept für das drittletzte Glazial (Mindel-Glazial) im bayerischen Alpenvorland [A revised concept for the third last glaciation in the northern Alpine Foreland in Bavaria]:

Zeitschrift für Geologische Wissenschaften, 30(3), p. 173-190 (English sum.), strat. cols., 1 table, geol. sketch maps, 38 ref., 2002.

58005610

Antoine, Pierre and Somm  , Jean.

Aper   sur le Quaternaire [An overview of the Quaternary]: **G  ologues**, 133-134, p. 53-59, illus. incl. strat. cols., 3 tables, geol. sketch map, 22 ref., 2002.

58005611

Sharov, A. I. (Institute of Digital Image Processing, Remote Sensing Group, Graz, Austria); Glazovskiy, A. F. and Meyer, F.

Survey of glacial dynamics in Novaya Zemlya using satellite radar interferometry: **Zeitschrift f  r Gletscherkunde und Glazialgeologie**, 38(1), p. 1-19 (German sum.), illus. incl. 4 tables, sketch map, 21 ref., 2002.

58005612

Krainer, Karl (Universit  t Innsbruck, Institut f  r Geologie und Pal  ontologie, Innsbruck, Austria); Mostler, Wolfram and Span, Norbert.

A glacier-derived, ice-cored rock glacier in the western Stubai Alps (Austria); evidence from ice exposures and ground penetrating radar investigation: **Zeitschrift f  r Gletscherkunde und Glazialgeologie**, 38(1), p. 21-34 (German sum.), illus. incl. sketch maps, 46 ref., 2002.

58005613

Braithwaite, Roger J. (University of Manchester, School of Geography, Manchester, United Kingdom); Zhang, Y. and Raper, S. C. B.

Temperature sensitivity of the mass balance of mountain glaciers and ice caps as a climatological characteristic: **Zeitschrift f  r Gletscherkunde und Glazialgeologie**, 38(1), p. 35-61 (German sum.), illus. incl. 7 tables, 84 ref., 2002.

58005614

Brunner, Kurt (Universit  t der Bundeswehr M  chen, Lehrstuhl f  r Kartographie und Topographie, Munich, Federal Republic of Germany) and Rentsch, Hermann.

Das verhalten des Waxeggkees in den Zillertaler alpen von 1950 bis 2000 [Behaviour of Waxeggkees in the Zillertaler Alps from 1950-2000]: **Zeitschrift f  r Gletscherkunde und Glazialgeologie**, 38(1), p. 63-69 (English sum.), illus.; glacial geology map, 1:15,000, 7 ref., 2002.

58005615

Glazirin, G. E. (Central Asian Research Hydrometeorological Institute, Tashkent, Uzbekistan); Braun, Ludwig N. and Shchetinnikov, A. S.

Sensitivity of mountain glacierization to climatic changes in Central Asia: **Zeitschrift f  r Gletscherkunde und Glazialgeologie**, 38(1), p. 71-76 (German sum.), illus. incl. 1 table, sketch map, 12 ref., 2002.

58005616

Ghinoi, Alessandro (Universita di Modena e Reggio Emilia, Dipartimento di Scienze della Terra, Modena, Italy); Chung, C. J. F.; Bauer, Berthold and Fabbri, A. G.

A topography based statistical model for localizing potential snow avalanche release areas at the scale of an alpine valley: **Zeitschrift f  r Gletscherkunde und Glazialgeologie**, 38(1), p. 77-94 (German sum.), illus. incl. 2 tables, 24 ref., 2002.

58005617

Fyfe, John C. (Meteorological Service of Canada, Canadian Centre for Climate Modelling and Analysis, Victoria, BC, Canada).

Extratropical Southern Hemisphere cyclones; harbingers of climate change?: **Journal of Climate**, 16(17), p. 2802-2805, illus. incl. sketch map, 17 ref., September 1, 2003.

58005618

Köberle, Cornelia (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany) and Gerdes, Rüdiger.

Mechanisms determining the variability of Arctic sea ice conditions and export: **Journal of Climate**, 16(17), p. 2843-2858, illus. incl. 2 tables, sketch map, 37 ref., September 1, 2003.

58005619

Winton, Michael (NOAA, Geophysical Fluid Dynamics Laboratory, Princeton, NJ).

On the climatic impact of ocean circulation: **Journal of Climate**, 16(17), p. 2875-2889, illus. incl. 5 tables, 34 ref., September 1, 2003.

58005620

Raphael, Marilyn (University of California at Los Angeles, Department of Geography, Los Angeles, CA).

Recent, large-scale changes in the extratropical Southern Hemisphere atmospheric circulation: **Journal of Climate**, 16(17), p. 2915-2924, illus. incl. 1 table, 29 ref., September 1, 2003.

58005621

Han, Taejun (University of Incheon, Division of Biology and Chemistry, Incheon, South Korea); Han, Young-Seok; Lee, Minsoo; Park, Jin-Hee; Cho, Man-Gi; Koo, Jae-Gun and Kang, Sung-Ho.

Effect of solar irradiances on growth and pigmentation of Antarctic red algae, *Kallymenia antarctica* and *Palmaria decipiens*: **Ocean and Polar Research**, 25(4), p. 427-435, illus. incl. sketch maps, 52 ref., December 2003.

58005622

Lee, Jeong-Soo (Kangnung National University, Department of Atmospheric and Environmental Sciences, Kangnung, South Korea); Kwon, Tae-Yong; Lee, Bang Yong; Yoon, Ho-Il and Kim, Jeong-Woo.

Change of regional atmospheric circulation related with recent warming in the Antarctic Peninsula: **Ocean and Polar Research**, 25(4), p. 503-518, (Korean) (English sum.), illus. incl. 3 tables, sketch maps, 13 ref., December 2003.

58005623

Kim, Ji Hee (KORDI, Korea Polar Research Institute, Seoul, South Korea); Chung, Hosung; Choi, Han-Gu and Kim, Yeadong.

Macroalgal flora of Kongsfjorden in Svalbard Islands, the Arctic: **Ocean and Polar Research**, 25(4), p. 569-591, (Korean) (English sum.), illus. incl. 1 table, sketch map, 35 ref., December 2003.

58005624

Kundzewicz, Zbigniew W. (Polish Academy of Sciences, Research Centre of Agricultural and Forest Environment, Poznan, Poland).

Water and climate; the IPCC TAR perspective: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 387-398, illus. incl. 2 tables, 7 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005625

Rummukainen, Markku (Swedish Meteorological Institute,, Norrkoping, Sweden); Raisanen, J.; Bjorge, D.; Christensen, J. H.; Christensen, O. B.; Iversen, T.; Jylha, K.; Olafsson, H. and Tuomenvirta, H.

Regional climate scenarios for use in Nordic water resources studies: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 399-412, illus. incl. 2 tables, sketch maps, 12 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005626

Taskinen, Antti (Finnish Environment Institute, Department for Expert Services, Helsinki, Finland); Sirvio, Hannu and Vehvilainen, Bertel.

Interpolation of daily temperature in Finland: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 413-426, illus. incl. 5 tables, sketch map, 15 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005627

Marchand, Wolf-Dietrich (Norwegian University of Science and Technology, Department of Hydraulic and Environmental Engineering, Trondheim, Norway); Killingtveit, Anund; Wilen, Peter and Wikstrom, Per.

Comparison of ground-based and airborne snow depth measurements with georadar systems, case study: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 427-448, illus. incl. 2 tables, sketch map, 22 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005628

Harstveit, Knut (Norwegian Meteorological Institute, Oslo, Norway) and Jenssen, Lars.

The correlation between extreme wind and flood events in unregulated river basins: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 449-460, illus. incl. 6 tables, sketch map, 7 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005629

Krasovskaia, Irina (IGC, Sweden); Gottschalk, Lars; Leblois, Etienne and Sauquet, Erik.

Dynamics of river flow regimes viewed through attractors: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 461-476, illus., 38 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005630

Seibert, Jan (Swedish University of Agricultural Sciences, Department of Environmental Assessment, Uppsala, Sweden).

Reliability of model predictions outside calibration conditions: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 477-492, illus. incl. 2 tables, 34 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005631

Rimkus, Alfonsas (Lithuanian Institute for Water Management, Kedainiai, Lithuania); Lamsodis, Romanas and Vaikasas, Saulius.

Naturalization of drainage channels in Lithuania and possibilities of their maintenance as water recipients: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 493-506, illus. incl. 1 table, sketch map, 23 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005632

Gailiusis, Bruonas (Lithuanian Energy Institute, Hydrology Laboratory, Kaunas, Lithuania); Kriauciuniene, Jurate and Rimaviciute, Erika.

Modelling the effect of the hydroelectric pumped storage plant on hydrodynamic regime of the Kaunas Reservoir in Lithuania: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 507-518, illus. incl. 3 tables, sketch map, 8 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005633

Vaikasas, Saulius (Lithuanian Institute for Water Management, Vilainiai, Lithuania) and Rimkus, Alfonsas.

Hydraulic modelling of suspended sediment deposition in an inundated floodplain of the Nemunas Delta: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 519-530, illus. incl. 1 table, 25 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005634

Iital, Arvo (Tallinn Technical University, Department of Environmental Engineering, Tallinn, Estonia); Loigu, Enn and Vagstad, Nils.

Nutrient losses and N&P balances in small agricultural watersheds in Estonia: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 531-542, illus. incl. 4 tables, sketch map, 16 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005635

Pers, Bodil Charlotta (Swedish Meteorological and Hydrological Institute, Norrkoping, Sweden) and Persson, Irina.

Simulation of a biogeochemical model in different lakes: *in* Nordic hydrological conference 2002; selected papers, **Nordic Hydrology**, 34(5), p. 543-558, illus. incl. 5 tables, sketch map, 25 ref., 2003. *Meeting:* Aug. 4-7, 2002, Roros, Norway.

58005636

Mamo, Martha (University of Nebraska, Department of Agronomy and Horticulture, Lincoln, NE); Ginting, Daniel; Renken, Roger and Eghball, Bahman.

Stability of ion exchange resin under freeze-thaw or dry-wet environment: **Soil Science Society of America Journal (Internet)**, 68(2), p. 677-681, illus. incl. 1 table, 13 ref., April 2004.

WWW. Accessed on March 12, 2004; University of Nebraska-Lincoln, Agricultural Research Division Journal Series No. 14151.

58005637

Bockheim, J. G. (University of Wisconsin, Department of Soil Science, Madison, WI);

Hinkel, K. M.; Eisner, W. R. and Dai, X. Y.

Carbon pools and accumulation rates in an age-series of soils in drained thaw-lake basins, Arctic Alaska: **Soil Science Society of America Journal (Internet)**, 68(2), p. 697-704, illus. incl. 2 tables, sketch map, 38 ref., April 2004. WWW. Accessed on March 15, 2004.

58005638

Voinov, G. N. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Russian Federation).

O novoi interpretatsii sezonnii izmenchivosti prilivov arkticheskikh morei Rossii [New interpretation of seasonal variability of tides of Arctic seas of Russia]: **Meteorologiia i Gidrologiia**, 2003(9), p. 59-70 (English sum.), 4 tables, 16 ref., 2003.

58005639

Degtyarev, A. I. (Rosgidromet, Institut Global'nogo Klimata i Ekologii, Laboratoriia Kompleksnogo Monitoringa, Russian Federation).

Vnutrennyia i vynuzhdennaia izmenchivost' sistemy atmosfera-podstilaiushchayia poverkhnost' po dannym chislennogo modelirovaniia [Internal and forced variability of atmosphere-surface system based on numerical modeling data]: **Meteorologiia i Gidrologiia**, 2003(9), p. 5-16, illus., 15 ref., 2003.

58005640

Abshaev, A. M. (Vysokogornyy Geofizicheskii Institut, Russian Federation); Abshaev, M. T. and Sadykhov, Ia. A.

O rasprostranenii iskustvennogo aerosolya v moshchnykh konvektivnykh oblakakh [Artificial aerosol distribution in thick convective clouds]: **Meteorologiia i Gidrologiia**, 2003(9), p. 28-36 (English sum.), illus., 15 ref., 2003.

58005641

Morar', N. N. (Pomorskii Gosudarstvenny Universitet im. M. V. Lomonosova, Koryazhemskii Filial, Russian Federation).

Rol' komponentov atmosfery v formirovaniu iader kondensatsii [Atmospheric components role in formation of condensation nuclei]: **Meteorologiia i Gidrologiia**, 2003(9), p. 50-52, 1 table, 3 ref., 2003.

58005642

Malevskii-Malevich, S. P. (Glavnaia Geograficheskaya Observatoriia im. A. I. Voeikova, Russian Federation); Mol'kentin, E. K.; Nadezhina, E. D.; Pavlova, T. V. and Shklyarevich, O. B.

Otsenki vozmozhnykh izmenenii glubin protaivaniia mnogoletnemerzlykh gruntov na territorii Rossii v XXI veke [Possible change of active-layer depths in Russian permafrost areas in the 21st century]: **Meteorologiia i Gidrologiia**, 2003(12), p. 80-88 (English sum.), illus. incl. 2 tables, 11 ref., 2003.

58005643

Bulgakov, N. P. (Natsional'naia Akademiiia Nauk Ukrayiny, Morskoi Gidrofizicheskii Institut, Sevastopol, Ukraine) and Degterev, A. Kh.
Vliianie transgressii i regressii okeana na kontsentratsii CO₂ v atmosfere [Influence of oceanic transgressions and regressions on the CO₂ concentration in the atmosphere]: **Dopovidi Natsional'noyi Akademiyi Nauk Ukrayini. Matematika, Prirodoznavstvo, Tekhnichni Nauki**, 2003(4), p. 104-106 (English sum.), illus., 3 ref., 2003.

58005644

Gao, Shaobai (University of Minnesota, St. Anthony Falls Laboratory, Minneapolis, MN) and Stefan, Heinz G.
Potential climate change effects on ice covers of five freshwater lakes: **Journal of Hydrologic Engineering**, 9(3), p. 226-234, illus. incl. 5 tables, 17 ref., June 2004.

58005645

Clark, Ian (University of Ottawa, Ottawa-Carleton Geoscience Centre, Ottawa, ON, Canada); Lauriol, Bernard; Marschner, Mark; Sabourin, Nicolas; Chauret, Yanie and Desrochers, André
Endostromatolites from permafrost karst, Yukon, Canada; paleoclimatic proxies for the Holocene hypsithermal: **Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre**, 41(4), p. 387-399 (French sum.), illus. incl. 1 table, sketch map, 36 ref., April 2004.

58005646

Spudis, Paul.

La nouvelle Lune [The new Moon]: **Pour la Science**, 317, p. 38-45, 3 ref., 2004.

58005647

Holbourn, Ann (Christian-Albrechts-Universität, Mikropalaeontologie, Kiel, Federal Republic of Germany); Kuhnt, Wolfgang; Simo, J. A. and Li, Qianyu.
Middle Miocene isotope stratigraphy and paleoceanographic evolution of the northwest and southwest Australian margins (Wombat Plateau and Great Australian Bight): **Palaeogeography, Palaeoclimatology, Palaeoecology**, 208(1-2), p. 1-22, illus. incl. sects., 3 tables, geol. sketch map, 56 ref., May 31, 2004.

58005648

Roberts, Donna (University of Tasmania, Institute of Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia); McMinn, Andrew; Cremer, Holger; Gore, Damian B. and Melles, Martin.

The Holocene evolution and palaeosalinity history of Beall Lake, Windmill Islands (East Antarctica) using an expanded diatom-based weighted averaging model: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 208(1-2), p. 121-140, illus. incl. sects., 3 tables, sketch maps, 73 ref., May 31, 2004. Includes appendices.

58005649

Sille, Nicholas P. (Royal Holloway and Bedford New College University of London, Geology Department, Egham, United Kingdom); Collinson, Margaret E.; Kucera, Michal and Hooker, Jerry J.

Evolution within the charophyte genus Harrisichara, late Paleogene, southern England; environmental and biostratigraphic implications: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 208(1-2), p. 153-173, illus. incl. sects., 3 tables, sketch map, 64 ref., May 31, 2004. Includes appendix.

58005650

Oerlemans, Johannes (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands).

Correcting the Cenozoic $\delta^{18}\text{O}$ deep-sea temperature record for Antarctic ice volume: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 208(3-4), p. 195-205, illus., 20 ref., June 10, 2004.

58005651

Itaki, Takuya (Geological Survey of Japan, Institute for Marine Resources and Environment, Tokyo, Japan); Ikehara, Ken; Motoyama, Isao and Hasegawa, Shiro.

Abrupt ventilation changes in the Japan Sea over the last 30 ky; evidence from deep-dwelling radiolarians: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 208(3-4), p. 263-278, illus. incl. sects., 1 plate, 4 tables, sketch map, 46 ref., June 10, 2004.

58005652

Koch, Paul L. (University of California at Santa Cruz, Department of Earth Sciences, Santa Cruz, CA); Diffenbaugh, Noah S. and Hoppe, Kathryn A.

The effects of late Quaternary climate and pCO_2 change on C_4 plant abundance in the south-central United States: *in* Evolution of grass-dominated ecosystems during the late Cenozoic (Stromberg, Caroline A. E., editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 207(3-4), p. 331-357, illus. incl. 3 tables, sketch maps, 85 ref., May 20, 2004. *Meeting:* North American paleontological convention, June 26-July 1, 2001, Berkeley, CA. Includes appendices.

58005653

Hodgkins, Glenn A. (U. S. Geological Survey, Augusta, ME); Caldwell, James M. and Dudley, Robert W.

Historical dates for ice-affected flows for 18 rivers in New England: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 03-0245, 48 p., 19 tables, sketch map, 6 ref., 2003. Available from: U. S. Geol. Surv., Denver, CO, United States.

<http://water.usgs.gov/pubs/of/2003/ofr03-245/>

58005654

Scherer, Reed P. (Northern Illinois University, Geology and Environmental Geosciences, De Kalb, IL); Sjunneskog, Charlotte M.; Iverson, Neal R. and Hooyer, Thomas S.

Assessing subglacial processes from diatom fragmentation patterns: **Geology (Boulder)**, 32(7), p. 557-560, illus. incl. 2 tables, 16 ref., July 2004. *Antarctica*

58005655

Prasad, Sushma (GeoForschungsZentrum Potsdam, Climate Dynamics and Sediments, Potsdam, Federal Republic of Germany); **Vos, Heinz; Negendank, J. F. W.; Waldmann, Nicholas; Goldstein, Steven L. and Stein, Mordechai.**

Evidence from Lake Lisan of solar influence on decadal- to centennial-scale climate variability during marine oxygen isotope Stage 2: **Geology (Boulder)**, 32(7), p. 581-584, illus. incl. sketch map, 34 ref., July 2004. With GSA Data Repository Item 2004093.

58005656

Flower, Benjamin P. (University of South Florida, College of Marine Science, Saint Petersburg, FL); **Hastings, David W.; Hill, Heather W. and Quinn, Terrence M.**

Phasing of deglacial warming and Laurentide ice sheet meltwater in the Gulf of Mexico: **Geology (Boulder)**, 32(7), p. 597-600, illus. incl. sketch map, 34 ref., July 2004. With GSA Data Repository Item 2004095.

58005657

Powers, Lindsay A. (University of Minnesota Duluth, Large Lakes Observatory, Duluth, MN); **Werne, Josef P.; Johnson, Thomas C.; Hopmans, Ellen C.; Sinninghe Damsté, Jaap S. and Schouten, Stefan.**

Crenarchaeotal membrane lipids in lake sediments; a new paleotemperature proxy for continental paleoclimate reconstruction?: **Geology (Boulder)**, 32(7), p. 613-616, illus., 40 ref., July 2004.

58005658

Crusius, John (U. S. Geological Survey, Woods Hole, MA); **Pedersen, Thomas F.; Kienast, Stephanie; Keigwin, Lloyd and Labeyrie, Laurent.**

Influence of Northwest Pacific productivity on North Pacific Intermediate Water oxygen concentrations during the Bolling-Allerod interval (14.7-12.9 ka): **Geology (Boulder)**, 32(7), p. 633-636, illus. incl. sketch map, 36 ref., July 2004.

58005659

Molnia, Bruce F. (U. S. Geological Survey).

Glossary of glacier terminology; a glossary providing the vocabulary necessary to understand the modern glacier environment: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 2004-1216, illus., 2004. WWW. Accessed on June 30, 2004.

<http://pubs.usgs.gov/of/2004/1216>

58005660

Perez, F. L. (University of Texas, Department of Geography, Austin, TX).

Debris transport over a snow surface; a field experiment: **Revue de Géomorphologie Dynamique**, 37(3), p. 81-101 (French sum.), 6 tables, 1988.

58005661

Jackson, L. E., Jr., compiler.

Surficial geology, Tantalus Butte, Yukon Territory: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1879A, 1 sheet, surficial geology map, 1:100,000, 1997.

58005662

Russell, H. A. J. and White, O. L., compilers.

Surficial geology of the Bolton area, NTS 30M/13, southern Ontario: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3299, 1 sheet, illus. incl. surficial geology map, 1:50,000, 1997.

58005663

Sharpe, D. and Barnett, P. J., compilers.

Surficial geology of the Markham area, NTS 30M/14, southern Ontario: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3300, 1 sheet, illus. incl. surficial geology map, 1:50,000, 1997.

58005664

Thorleifson, L. H. and Matile, G. L. D.

Till geochemical and indicator mineral reconnaissance of northeastern Manitoba: **Open-File Report - Geological Survey of Canada**, Rep. No. 3449, 1 diskette, 8 ref., 1997. diskette.

58005665

Bélanger, J. R.; Moore, A. and Prégent, A., compilers.

Surficial geology, digital map, Low, Quebec (31G/13)—Carte numérique de la géologie de surface, Low, Québec (31G/13): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3475, 2 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

58005666

Bélanger, J. R.; Moore, A. and Prégent, A., compilers.

Surficial geology, digital map, Wakefield, Quebec (31G/12)—Carte numérique de la géologie de surface, Wakefield, Québec (31G/12): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3476, 2 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

58005667

Bélanger, J. R.; Moore, A. and Prégent, A., compilers.

Surficial geology, digital map, Thurso, Quebec (31G/11)—Carte numérique de la géologie de surface, Thurso, Québec (31G/11): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3477, 2 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

58005668

Bélanger, J. R.; Moore, A. and Prégent, A., compilers.

Surficial geology, digital map, Arnprior, Ontario-Quebec (31F/8)—Carte numérique de la géologie de surface, Arnprior, Ontario-Québec (31F/8): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3482, 3 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

58005669

Bélanger, J. R.; Moore, A. and Prégent, A., compilers.

Surficial geology, digital map, Carleton Place, Ontario (31F/1)—Carte numérique de la géologie de surface, Carleton Place, Ontario (31F/1): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3483, 3 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

58005670

Liu Yong (Lanzhou University, Department of Geographical Science, Lanzhou, China) and Zhang Shenglei.

3D imagery of Mount Everest, Himalayas, and its geomorphologic significance: **Acta Geographica Sinica**, 53(5), p. 438-444, (Chinese) (English sum.), illus., 7 ref., September 1998.

58005671

Laufer, D. (Tel-Aviv University, Department of Geophysics and Planetary Sciences, Tel-Aviv, Israel); Notesco, G.; Bar-Nun, A. and Owen, T.

From the interstellar medium to Earth's oceans via comets; an isotopic study of HDO/H₂O: **Icarus**, 140(2), p. 446-450, illus. incl. table, 40 ref., August 1, 1999.

58005672

Hudson, R. L. (Eckerd College, Department of Chemistry, Saint Petersburg, FL) and Moore, M. H.

Laboratory studies of the formation of methanol and other organic molecules by water+carbon monoxide radiolysis; relevance to comets, icy satellites, and interstellar ices: **Icarus**, 140(2), p. 451-461, illus. incl. 4 tables, 52 ref., August 1, 1999.

58005673

Lewis, Ralph S. (State Geological and Natural History Survey of Connecticut, Environmental and Geographic Information Center, Hartford, CT) and DiGiacomo-Cohen, Mary L.

A review of the geologic framework of the Long Island Sound basin, with some observations relating to postglacial sedimentation: *in* Regional processes, conditions, and characteristics of the Long Island Sound sea floor (Knebel, Harley J., editor; *et al.*), **Journal of Coastal Research**, 16(3), p. 522-532, illus. incl. geol. sketch map; marine geology map, 1:570,240; marine geology map, 1:350,000, 82 ref., 2000.

58005674

Are, Feliks (Petersburg State University of Means of Communications, St. Petersburg, Russian Federation) and Reimnitz, Erk.

An overview of the Lena River delta setting; geology, tectonics, geomorphology, and hydrology: **Journal of Coastal Research**, 16(4), p. 1083-1093, illus. incl. sketch map, 44 ref., 2000.

58005681

Schauer, Ursula and Arntz, Wolfgang.

ARK XVI/2; 30.07.-26.08.2000 Longyearbyen-Bremerhaven: *in* The expeditions ARKTIS XVI/1 and ARKTIS XVI/2 of the research vessel "Polarstern" in 2000 (Krause, Gunther, editor; *et al.*), **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 389, p. 48-108, illus. incl. 4 tables, 7 ref., 2001.

58005682

Lozán, José L.; Grassl, Hartmut and Hupfer, Peter, editors.

Climate of the 21st century; changes and risks; scientific facts: 2nd edition, Wiss. Auswertungen, Hamburg, Federal Republic of Germany, 448 p., illus. incl. 66 tables, sketch maps, 2001. ISBN: 3-00-006227-0.

58005683

Rachold, Volker and Grigoriev, Mikhail N., editors.

Russian-German cooperation system LAPTEV SEA 2000; the expedition Lena 2000: **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 388, 135 p., illus. incl. sects., geol. sketch maps, 2001.

58005684

Shaw, Alexandra.

The Fraser Ridge; an outcropping Pleistocene high in the Fraser Delta: Bachelor's, April 2003, University of Victoria, Victoria, BC, Canada.

58005685

Berg, Aaron A. (University of Melbourne, Cener for Environmental Applied Hydrology, Melbourne, Victoria, Australia); Famiglietti, James S.; Walker, Jeffrey P. and Houser, Paul R.

Impact of bias correction to reanalysis products on simulations of North American soil moisture and hydrological fluxes: **Journal of Geophysical Research, D, Atmospheres**, 108(16), 15 p., illus. incl. 2 tables, geol. sketch map, 66 ref., August 27, 2003.

58005686

Kagawa, A. (Forestry and Forest Products Research Institute, Ibaraki, Japan); Naito, D.; Sugimoto, A. and Maximov, T. C.

Effects of spatial and temporal variability in soil moisture on widths and $\delta^{13}\text{C}$ values of eastern Siberian tree rings: **Journal of Geophysical Research, D, Atmospheres**, 108(16), 8 p., illus., 40 ref., August 27, 2003.

58005687

Ling, Feng (University of Colorado, National Snow and Ice Data Center, Boulder, CO) and Zhang, Tingjun.

Numerical simulation of permafrost thermal regime and talik development under shallow thaw lakes on the Alaskan Arctic Coastal Plain: **Journal of Geophysical Research, D, Atmospheres**, 108(16), 11 p., illus., 50 ref., August 27, 2003.

58005688

Lindfors, A. V. (Finnish Meteorological Institute, Helsinki, Finland); Arola, A.; Kaurola, J.; Taalas, P. and Svenoe, T.

Long-term erythemal UV doses at Sodankyla estimated using total ozone, sunshine duration, and snow depth: **Journal of Geophysical Research, D, Atmospheres**, 108(16), 11 p., illus., 48 ref., August 27, 2003.

58005689

Krinner, Gerhard (Université Joseph Fourier, Laboratoire de Glaciologie et Géophysique, Grenoble, France).

Impact of lakes and wetlands on boreal climate: **Journal of Geophysical Research, D, Atmospheres**, 108(16), 14 p., illus. incl. 2 tables, geol. sketch maps, 36 ref., August 27, 2003.

58005690

Trudinger, C. M. (CSIRO Atmospheric Research, Aspendale, Victoria, Australia); Rayner, P. J.; Enting, I. G.; Heimann, M. and Scholze, M.

Implications of ice core smoothing for inferring CO₂ flux variability: **Journal of Geophysical Research, D, Atmospheres**, 108(16), 6 p., illus., 26 ref., August 27, 2003.

58005691

Röhlisberger, Regine (British Antarctic Survey, Cambridge, United Kingdom); Mulvaney, Robert; Wolff, Eric W.; Hutterli, Manuel A.; Bigler, Matthias; de Angelis, Martine; Hansson, Margareta E.; Steffensen, Jorgen P. and Udisti, Roberto.

Limited dechlorination of sea-salt aerosols during the last glacial period; evidence from the European Project for Ice Coring in Antarctica (EPICA) Dome C ice core: **Journal of Geophysical Research, D, Atmospheres**, 108(16), 6 p., illus., 27 ref., August 27, 2003.

58005692

Yang, Rongqian (National Centers for Environmental Prediction, Camp Springs, MD) and Friedl, Mark A.

Modeling the effects of three-dimensional vegetation structure on surface radiation and energy balance in boreal forests: *in* GEWEX continental-scale international project; Part 3, (GCIP3) (Robock, Alan, prefacer), **Journal of Geophysical Research, D, Atmospheres**, 108(16), 11 p., illus. incl. 1 table, 37 ref., August 27, 2003.

58005693

Schlosser, C. Adam (NASA, Goddard Space Flight Center, Hydrological Sciences Branch, Greenbelt, MD) and Mocko, David M.

Impact of snow conditions in spring dynamical seasonal predictions: *in* GEWEX continental-scale international project; Part 3, (GCIP3) (Robock, Alan, prefacer), **Journal of Geophysical Research, D, Atmospheres**, 108(16), 14 p., illus. incl. geol. sketch map, 41 ref., August 27, 2003.

58005694

Romanov, Peter (NOAA, Office of Research and Applications, Camp Springs, MD); Tarpley, Dan; Gutman, Garik and Carroll, Thomas.

Mapping and monitoring of the snow cover fraction over North America: *in* GEWEX continental-scale international project; Part 3, (GCIP3) (Robock, Alan, prefacer), **Journal of Geophysical Research, D, Atmospheres**, 108(16), 4 p., illus., August 27, 2003.

58005695

He Yuanqing (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Zhang Zhonglin; Theakstone, Wilfred H.; Chen Tuo; Yao Tandong and Pang Hongxi.

Changing features of the climate and glaciers in China's monsoonal temperate glacier region: **Journal of Geophysical Research, D, Atmospheres**, 108(17), 7 p., illus. incl. 1 table, geol. sketch map, 33 ref., September 16, 2003.

58005696

Arola, A. (Finnish Meteorological Institute, Ozone and UV Radiation Research, Helsinki, Finland); Kaurola, J.; Koskinen, L.; Tanskanen, A.; Tikkonen, T.; Taalas, P.; Herman, J. R.; Krotkov, N. and Fioletov, V.

A new approach to estimating the albedo for snow-covered surfaces in the satellite UV method: **Journal of Geophysical Research, D, Atmospheres**, 108(17), 5 p., illus., 16 ref., September 16, 2003.

58005697

Bernhard, G. (Biospherical Instruments, San Diego, CA); Booth, C. R. and McPeters, R. D. Calculation of total column ozone from global UV spectra at high latitudes: **Journal of Geophysical Research, D, Atmospheres**, 108(17), 12 p., illus. incl. 3 tables, 23 ref., September 16, 2003.

58005698

Miyamachi, Hiroki (Kagoshima University, Department of Earth and Environmental Sciences, Kagoshima, Japan); Toda, Shigeru; Matsushima, Takeshi; Takada, Masamitsu; Watanabe, Atsushi; Yamashita, Mikiya and Kanao, Masaki.

Seismic refraction and wide-angle reflection exploration by JARE-43 on Mizuho Plateau, East Antarctica: **Polar Geoscience**, 16, p. 1-21, illus. incl. sketch map, 21 ref., October 2003.

58005699

Shibuya, Kazuo (National Institute of Polar Research, Center for Antarctic Environment Monitoring, Tokyo, Japan); Doi, Koichiro and Aoki, Shigeru.

Ten years' progress of Syowa Station, Antarctica, as a global geodesy network site: **Polar Geoscience**, 16, p. 29-52, illus. incl. 2 tables, sketch maps, 70 ref., October 2003.

58005700

D'Onofrio, Enrique E. (Servicio de Hidrografía Naval, Departamento Oceanografía, Buenos Aires, Argentina); Dragani, Walter C.; Speroni, Jorge O. and Fiore, Mónica M. E.

Propagation and amplification of tide at the northeastern coast of the Antarctic Peninsula; an observational study: **Polar Geoscience**, 16, p. 53-60, illus. incl. 1 table, sketch map, 23 ref., October 2003.

58005701

Glazirin, G. E. (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Kodama, Y. and Ohata, T.

Stability of drifting snow-type perennial snow patches: **Bulletin of Glaciological Research**, 21, p. 1-8, illus. incl. 4 tables, sketch map, 19 ref., January 2004.

58005702

Sakai, Akiko (Nagoya University, Graduate School of Environmental Studies, Nagoya, Japan); Fujita, Koji and Kubota, Jumpei.

Evaporation and percolation effect on melting at debris-covered Lirung Glacier, Nepal Himalayas, 1996: **Bulletin of Glaciological Research**, 21, p. 9-15, 18 ref., January 2004.

58005703

Abe, Osamu (National Research Institute for Earth Science and Disaster Prevention, Snow and Ice Research Group, Shinjo, Japan) and Wang Liangwei.

Meteorological characteristics in upstream regions of the Qira River, Kunlun Mountains, China: **Bulletin of Glaciological Research**, 21, p. 17-22, illus. incl. 3 tables, sketch map, 15 ref., January 2004.

58005704

Zhou Shiqiao (Chinese Academy of Science, Institute of the Qinghai-Tibet Plateau, Beijing, China); Narita, Hideki; Suzuki, Keisuke and Nakawo, Masayoshi.

An estimate of spatial ratios for preferential water flow in a melting snowpack: **Bulletin of Glaciological Research**, 21, p. 23-29, illus., 23 ref., January 2004.

58005705

Matsuda, Yoshihiro (Nagoya University, Graduate School of Environmental Studies, Nagoya, Japan); Sakai, Akiko; Fujita, Koji; Nakawo, Masayoshi; Duan Keqin; Pu Jianchen and Yao Tandong.

Glaciological observations on July 1st Glacier in Qilian Mountains of west China during summer 2002: **Bulletin of Glaciological Research**, 21, p. 31-36, illus. incl. 2 tables, sketch map, 17 ref., January 2004.

58005706

Harrison, Stephan (Oxford University, Centre for the Environment, Oxford, United Kingdom); Glasser, Neil and Aniya, Masamu.

Morphostratigraphy of moraines in the Lago Tranquilo area, Chilean Patagonia: **Bulletin of Glaciological Research**, 21, p. 37-43, illus. incl. 1 table, sketch map, 14 ref., January 2004.

58005707

Skvarca, Pedro (Instituto Antártico Argentino, Buenos Aires, Argentina); Naruse, Renji and de Angelis, Hernán.

Recent thickening trend of Glaciar Perito Moreno, southern Patagonia: **Bulletin of Glaciological Research**, 21, p. 45-48, illus. incl. sketch map, 22 ref., January 2004.

58005708

Komori, Jiro (Tokyo Metropolitan University, Department of Geography, Tokyo, Japan); Gurung, Deo Raj; Iwata, Shuji and Yabuki, Hironori.

Variation and lake expansion of Chubda Glacier, Bhutan Himalayas, during the last 35 years: **Bulletin of Glaciological Research**, 21, p. 49-55, illus. incl. sketch map, 17 ref., January 2004.

58005709

Fujita, Koji (Nagoya University, Graduate School of Environmental Studies, Nagoya, Japan); Takeuchi, Nozomu; Aizen, Vladimir and Nikitin, Stanislav.

Glaciological observations on the plateau of Belukha Glacier in the Altai Mountains, Russia from 2001 to 2003: **Bulletin of Glaciological Research**, 21, p. 57-64, illus. incl. 5 tables, sketch map, 31 ref., January 2004.

58005710

Kameda, Takao (Kitami Institute of Technology, Hokkaido, Japan); **Fujii, Yoshiyuki**; **Suzuki, Keisuke**; **Kohno, Mika**; **Nakazawa, Fumio**; **Uetake, Jun**; **Savatyugin, Lev M.**; **Arkhipov, Serguei M.**; **Ponomarev, Ivan A.** and **Mikhailov, Nikolay N.**

Stratigraphy and ice grains of a 25.3 m ice core from Sofiyskiy Glacier, Russian Altai Mountains, in 2001: **Bulletin of Glaciological Research**, 21, p. 65-69, illus. incl. sketch map, 9 ref., January 2004.

58005711

Shiraiwa, Takayuki (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); **Kanamori, Syosaku**; **Benson, Carl S.**; **Solie, Daniel** and **Muravyev, Yaroslav D.**

Shallow ice-core drilling at Mount Wrangell, Alaska: **Bulletin of Glaciological Research**, 21, p. 71-77, illus. incl. 2 tables, sketch map, 11 ref., January 2004.

58005712

Yamada, Tomomi (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); **Naito, Nozomu**; **Kohshima, Shiro**; **Fushimi, Hiroji**; **Nakazawa, Fumio**; **Segawa, Takahiro**; **Uetake, Jun**; **Suzuki, Ryohei**; **Sato, Nariyuki**; **Karma**; **Chhetri, Andra K.**; **Gyenden, Lobzang**; **Yabuki, Hironori** and **Chikita, Kazuhisa**.

Outline of 2002; research activities on glaciers and glacier lakes in Lunana region, Bhutan Himalayas: **Bulletin of Glaciological Research**, 21, p. 79-90, illus. incl. sketch map, 18 ref., January 2004.

58005713

Iizuka, Yasuko (National Institute of Polar Research, Graduate University for Advanced Studies, Tokyo, Japan); **Kobayashi, Shun'ichi** and **Naruse, Renji**.

Water surface waves induced by calving events at Perito Moreno Glacier, southern Patagonia: **Bulletin of Glaciological Research**, 21, p. 91-96, illus. incl. sketch maps, 7 ref., January 2004.

58005714

Baker, Daniel N. (University of Colorado at Boulder, Boulder, CO); **Barton, C.**; **Rodger, A. S.**; **Fraser, B.**; **Thompson, B.** and **Papitashvili, V.**

Moving beyond the IGY; the electronic Geophysical Year (eGY) concept: **Eos, Transactions, American Geophysical Union**, 85(11), p. 105, 109, illus. incl. 1 table, March 16, 2004.

58005715

Kershaw, Jane Alison.

Formation and failure of moraine-dammed Queen Bess Lake, southern Coast Mountains, British Columbia: 130 p., illus. incl. 13 tables, 13 ref., Master's, 2002, Simon Fraser University, Burnaby, BC, Canada.

58005716

Huscroft, Crystal A.

Late Cenozoic history of the Yukon River valley, Fort Selkirk to the Stevenson Ridge map area (115 I/13,14 & J/13,14,15): 153 p., 9 tables, 23 plates, 85 ref., Master's, November 2002, Simon Fraser University, Burnaby, BC, Canada.

58005717

Siebert, Asher.

The response of ENSO to global warming: 62 p., 32 ref., Bachelor's, April 15, 2002, Princeton University, Princeton, NJ.

58005718

Willis, Katherine J. (University of Oxford, School of Geography and the Environment, Oxford, United Kingdom); Bennett, K. D. and Walker, D., editors.

The evolutionary legacy of the ice ages; papers of a discussion meeting: **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 155-303, illus. incl. tables, February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom. Individual papers are cited separately.

58005719

Willis, Katherine J. (University of Oxford, School of Geography and the Environment, Oxford, United Kingdom) and Niklas, Karl J.

The role of Quaternary environmental change in plant macroevolution; the exception or the rule?: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 159-172, illus. incl. 1 table, 79 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005720

Hooghiemstra, Henry (University of Amsterdam, Institute for Biodiversity and Ecosystem Dynamics, Amsterdam, Netherlands) and van der Hammen, Thomas.

Quaternary ice-age dynamics in the Colombian Andes; developing an understanding of our legacy: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 173-181, illus. incl. 1 table, 39 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005721

Hewitt, G. M. (University of East Anglia, School of Biological Sciences, Norwich, United Kingdom).

Genetic consequences of climatic oscillations in the Quaternary: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 183-195, illus. incl. 2 tables, 103 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005722

Lascoux, Martin (Uppsala University, Program in Conservation Biology and Genetics, Uppsala, Sweden); Palmé, Anna E.; Cheddadi, Rachid and Latta, Robert G.

Impact of ice ages on the genetic structure of trees and shrubs: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 197-207, illus. incl. 1 table, 50 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005723

Coope, G. R. (Royal Holloway University of London, Centre for Quaternary Research, Egham, United Kingdom).

Several million years of stability among insect species because of, or in spite of, Ice Age climatic instability?: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 209-214, 27 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005724

Zink, Robert M. (University of Minnesota, J.F. Bell Museum of Natural History, Saint Paul, MN); Klicka, John and Barber, Brian R.

The tempo of avian diversification during the Quaternary: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 215-220, illus., 24 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005725

Lister, Adrian M. (University College London, Department of Biology, London, United Kingdom).

The impact of Quaternary ice ages on mammalian evolution: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 221-241, illus. incl. 2 tables, 121 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005726

Gamble, Clive (University of Southampton, Centre for the Archaeology of Human Origins, Southampton, United Kingdom); Davies, William; Pettitt, Paul and Richards, Martin.

Climate change and evolving human diversity in Europe during the last glacial: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 243-254, illus. incl. 6 tables, 86 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005727

Forster, Peter (University of Cambridge, McDonald Institute for Archaeological Research, Cambridge, United Kingdom).

Ice ages and the mitochondrial DNA chronology of human dispersals; a review: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 255-264, illus., 65 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom. Includes appendix.

58005728

Kadereit, Joachim W. (Johannes Gutenberg-Universität Mainz, Institut für Spezielle Botanik, Mainz, Federal Republic of Germany); Griebeler, Eva Maria and Comes, Hans, Peter.

Quaternary differentiation in European alpine plants; pattern and process: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 265-274, illus. incl. 3 tables, 54 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005729

McKinnon, Gay E. (University of Tasmania, School of Plant Science, Hobart, Tasmania, Australia); **Jordan, Gregory J.**; **Vaillancourt, René E.**; **Steane, Dorothy A.** and **Potts, Brad M.**

Glacial refugia and reticulate evolution; the case of the Tasmanian eucalypts: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 275-284, sketch maps, 71 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005730

Bennett, Keith D. (Uppsala University, Paleobiology Program, Uppsala, Sweden).

Continuing the debate on the role of Quaternary environmental change for macroevolution: *in* The evolutionary legacy of the ice ages; papers of a discussion meeting (Willis, Katherine J., editor; *et al.*), **Philosophical Transactions - Royal Society of London. Biological Sciences**, 359(1442), p. 295-303, illus. incl. 1 table, 82 ref., February 29, 2004. *Meeting:* May 21-22, 2003, London, United Kingdom.

58005731

Hacker, Brian L.

Ground water quality and geologic controls along the buried Teays Valley, west-central Ohio: 67 p., illus. incl. 16 tables, 22 ref., Master's, December 2000, Illinois State University, Normal, IL.

58005732

Lowery, Jason B.

Estimating the hydraulic conductivity of glacial tills from soil index tests: 61 p., illus. incl. 4 tables, 22 ref., Master's, May 2001, Illinois State University, Normal, IL.

58005733

Parekh, Payal.

Decoupling of iron and phosphate in the global ocean: Doctoral, 2003, Massachusetts Institute of Technology, Cambridge, MA. *Available from:* Mass. Inst. Technol., Libr., Cambridge, MA, United States.

58005734

Srivastav, Aradhna.

Upper Miocene to Pliocene diatom taxonomy and biostratigraphic synthesis of ODP Hole 695A, Jane Basin, Weddell Sea, Antarctic: 309 p., Doctoral, 2003, University of Nebraska, Lincoln, Lincoln, NE. *Available from:* Univ. Microfilms. , *Actinocyclus bohatyi*, *Cyclomedius maccollumii*, *Denticulopsis rhombiformis*, *Fragilariopsis*, *Rouxia quartera*, *Synedropsis*, *Thalassiosira*

58005735

Huth, Anne M. Kramer.

Geochemical and isotopic mixing models; two case studies in a snow-dominated and semi-arid environment: 182 p., Doctoral, 2003, University of Arizona, Tucson, AZ. *Available from:* Univ. Microfilms.

58005736

Schell, Trecia Marie.

Benthic foraminiferal assemblages in Effingham Inlet, a fjord of western Vancouver Island, British Columbia; implications for late Holocene paleoproductivity of the northeastern Pacific: 301 p., Doctoral, 2003, Dalhousie University, Halifax, NS, Canada. ISBN: 0-612-83707-6 Available from: Univ. Microfilms.

58005737

Tang, Wei-Chih.

Enhancing biodegradation after bioremediation of polycyclic aromatic hydrocarbons in soil: 96 p., Doctoral, 2003, Cornell University, Ithaca, NY. Available from: Univ. Microfilms.

58005738

Grannas, Amanda Marie.

Sources and behavior of carbonyl compounds in the Arctic atmosphere and snowpack: 182 p., Doctoral, 2002, Purdue University, West Lafayette, IN. Available from: Univ. Microfilms.

58005739

Reusch, David Bradshaw.

Nonlinear paleoclimatology; reconstructions in West Antarctica: 206 p., Doctoral, 2003, Pennsylvania State University, University Park, University Park, PA. Available from: Univ. Microfilms.

58005740

Whitson, I. R. (University of Alberta, Department of Biological Sciences, Edmonton, AB, Canada); Chanasyk, D. S. and Prepas, E. E.

Patterns of water movement on a logged Gray Luvisolic hillslope during the snowmelt period: **Canadian Journal of Soil Science**, 84(1), p. 71-82 (French sum.), illus. incl. 1 table, sketch map, 55 ref., February 2004.

58005742

Carter, L. (National Institute of Water and Atmosphere, Wellington, New Zealand); Carter, R. M. and McCave, I. N.

Evolution of the sedimentary system beneath the deep Pacific inflow off eastern New Zealand: *in* Cenozoic oceanographic evolution of the SW Pacific gateway; papers resulting from work on the cores drilled on Ocean Drilling Program Leg 181 to the Southwest Pacific east of New Zealand in August-October 1998 (McCave, I. N., editor; *et al.*), **Marine Geology**, 205(1-4), p. 9-27, illus. incl. 2 tables, sketch maps, 100 ref., April 30, 2004.

58005743

Carter, R. M. (University of Adelaide, Department of Geology and Geophysics, Adelaide, South Aust., Australia); Gammon, P. R. and Millwood, L.

Glacial-interglacial (MIS 1-10) migrations of the subtropical front across ODP Site 1119, Canterbury Bight, Southwest Pacific Ocean: *in* Cenozoic oceanographic evolution of the SW Pacific gateway; papers resulting from work on the cores drilled on Ocean Drilling Program Leg 181 to the Southwest Pacific east of New Zealand in August-October 1998 (McCave, I. N., editor; *et al.*), **Marine Geology**, 205(1-4), p. 29-58, illus. incl. sect., 4 tables, sketch maps, 71 ref., April 30, 2004.

58005744

Fenner, Juliane (Bundesanstalt für Geowissenschaften und Rohstoffe, Hanover, Federal Republic of Germany) and Di Stefano, Agata.

Late Quaternary oceanic fronts along Chatham Rise indicated by phytoplankton assemblages, and refined calcareous nannofossil stratigraphy for the mid-latitude SW Pacific: *in Cenozoic oceanographic evolution of the SW Pacific gateway; papers resulting from work on the cores drilled on Ocean Drilling Program Leg 181 to the Southwest Pacific east of New Zealand in August-October 1998 (McCave, I. N., editor; et al.), Marine Geology, 205(1-4), p. 59-86, illus. incl. 2 tables, sketch map, 74 ref., April 30, 2004. diatoms*

58005745

Mildenhall, D. C. (Institute of Geological and Nuclear Sciences, Lower Hutt, New Zealand); Hollis, C. J. and Naish, T. R.

Orbitally-influenced vegetation record of the mid-Pleistocene climate transition, offshore eastern New Zealand (ODP Leg 181, Site 1123): *in Cenozoic oceanographic evolution of the SW Pacific gateway; papers resulting from work on the cores drilled on Ocean Drilling Program Leg 181 to the Southwest Pacific east of New Zealand in August-October 1998 (McCave, I. N., editor; et al.), Marine Geology, 205(1-4), p. 87-111, illus. incl. sketch map, 63 ref., April 30, 2004.*

58005746

Scott, G. H. (Institute of Geological and Nuclear Sciences, Lower Hutt, New Zealand) and Hall, I. R.

Planktonic foraminiferal evidence on late Pliocene-Quaternary near surface water masses at ODP Site 1123B, northern Chatham Rise, east of New Zealand: *in Cenozoic oceanographic evolution of the SW Pacific gateway; papers resulting from work on the cores drilled on Ocean Drilling Program Leg 181 to the Southwest Pacific east of New Zealand in August-October 1998 (McCave, I. N., editor; et al.), Marine Geology, 205(1-4), p. 127-145, illus. incl. 1 table, sketch map, 39 ref., April 30, 2004.*

58005747

Joseph, Leah H. (University of Michigan, Department of Geological Sciences, Ann Arbor, MI); Rea, David K. and van der Pluijm, Ben A.

Neogene history of the Deep Western Boundary Current at Rekohu sediment drift, Southwest Pacific (ODP Site 1124): *in Cenozoic oceanographic evolution of the SW Pacific gateway; papers resulting from work on the cores drilled on Ocean Drilling Program Leg 181 to the Southwest Pacific east of New Zealand in August-October 1998 (McCave, I. N., editor; et al.), Marine Geology, 205(1-4), p. 185-206, illus. incl. 2 tables, sketch map, 52 ref., April 30, 2004.*

58005748

Weedon, Graham P. (University of Luton, Centre for Environmental Change, Luton, United Kingdom) and Hall, Ian R.

Neogene palaeoceanography of Chatham Rise (Southwest Pacific) based on sediment geochemistry: *in Cenozoic oceanographic evolution of the SW Pacific gateway; papers resulting from work on the cores drilled on Ocean Drilling Program Leg 181 to the Southwest Pacific east of New Zealand in August-October 1998 (McCave, I. N., editor; et al.), Marine Geology, 205(1-4), p. 207-225, illus. incl. 2 tables, sketch map, 48 ref., April 30, 2004.*

58005749

Hansen, Louise (University of Copenhagen, Geological Museum, Copenhagen, Denmark). Deltaic infill of a deglaciated Arctic fjord, East Greenland; sedimentary facies and sequence stratigraphy: **Journal of Sedimentary Research**, 74(3), p. 422-437, illus. incl. block diags., sects., 1 table, sketch maps, 63 ref., May 2004.

58005750

Clark, Peter U. (Oregon State University, Department of Geosciences, Corvallis, OR); McCabe, A. Marshall; Mix, Alan C. and Weaver, Andrew J. Rapid rise of sea level 19,000 years ago and its global implications: **Science**, 304(5674), p. 1141-1144, illus. incl. 2 tables, sketch map, 46 ref., May 21, 2004. *Northern Ireland*

58005751

Muñoz, Jesús (Real Jardín Botánico, Madrid, Spain); Felicísimo, Ángel M.; Cabezas, Francisco; Burgaz, Ana R. and Martínez, Isabel.

Wind as a long-distance dispersal vehicle in the Southern Hemisphere: **Science**, 304(5674), p. 1144-1147, illus. incl. 2 tables, sketch map, 27 ref., May 21, 2004.

58005752

deYoung, Brad (Memorial University, Physics and Physical Oceanography, Saint Johns, NF, Canada); Heath, Mike; Werner, Francisco; Chai, Fei; Megrey, Bernard and Monfray, Patrick.

Challenges of modeling ocean basin ecosystems: **Science**, 304(5676), p. 1463-1466, illus., 35 ref., June 4, 2004.

58005753

Schokker, Jeroen (Utrecht University, Department of Physical Geography, Utrecht, Netherlands) and Koster, Eduard A.

Sedimentology and facies distribution of Pleistocene cold-climate aeolian and fluvial deposits in the Roer Valley Graben (southeastern Netherlands): **Permafrost and Periglacial Processes**, 15(1), p. 1-20, illus. incl. 2 tables, sects., strat. cols., 2 tables, geol. sketch maps, 48 ref., March 2004.

58005754

Vandenbergh, J. (Vrije Universiteit, Institute of Earth Sciences, Amsterdam, Netherlands); Cui Zhijiu; Zhao Liang and Zhang Wei.

Thermal-contraction-crack networks as evidence for late-Pleistocene permafrost in Inner Mongolia, China: **Permafrost and Periglacial Processes**, 15(1), p. 21-29, illus. incl. sketch maps, 29 ref., March 2004.

58005755

Kolstrup, Else (Uppsala University, Department of Earth Sciences, Uppsala, Sweden).

Stratigraphic and environmental implications of a large ice-wedge cast at Tjaereborg, Denmark: **Permafrost and Periglacial Processes**, 15(1), p. 31-40, illus. incl. 1 table, sketch map, 52 ref., March 2004.

58005756

Buteau, Sylvie (**Université Laval, Centre d'Études Nordiques, Sainte-Foy, PQ, Canada**);
Fortier, Richard; Delisle, Georg and Allard, Michel.
Numerical simulation of the impacts of climate warming on a permafrost mound: **Permafrost and Periglacial Processes**, 15(1), p. 41-57, illus. incl. 4 tables, sketch map, 51 ref., March 2004.

58005757

Burn, C. R. (**Carleton University, Department of Geography and Environmental Studies, Ottawa, ON, Canada**).
A field perspective on modelling "single-ridge" ice-wedge polygons: **Permafrost and Periglacial Processes**, 15(1), p. 59-65, illus., 34 ref., March 2004.

58005758

Lewkowicz, Antoni G. (**University of Ottawa, Department of Geography, Ottawa, ON, Canada**) and **Ednie, Mark.**
Probability mapping of mountain permafrost using the BTS method, Wolf Creek, Yukon Territory, Canada: **Permafrost and Periglacial Processes**, 15(1), p. 67-80, illus. incl. 2 tables, sketch maps, 49 ref., March 2004.

58005759

Brouchkov, Anatoli (**Hokkaido University, Hokkaido, Japan**); **Fukuda, Masami; Fedorov, Alexander; Konstantinov, Pavel and Iwahana, Go.**
Thermokarst as a short-term permafrost disturbance, central Yakutia: **Permafrost and Periglacial Processes**, 15(1), p. 81-87, illus. incl. 4 tables, 22 ref., March 2004.

58005760

Sumner, Paul (**University of Pretoria, Department of Geography, Geoinformatics and Meteorology, Pretoria, South Africa**).
Relict sorted patterned ground in Lesotho: **Permafrost and Periglacial Processes**, 15(1), p. 89-93, illus. incl. sketch map, 13 ref., March 2004.

58005761

Gorbunov, Aldar P. (**Russian Academy of Sciences, Kazakhstan Alpine Geocryological Laboratory, Almaty, Kazakhstan**); **Marchenko, Sergei S. and Seversky, Eduard V.**
The thermal environment of blocky materials in the mountains of Central Asia: **Permafrost and Periglacial Processes**, 15(1), p. 95-98, illus. incl. 2 tables, 7 ref., March 2004.

58005762

Bruhn, Ronald L. (**University of Utah, Department of Geology and Geophysics, Salt Lake City, UT**); **Pavlis, Terry L.; Plafker, George and Serpa, Laura.**
Deformation during terrane accretion in the Saint Elias Orogen, Alaska: **Geological Society of America Bulletin**, 116(7-8), p. 771-787, illus. incl. sects., 1 table, geol. sketch maps, 61 ref., August 2004.

58005763

Sugden, David (University of Edinburgh, Institute of Geography, Edinburgh, United Kingdom) and Denton, George.

Cenozoic landscape evolution of the Convoy Range to Mackay Glacier area, Transantarctic Mountains; onshore to offshore synthesis: **Geological Society of America Bulletin**, 116(7-8), p. 840-857, illus. incl. sects., 4 tables, geol. sketch map, 81 ref., August 2004.

58005764

Tornqvist, Torbjorn E. (University of Illinois at Chicago, Department of Earth and Environmental Sciences, Chicago, IL); González, Juan L.; Newsom, Lee A.; van der Borg, Klaas; de Jong, Arie F. M. and Kurnik, Charles W.

Deciphering Holocene sea-level history on the U.S. Gulf Coast; a high-resolution record from the Mississippi Delta: **Geological Society of America Bulletin**, 116(7-8), p. 1026-1039, illus. incl. sects., 3 tables, sketch map, 103 ref., August 2004. IGCP Project No. 495.

58005765

Dibner, V. D., editor and Fursenko, R. V., translator.

Geology of Franz Josef Land: **Meddelelser - Norsk Polarinstitutt**, 146, 190 p., illus. incl. strat. cols., sects., 10 tables, geol. sketch maps, 1998. ISBN: 82-7666-107-6.

58005766

Brooks, Courtney.

Storage capacity and groundwater chemistry of glacial till units in the Bighorn Mountains, Wyoming: 62 p., illus. incl. 2 tables, 14 ref., Master's, May 2000, Illinois State University, Normal, IL.

58005767

Williams, Thomas C.

Ground water quality and geologic controls along the buried Teays Valley, east-central Indiana: 94 p., illus., 30 ref., Master's, August 1995, Illinois State University, Normal, IL.

58005768

Freehan, Thomas J.

Relations between the directional fabric of glacial drift and anisotropic electrical resistivity: 176 p., illus., 35 ref., Master's, May 1996, Illinois State University, Normal, IL.

58005769

Wegmann, Jake.

A modeling approach to the investigation of ice falls on the Worthington Glacier, Alaska: 105 p., illus., 40 ref., Master's, 2000, University of Colorado, Boulder, CO.

58005770

Cohn, J. B.

The surface strain rate field at the Columbia Glacier calving margin: 49 p., illus., 41 ref., Master's, 2000, University of Colorado, Boulder, CO.

58005771

Costello, Daniel P.

Seismic and geomorphic investigations of Galena Creek rock glacier: 102 p., illus., 61 ref., Master's, 2000, University of Colorado, Boulder, CO.

58005772

Murzin, R. R. (MPR Rossii, Russian Federation).

Rezul'taty morskikh geologo-razvedochnykh rabot na kontinental'nom shel'fe, v mirovom okeane, Arktyke i Antarktike [Results of offshore exploration on the continental shelf, in the world ocean, Arctic and Antarctic]: **Mineral'nye Resursy Rossii; Ekonomika i Upravlenie**, 2003(1-2), p. 29-38 (English sum.), illus. incl. geol. sketch maps, 2003.

58005773

Schwarz, J. (Hamburgische Schiffbau-Versuchanstalt, Hamburg, Federal Republic of Germany) and Kloppenburg, M.

Untersuchung über das Widerstandsverhältnis zwischen Modell und Grossausführung eisbrechender Schiffe [Study of the similitude between models and full scale resistance tests on icebreakers]: **Berichte - Hamburgische Schiffbau-Versuchsanstalt GmbH**, Rep. No. E 82/76, 104 p. (English sum.), illus. incl. 2 tables, 19 ref., 1976. Appendix is published separately and cited as CRREL Acc. No. 58002540.

58005775

Lamb, Simon and Sington, David.

Earth story; the forces that have shaped our planet: Princeton University Press, Princeton, NJ, 240 p., illus., 21 ref., 2003. ISBN: 0-691-11662-8.

58005776

Burchell, Mark (University of Kent, Centre for Astrophysics and Planetary Sciences, Kent, United Kingdom); Johnson, Ellen and Grey, Ivan.

Estimating crater size for hypervelocity impacts on small icy bodies (e.g. comet nucleus): *in* Cratering in marine environments and on ice (Dypvik, Henning, editor; *et al.*), *in the collection* Impact studies. Springer-Verlag, Berlin, Federal Republic of Germany, p. 197-210, illus., 28 ref., 2004.

58005777

Mann, J. R. (University of Kent Canterbury, School of Physical Sciences, Kent, United Kingdom); Burchell, M. J.; Brandao, P.; Bunch, A. W. and Grey, I. D. S.

Survivability of bacteria in hypervelocity impacts on ice: *in* Cratering in marine environments and on ice (Dypvik, Henning, editor; *et al.*), *in the collection* Impact studies. Springer-Verlag, Berlin, Federal Republic of Germany, p. 211-221, illus. incl. 2 tables, 15 ref., 2004.

58005778

Leliwa-Kopystynski, Jacek (University of Warsaw, Institute of Geophysics, Warszawa, Poland) and Burchell, Mark J.

Impact cratering of icy and rocky targets in planetary sciences and in the laboratory: *in* Cratering in marine environments and on ice (Dypvik, Henning, editor; *et al.*), *in the collection* Impact studies. Springer-Verlag, Berlin, Federal Republic of Germany, p. 223-249, 7 tables, 72 ref., 2004.

58005779

Edgett, Kenneth S. (Malin Space Science Systems, San Diego, CA); Williams, Rebecca M. E.; Malin, Michael C.; Cantor, Bruce A. and Thomas, Peter C.
Mars landscape evolution; influence of stratigraphy on geomorphology in the north polar region: **Geomorphology**, 52(3-4), p. 289-297, illus., 29 ref., June 16, 2003.

58005780

Everest, Jeremy (University of Edinburgh, Department of Geography, Edinburgh, United Kingdom) and Bradwell, Tom.
Buried glacier ice in southern Iceland and its wider significance: **Geomorphology**, 52(3-4), p. 347-358, illus. incl. 1 table, sketch map, 40 ref., June 16, 2003.

58005781

Jorgenson, Torre (ABR, Fairbanks, AK) and Ely, Craig.
Topography and flooding of coastal ecosystems on the Yukon-Kuskokwim Delta, Alaska; implications for sea-level rise: **Journal of Coastal Research**, 17(1), p. 124-136, illus. incl. sects., 2 tables, sketch map, 34 ref., 2001.

58005782

Baillifard, François (CREALP, Research Center on Alpine Environment, Sion, Switzerland); Jaboyedoff, M. and Sartori, M.
Rockfall hazard mapping along a mountainous road in Switzerland using a GIS-based parameter rating approach: *in* Landslide risk assessment and mapping (Reichenbach, P., editor; *et al.*), **Natural Hazards and Earth System Sciences**, 3(5), p. 435-442, illus. incl. sketch maps, 39 ref., September 2003.

58005783

Klimenko, V. V. (Moscow Energy Institute, Moscow, Russian Federation) and Klimanov, V. A.
Cold climate of the Early Subatlantic Age in the Northern Hemisphere: **Doklady Earth Sciences**, 391A(6), p. 845-849, illus., 15 ref., August 2003.

58005784

Kotlyakov, V. M. (Russian Academy of Sciences, Institute of Geography, Moscow, Russian Federation) and Moskalevsky, M. Yu.
Discharge of grounded ice of the Antarctic ice sheet: **Doklady Earth Sciences**, 391A(6), p. 900-902, illus., 12 ref., August 2003.

58005785

Vakulenko, N. V. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Monin, A. S. and Sonechkin, D. M.
The key role of precession cycle modulation in the alternation of late Pleistocene glacial and interglacial epochs: **Doklady Earth Sciences**, 391A(6), p. 917-920, illus. incl. 1 table, 7 ref., August 2003.

58005786

Danilov, A. I. (State Federal Scientific Center, Arctic and Antarctic Research Institute, Saint Petersburg, Russian Federation); Ivanov, L. M.; Klepikov, A. V. and Margolina, T. M.

Variability of surface circulation in the Southern Ocean on the basis of FGGE drifting buoys: **Doklady Earth Sciences**, 391A(6), p. 850-853, illus., 15 ref., August 2003.

58005787

Kolesnikov, R. A. (Krasnoiarskii Gosudarstevnnyy Universitet, Krasnoiarsk, Russian Federation).

Svoistva Karginskogo paleopochvennogo kompleksa v pozdnepleistotsenovykh otlozheniakh Krasnoiarskoi kotloviny [Features of Karginskii paleosol complex in upper Pleistocene Krasnoiarsk Lowland deposits] [abstr.]: in Problemy geologii i osvloeniia nedr; trudy shestogo mezhdunarodnogo nauchnogo simposiuma im. akademika M. A. Usova studentov, aspirantov i molodykh uchenykh, posvyachennogo 100-letiiu so dnya rozhdeniya zasluzhennogo deiatatelya nauki RSFSR L. L. Khalfina i 30-letiiia provedeniiya molodezhnykh nauchnykh konferentsii im. akademika M. A. Usova (Berbenets, E. D., editor), Tomskii Politehnicheskii Universitet, Tomsk, Russian Federation, p. 106-107, 2002. Meeting: April 1-5, 2002, Tomsk, Russian Federation.

58005788

Pomeroy, John W.; Elder, Kelly and Klein, Andrew G., editors.

Eastern snow conference/western snow conference: **Hydrological Processes**, 18(6), p. 1051-1146, illus. incl. tables, sketch maps, April 30, 2004. Individual papers are cited separately; papers in this special issue were presented at the 60th eastern snow conference (ESC), Sherbrooke, Quebec, Canada, June 4-6, 2003 and the 71st western snow conference (WSC), Scottsdale, Arizona, USA, April 21-25, 2003.
publisher: <http://www.interscience.wiley.com>

58005789

Lee, Songweon (Texas A&M University, Department of Civil Engineering, College Station, TX); Klein, Andrew and Over, Thomas.

Effects of the El Niño-Southern Oscillation on temperature, precipitation, snow water equivalent and resulting streamflow in the Upper Rio Grande River basin: in Eastern snow conference/western snow conference (Pomeroy, John W., editor; *et al.*), **Hydrological Processes**, 18(6), p. 1053-1071, illus. incl. 3 tables, sketch maps, 23 ref., April 30, 2004.

58005790

Romanov, Peter (NOAA/NESDIS, Office of Research and Applications, Camp Springs, MD) and Tarpley, Dan.

Estimation of snow depth over open prairie environments using GOES imager observations: in Eastern snow conference/western snow conference (Pomeroy, John W., editor; *et al.*), **Hydrological Processes**, 18(6), p. 1073-1087, illus. incl. 1 table, sketch map, 29 ref., April 30, 2004.

58005791

Simic, Anita (Noetix Research, Ottawa, ON, Canada); Fernandes, Richard; Brown, Ross; Romanov, Peter and Park, William.

Validation of VEGETATION, MODIS, and GOES + SSM/I snow-cover products over Canada based on surface snow depth observations: in Eastern snow conference/western snow conference (Pomeroy, John W., editor; *et al.*), **Hydrological Processes**, 18(6), p. 1089-1104, illus., 29 ref., April 30, 2004.

58005792

Levia, Delphis F., Jr. (University of Delaware, Department of Geography & Center for Climatic Research, Newark, DE).

Differential winter stemflow generation under contrasting storm conditions in a southern New England broad-leaved deciduous forest: *in* Eastern snow conference/western snow conference (Pomeroy, John W., editor; *et al.*), **Hydrological Processes**, 18(6), p. 1105-1112, illus. incl. 4 tables, 33 ref., April 30, 2004.

58005793

Melloh, Rae A. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Hall, Tommie J. and Bailey, Ronald.

Radiation data corrections for snow-covered sensors; are they needed for snowmelt modelling?: *in* Eastern snow conference/western snow conference (Pomeroy, John W., editor; *et al.*), **Hydrological Processes**, 18(6), p. 1113-1126, illus. incl. 1 table, sketch map, 25 ref., April 30, 2004. CRREL Report No: ERDC/CRREL MP-04-6268

58005794

Langlois, A. (Université de Sherbrooke, Centre d'Applications et de Recherches en Télédétection, Sherbrooke, PQ, Canada); Royer, A.; Fillol, E.; Frigon, A. and Laprise, R.

Evaluation of the snow cover variation in the Canadian Regional Climate Model over Eastern Canada using passive microwave satellite data: *in* Eastern snow conference/western snow conference (Pomeroy, John W., editor; *et al.*), **Hydrological Processes**, 18(6), p. 1127-1138, illus. incl. 2 tables, 27 ref., April 30, 2004.

58005795

Pelto, Mauri S. (Nichols College, Department of Environmental Science, Dudley, MA) and Hartzell, Paula.

Change in longitudinal profile on three north Cascades glaciers during the last 100 years: *in* Eastern snow conference/western snow conference (Pomeroy, John W., editor; *et al.*), **Hydrological Processes**, 18(6), p. 1139-1146, illus. incl. 1 table, 20 ref., April 30, 2004.

58005796

Luce, Charles H. (U. S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Boise, ID) and Tarboton, David G.

The application of depletion curves for parameterization of subgrid variability of snow: *in* Scale and scaling in hydrology (Sivapalan, Murugesu, editor; *et al.*), **Hydrological Processes**, 18(8), p. 1409-1422, illus. incl. sketch map, 23 ref., June 15, 2004. *Meeting:* MODSIM 2001, international congress on Modelling and simulation, Dec. 10-13, 2001, Canberra, Australia.

58005797

Kokkonen, Teemu (Helsinki University of Technology, Laboratory of Water Resources, Espoo, Finland); Koivusalo, Harri; Karvonen, Tuomo; Croke, Barry and Jakeman, Anthony.

Exploring streamflow response to effective rainfall across event magnitude scale: *in* Scale and scaling in hydrology (Sivapalan, Murugesu, editor; *et al.*), **Hydrological Processes**, 18(8), p. 1467-1486, illus. incl. 7 tables, sketch maps, 41 ref., June 15, 2004. *Meeting:* MODSIM 2001, international congress on Modelling and simulation, Dec. 10-13, 2001, Canberra, Australia.

58005798

Negre, M. (Universita di Torino, Settore Chimica Agraria, Turin, Italy); Leone, P; Trichet, J.; Défarge, C.; Boero, V. and Gennari, M.

Characterization of model soil colloids by cryo-scanning electron microscopy: **Geoderma**, 121(1-2), p. 1-16, illus. incl. 1 table, 56 ref., July 2004.

58005799

Kuvaas, B. (University of Bergen, Institute of Geoscience, Bergen, Norway); Kristoffersen, Y.; Leitchenkov, G.; Guseva, J. and Gandjukhin, V.

Seismic expression of glaciomarine deposits in the eastern Riiser Larsen Sea, Antarctica: **Marine Geology**, 207(1-4), p. 1-15, sects., geol. sketch map, 37 ref., June 30, 2004.

58005800

O Cofaigh, Colm (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom); Dowdeswell, Julian A.; Evans, Jeffrey; Kenyon, Neil H.; Taylor, Justin; Mienert, Jürgen and Wilken, Manon.

Timing and significance of glacially influenced mass-wasting in the submarine channels of the Greenland Basin: **Marine Geology**, 207(1-4), p. 39-54, illus. incl. strat. cols., 2 tables, sketch map, 54 ref., June 30, 2004. *Pleistocene*

58005801

Lunt, I. A. (Binghamton University, Department of Geological Sciences, Binghamton, NY); Bridge, J. S. and Tye, R. S.

A quantitative, three-dimensional depositional model of gravelly braided rivers: **Sedimentology**, 51(3), p. 377-414, illus. incl. 3 tables, sects., sketch map, 126 ref., June 2004.

58005802

Lunt, I. A. (Binghamton University, Department of Geological Sciences, Binghamton, NY) and Bridge, J. S.

Evolution and deposits of a gravelly braid bar, Sagavanirktok River, Alaska: **Sedimentology**, 51(3), p. 415-432, illus. incl. 1 table, sects., sketch map, 39 ref., June 2004.

58005803

Lonne, Ida (University of Centre on Svalbard, Longyearbyen, Norway) and Nemec, W.

High-arctic fan delta recording deglaciation and environment disequilibrium: **Sedimentology**, 51(3), p. 553-589, illus. incl. 1 table, sects., sketch maps, 96 ref., June 2004.

58005804

Alikonis, Antanas (Vilnius Technical University, Vilnius, Lithuania); Simkus, Jonas and Stragys, Vincentas.

Geotechnical properties of glacial clay: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 1-6, 5 tables, 3 ref., 1995. *Meeting*: May 28-June 1 1995, Copenhagen, Denmark.

58005805

Czajka, Robert (University of Warsaw, Institute of Hydrogeology and Engineering Geology, Warsaw, Poland).

Changes in glaciolacustrine clays during loadings: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 79-84, illus. incl. 3 tables, 11 ref., 1995. *Meeting:* May 28-June 1 1995, Copenhagen, Denmark.

58005806

Dysli, Michel (Swiss Federal Institute of Technology, Soil Mechanics Laboratory, Lausanne, Switzerland).

Statistical analysis of glacial soils: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 103-108, illus. incl. 1 table, 9 ref., 1995. *Meeting:* May 28-June 1 1995, Copenhagen, Denmark.

58005807

Farrell, Eric (University of Dublin, Trinity College, Dublin, Ireland); Lehane, Barry; O'Brien, Susanne and Orr, Trevor.

Stiffness of Dublin Black Boulder Clay: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 109-114, illus. incl. 2 tables, 4 ref., 1995. *Meeting:* May 28-June 1 1995, Copenhagen, Denmark.

58005808

Fleureau, Jean-Marie (Ecole Centrale de Paris, Chatenay-Malabry, France); Kheirbek-Saoud, Siba; Indarto and Fry, Jean-Jacques.

Chemins de drainage-humidification de 2 sols grossiers compactés [Drying-wetting paths on two compacted coarse soils]: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 115-120 (English sum.), illus. incl. 1 table, 5 ref., 1995. *Meeting:* May 28-June 1 1995, Copenhagen, Denmark.

58005809

Pininska, Joanna (Warsaw University, Faculty of Geology, Warsaw, Poland) and Wysokinski, Lech.

Geomechanical properties of glacial boulder clay in Poland: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 205-210, illus. incl. 2 tables, sects., 5 ref., 1995. *Meeting:* May 28-June 1 1995, Copenhagen, Denmark.

58005810

Ravaska, Olli (University of Oulu, Oulu, Finland) and Putula, Vesa.

Effect of drainage on the bearing capacity of peat: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 223-226, illus. incl. 2 tables, 3 ref., 1995. *Meeting:* May 28-June 1 1995, Copenhagen, Denmark.

58005811

Sandven, Rolf (Norwegian Institute of Technology, Trondheim, Norway); Larsen, Eiliv; Hernes, Sigrun and Heyerdahl, Hakon.

Stress history of Quaternary deposits by oedometer tests: *in* The interplay between geotechnical engineering and engineering geology; proceedings of the Eleventh European conference on Soil mechanics and foundation engineering; XI ECSMFE; Volume 1, Measurement of soil/soft rock properties, **DGF-Bulletin**, 11, Vol. 1, p. 227-233, illus. incl. strat. cols., sketch map, 5 ref., 1995. *Meeting:* May 28-June 1 1995, Copenhagen, Denmark.

58005812

Gaur, M. P.; Asthana, R. and Dharwadkar, Amit.

Geology of the southern Zweissel Mountains, central Dronning Maud Land, East Antarctica [abstr.]: *in* Extended abstracts of progress reports of the Central Headquarters, Antarctica Division, Bhutan Unit, Airborne Mineral Surveys and Exploration Wing, Coal Wing, Marine Wing and Training Institute for the field season 1998-99 (Gupta, Arindam, editor; *et al.*), **Records of the Geological Survey of India**, 133, Part 2, p. 71-73, illus. incl. geol. sketch maps, 1999.

58005813

Gaur, M. P.; Asthana, R. and Dharwadkar, Amit.

Glaciological studies carried out during XVIII Indian Antarctic Expedition [abstr.]: *in* Extended abstracts of progress reports of the Central Headquarters, Antarctica Division, Bhutan Unit, Airborne Mineral Surveys and Exploration Wing, Coal Wing, Marine Wing and Training Institute for the field season 1998-99 (Gupta, Arindam, editor; *et al.*), **Records of the Geological Survey of India**, 133, Part 2, p. 74-77, illus. incl. geol. sketch map, 1999.

58005817

Bae, Yoon-Shin (Utah State University, Civil and Environmental Engineering, Logan, UT).

The use of free-free resonant column (FF-RC) test to evaluate the effects of freezing and thawing cycles on soil samples [abstr.]: *in* Proceedings of the 38th symposium on Engineering geology and geotechnical engineering; Bridge between theory and practice (Elfass, Sherif, editor; *et al.*), **Proceedings of the Symposium on Engineering Geology and Geotechnical Engineering**, 38, p. 107, 2003. *Meeting:* March 19-21, 2003, Reno, NV.

58005818

Marescot, Laurent (Université de Lausanne, Institut de Géophysique, Lausanne, Switzerland); Liaci, Sandro and Chapellier, Dominique.

Etude géoélectrique des cours d'eau interglaciaires à l'ouest de la ville de Fribourg (Suisse) [Electrical surveys of interglacial streams west of Fribourg, Switzerland]: **Eclogae Geologicae Helvetiae**, 96(2), p. 261-273 (English sum.), illus. incl. strat. cols., sects., geol. sketch maps, 21 ref., 2003.

58005819

Oberholzer, Peter (Swiss Federal Institute of Technology, Laboratory of Hydraulics, Hydrology and Glaciology, Zurich, Switzerland); Vonder Mühll, Daniel and Ansorge, Jörg.
Shallow structure of the lower Rossboden Glacier and its moraine dam (Valais, Swiss Alps): **Eclogae Geologicae Helvetiae**, 96(2), p. 299-312 (German sum.), illus. incl. 4 tables, sketch map, 34 ref., 2003.

58005820

Elyard, David, editor.

Weather: Barnes & Noble, New York, NY, 64 p., illus., 2003. ISBN: 0-7607-4639-7. Includes glossary.

58005821

Abyzov, S. S.; Bobin, N. E. and Koudriashov, B. B.

Microbiological flora as a function of ice depth in central Antarctica: **Life Sciences and Space Research**, 17, p. 99-103, 1979.

58005822

Richards, Phil (British Geological Survey, Edinburgh, United Kingdom) and Fannin, Nigel.
The Falkland Islands; interpreting offshore petroleum data: **Earthwise (Keyworth)**, 7, p. 20-21, sect., geol. sketch map, September 1995.

58005823

Langford, Harry E. (Anglia Polytechnic University, Geography Department, Cambridge, United Kingdom).

Time for a more open-minded approach to the study of British middle Pleistocene deposits?: **Quaternary Newsletter**, 96, p. 12-27, illus., 67 ref., February 2002.

58005824

Briant, Becky (University of Cambridge, Department of Geography, Cambridge, United Kingdom).

The Quaternary of east Yorkshire and north Lincolnshire: **Quaternary Newsletter**, 96, p. 38-42, illus., February 2002.

58005825

Chyba, Christopher F. (SETI Institute, Center for the Study of Life in the Universe, Mountain View, CA) and Phillips, Cynthia B.

Europa as an abode of life: **Origins of Life and Evolution of the Biosphere**, 32(1), p. 47-68, illus., 100 ref., February 2002.

58005826

Pakhomov, E. A. (University of Fort Hare, Zoology Department, Alice, South Africa); Ansorge, I. J.; Kaehler, S.; Vumazonke, L. U.; Gulekana, K.; Bushula, T.; Balt, C.; Paul, D.; Hargey, N.; Stewart, H.; Chang, N.; Furno, L.; Mkatshwa, S.; Visser, C.; Lutjeharms, J. R. E. and Hayes-Foley, P.

Studying the impact of ocean eddies on the ecosystem of the Prince Edward Islands; DEIMEC II: **South African Journal of Science**, 99(5-6), p. 187-190, illus. incl. sketch map, 11 ref., June 2003.

58005827

Kulkarni, Anil V. (Space Applications Centre, Marine and Water Resources Group, Ahmedabad, India) and Alex, Suja.

Estimation of recent glacial variations in Baspa Basin using remote sensing technique:
Photonirvachak (Dehra Dun), 31(2), p. 81-90, illus. incl. 2 tables, sketch maps, 19 ref., June 2003.

58005828

Jain, Sanjay K. (National Institute of Hydrology, Roorkee, India) and Chaudhry, Anju.

Snow and forest cover assessment of Uttaranachal State using IRS 1C WiFS data:

Photonirvachak (Dehra Dun), 31(2), p. 91-99, illus. incl. 1 table, sketch map, 8 ref., June 2003.

58005829

Agrell, Harald (Sveriges Geologiska Undersökning, Uppsala, Sweden) and Mikko, Henrik.
Beskrivning till jordartskartan 12H Söderfors SV [Description to the Quaternary map 12H
Söderfors SV]: **Sveriges Geologiska Undersökning. Serie Ae: Jordartsgeologiska Kartblad Skala 1:50 000**, 154, 54 p. (English sum.), illus. incl. sect., 1 table, sketch map, 33 ref., 2003.
ISBN: 91-7158-682-2.

58005830

Hasegawa, Hirohiko (Meiji University, Japan).

Glacial topography in the vicinity of Oobloyah Bay, Ellesmere Island: **AERC Newsletter**, 8, p. 8-9, illus. incl. sketch map, 2 ref., July 2003.

58005831

Kojima, Satoru (Tokyo Women's Christian University, Tokyo, Japan).

Characteristics of the Ny-Alesund terrestrial ecosystem as seen from vegetation: **AERC Newsletter**, 8, p. 10-11, illus., July 2003.

58005832

Streif, Hansjörg (Niedersächsisches Landesamt für Bodenforschung, Hanover, Federal Republic of Germany).

Sedimentary record of Pleistocene and Holocene marine inundations along the North Sea Coast of Lower Saxony, Germany: *in* Geological processes and human interaction on the German North Sea Coast (Streif, Hansjörg, editor), **Quaternary International**, 112, p. 3-28, illus. incl. 1 table, sects., geol. sketch maps, 104 ref., 2004.

58005833

Wenzens, G. (University of Duseldorf, Department of Geography, Dusseldorf, Federal Republic of Germany).

Modeling the inception of the Patagonian icesheet; discussion: *in* Geological processes and human interaction on the German North Sea Coast (Streif, Hansjörg, editor), **Quaternary**

International, 112, p. 105-109, geol. sketch map, 14 ref., 2004. For reference to original see Sugden, D. E., et al., *Quat. Int.*, Vol. 95-96, p. 55-64, 2002.

58005834

Chung, Hosung (Korea Polar Research Institute, Seoul, South Korea); Lee, Bang Yong; Chang, Soon-Keun; Kim, Ji Hee and Kim, Yeadong.

Ice cliff retreat and sea-ice formation observed around King Sejong Station in King George Island, West Antarctica: **Ocean and Polar Research**, 26(1), p. 1-10, (Korean) (English sum.), illus. incl. 4 tables, sketch map, 18 ref., March 2004.

58005835

Kim, Ji Hee (Korea Polar Research Institute, Seoul, South Korea) and Chung, Hosung.

Distribution pattern of *Deschampsia antarctica*, a flowering plant newly colonized around King Sejong Station in Antarctica: **Ocean and Polar Research**, 26(1), p. 23-32, (Korean) (English sum.), illus. incl. 2 tables, sketch map, 28 ref., March 2004.

58005836

Lee, Yoo Kyung (Korea Polar Research Institute, NRL for Marine Microbial Diversity, Seoul, South Korea); Kim, Hyo Won; Cho, Kyeung Hee; Kang, Sung-Ho; Lee, Hong Kum and Kim, Yeadong.

Phylogenetic analysis of culturable Arctic bacteria: **Ocean and Polar Research**, 26(1), p. 51-58, illus. incl. 1 table, 47 ref., March 2004.

58005837

Chang, Soon-Keun (Korea Polar Research Institute, Seoul, South Korea).

Preliminary report on the ecology of the penguins observed in the cold years and a less cold year in the vicinity of King Sejong Station, King George Island off the Antarctic Peninsula: **Ocean and Polar Research**, 26(1), p. 87-101, (Korean) (English sum.), illus. incl. 2 tables, sketch map, 29 ref., March 2004.

58005838

Camoin, G. F. (CEREGE, Aix-en-Provence, France); Montaggioni, L. F. and Braithwaite, C. J. R.

Late glacial to post glacial sea levels in the western Indian Ocean: **Marine Geology**, 206(1-4), p. 119-146, May 31, 2004.

58005839

Simstich, Johannes (Christian Albrechts University at Kiel, Leibniz Institute of Marine Sciences, Kiel, Federal Republic of Germany); Stanovoy, Vladimir; Bauch, Dorothea; Erlenkeuser, Helmut and Spielhagen, Robert F.

Holocene variability of bottom water hydrography on the Kara Sea shelf (Siberia) depicted in multiple single-valve analyses of stable isotopes in ostracods: **Marine Geology**, 206(1-4), p. 147-164, illus. incl. 2 tables, sketch map, 66 ref., May 31, 2004.

58005840

O'Neill, Dan.

The last giant of Beringia; the mystery of the Bering Land Bridge: Westview Press, Boulder, CO, 231 p., illus., 153 ref., 2004. ISBN: 0-8133-4197-3.

58005841

Luhr, James F., editor (Smithsonian Institution, Washington, DC).

Earth: Dorling Kindersley Publishing, New York, NY, 520 p., illus., 2003. ISBN: 0-7894-9643-7.

Includes glossary.

publisher: <http://www.dk.com>

58005842

Corbett, W. M. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom).

Norfolk soils and soil maps: **Bulletin of the Geological Society of Norfolk**, 48, p. 27-44, illus. incl. sketch maps, 24 ref., 1999, [1998].

58005843

Briant, R. M. (University of London, Department of Geography, Egham, United Kingdom); Rose, J.; Branch, N. P. and Lee, J. A.

“Pre-glacial” Quaternary sediments from Trimingham, north Norfolk, England: **Bulletin of the Geological Society of Norfolk**, 49, p. 15-47, illus. incl. strat. cols., 3 tables, sketch maps, 48 ref., 1999.

58005869

Boe, Karin (University of Oslo, Department of Geology, Oslo, Norway) and Stabell, Bjorg.

Postglacial changes in the groundwater table at Gardermoen, Norway interpreted from diatom analysis: **Norsk Geologisk Tidsskrift**, 81(3), p. 235-244, illus. incl. 2 tables, geol. sketch map, 29 ref., 2001.

58005870

Land, David (Lothian and Borders RIGS Group, United Kingdom).

The international significance of Agassiz Rock: **The Edinburgh Geologist**, 37, p. 3-5, 2001.

58005871

Marren, Philip M. (Keele University, School of Earth Sciences and Geography, Keele, United Kingdom).

Sedimentology of proglacial rivers in eastern Scotland during the late Devensian: **Transactions of the Royal Society of Edinburgh: Earth Sciences**, 92, Part 2, p. 149-171, illus. incl. sects., 3 tables, sketch maps, 61 ref., 2001.

58005872

Stein, Ruediger and Stepanets, Oleg V., editors.

Scientific cruise report of the Kara-Sea expedition 2001 of RV “Akademik Boris Petrov”; the German-Russian Project on Siberian river run-off (SIRRO) and the EU Project “ESTABLISH”:

Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research, 419, 278 p., illus., 2002. Individual papers within scope are cited separately.

58005873

Kodina, L. A. (Russian Academy of Sciences, V. I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Moscow, Russian Federation).

Carbon isotope composition of phytoplankton in the Yenisei river-estuary-open sea system and the application of isotopic approach for evaluation of phytoplankton contribution to the Yenisei POC load: *in* Scientific cruise report of the Kara-Sea expedition 2001 of RV "Akademik Boris Petrov"; the German-Russian Project on Siberian river run-off (SIRRO) and the EU Project "ESTABLISH" (Stein, Ruediger, editor; *et al.*), **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 419, p. 143-150, 2002.

58005874

Stepanets, Oleg V. (Russian Academy of Sciences, Vernadsky Institute of Geochemistry and Analytical Chemistry, Moscow, Russian Federation); Borisov, A. P.; Ligaev, A. N.; Solovjeva, G. Yu.; Sisov, E. M. and Komarevsky, V. M.

Anthropogenic pollution of the Kara Sea and estuaries of the Yenisei and Ob rivers based on data of the 2001 and 2000 cruises: *in* Scientific cruise report of the Kara-Sea expedition 2001 of RV "Akademik Boris Petrov"; the German-Russian Project on Siberian river run-off (SIRRO) and the EU Project "ESTABLISH" (Stein, Ruediger, editor; *et al.*), **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 419, p. 180-190, illus. incl. tables, 2002.

58005875

Sickel, M. A. K. (Norwegian Radiation Protection Authority, Osteras, Norway); Lind, O. C.; Brown, J. and Gerland, S.

Studies on plutonium speciation and radionuclide concentrations in the Ob and Yenisei Estuaries and the Kara Sea under the EU Project ESTABLISH: *in* Scientific cruise report of the Kara-Sea expedition 2001 of RV "Akademik Boris Petrov"; the German-Russian Project on Siberian river run-off (SIRRO) and the EU Project "ESTABLISH" (Stein, Ruediger, editor; *et al.*), **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 419, p. 191-194, illus. incl. 2 tables, 2002.

58005876

Stroeven, Arjen P. (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden); Fabel, Derek and Marshall, Shawn J., editors.

Inceptions; mechanisms, patterns and timing of ice sheet inception: **Quaternary International**, 95-96, 211 p., illus. incl. tables, sketch map, September 2002. Meeting: June 17-21, 2001, Idre Mountain Station, Sweden. Individual papers are cited separately.

58005877

Oerlemans, J. (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands).

On glacial inception and orography: *in* Inceptions; mechanisms, patterns and timing of ice sheet inception (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 5-10, illus., 14 ref., September 2002. Meeting: June 17-21, 2001, Idre Mountain Station, Sweden.

58005878

Bintanja, R. (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands); van de Wal, R. S. W. and Oerlemans, J.

Global ice volume variations through the last glacial cycle simulated by a 3-D ice-dynamical model: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 11-23, illus. incl. 3 tables, sketch map, 34 ref., September 2002. *Meeting:* June 17-21, 2001, Idre Mountain Station, Sweden.

58005879

Dahlgren, K. I. Torbjorn (University of Tromso, Department of Geology, Tromso, Norway); Vorren, Tore O. and Laberg, Jan Sverre.

The role of grounding-line sediment supply in ice-sheet advances and growth on continental shelves; an example from the mid-Norwegian sector of the Fennoscandian ice sheet during the Saalian and Weichselian: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 25-33, illus. incl. sketch map, 42 ref., September 2002. *Meeting:* June 17-21, 2001, Idre Mountain Station, Sweden.

58005880

Jansson, Peter (Stockholm University, Department of Physical Geography and Quaternary Geology, SE-106 91, Stockholm, Sweden) and Fredin, Ola.

Ice sheet growth under dirty conditions; implications of debris cover for early glaciation advances: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 35-42, illus. incl. sketch map, 60 ref., September 2002. *Meeting:* June 17-21, 2001, Idre Mountain Station, Sweden.

58005881

Kenneally, James P. (University of Maine, Department of Physics, Orono, ME) and Hughes, Terence J.

The calving constraints on inception of Quaternary ice sheets: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 43-53, illus., 51 ref., September 2002. *Meeting:* June 17-21, 2001, Idre Mountain Station, Sweden.

58005882

Sugden, David E. (University of Edinburgh, Department of Geography, Edinburgh, United Kingdom); Hulton, Nicholas R. J. and Purves, Ross S.

Modelling the inception of the Patagonian icesheet: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 55-64, illus. incl. sketch map, 36 ref., September 2002. *Meeting:* June 17-21, 2001, Idre Mountain Station, Sweden.

58005883

Johnson, Jesse (University of Maine, Institute for Quaternary and Climate Studies, Orono, ME) and Fastook, James L.

Northern Hemisphere glaciation and its sensitivity to basal melt water: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 65-74, illus. incl. 1 table, sketch map, 23 ref., September 2002. *Meeting:* June 17-21, 2001, Idre Mountain Station, Sweden.

58005884

Hemming, Sidney R. (Lamont-Doherty Earth Observatory, Palisades, NY); Vorren, Tore O. and Kleman, Johan.

Provinciality of ice rafting in the North Atlantic; application of $^{40}\text{Ar}/^{39}\text{Ar}$ dating of individual ice rafted hornblende grains: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 75-85, illus. incl. 1 table, sketch map, 61 ref., September 2002. *Meeting*: June 17-21, 2001, Idre Mountain Station, Sweden.

58005885

Kleman, Johan (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden); Fastook, James L. and Stroeven, Arjen P.

Geologically and geomorphologically constrained numerical model of Laurentide ice sheet inception and build-up: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 87-98, illus. incl. sketch maps, 47 ref., September 2002. *Meeting*: June 17-21, 2001, Idre Mountain Station, Sweden.

58005886

Fredin, Ola (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden).

Glacial inception and Quaternary mountain glaciations in Fennoscandia: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 99-112, illus. incl. 1 table, sketch maps, 198 ref., September 2002. *Meeting*: June 17-21, 2001, Idre Mountain Station, Sweden.

58005887

Bromwich, David H. (Ohio State University, Byrd Polar Research Center, Columbus, OH); Toracinta, E. Richard and Wang, Sheng-Hung.

Meteorological perspective on the initiation of the Laurentide ice sheet: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 113-124, illus. incl. 1 table, sketch maps, 36 ref., September 2002. *Meeting*: June 17-21, 2001, Idre Mountain Station, Sweden.

58005888

Marshall, Shawn J. (University of Calgary, Department of Geography, Calgary, AB, Canada).

Modelled nucleation centres of the Pleistocene ice sheets from an ice sheet model with subgrid topographic and glaciologic parameterizations: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 125-137, illus. incl. 3 tables, 32 ref., September 2002. *Meeting*: June 17-21, 2001, Idre Mountain Station, Sweden.

58005889

Novothny, Agnes (Eotvos Lorand University, Department of Physical Geography Pazmany Peter Setany, Budapest, Hungary); Horvath, Erzsebet and Frechen, Manfred.

The loess profile at Albertirsa, Hungary; improvements in loess stratigraphy by luminescence dating: *in Inceptions; mechanisms, patterns and timing of ice sheet inception* (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 155-163, illus. incl. 2 tables, sketch map, 24 ref., September 2002. *Meeting*: June 17-21, 2001, Idre Mountain Station, Sweden.

58005890

Vogt, T. (Ecole et Observatoire des Sciences de la Terre, Centre de Géochimie de la Surface, Strasbourg, France) and Larqué, P.

Clays and secondary minerals as permafrost indicators; examples from the Circum-Baikal region: *in* Inceptions; mechanisms, patterns and timing of ice sheet inception (Stroeven, Arjen P., editor; *et al.*), **Quaternary International**, 95-96, p. 175-187, illus. incl. 1 table, sketch map, 40 ref., September 2002. *Meeting:* June 17-21, 2001, Idre Mountain Station, Sweden.

58005891

Hurrell, James W. (National Center for Atmospheric Research, Boulder, CO); Kushnir, Yochanan; Ottersen, Geir and Visbeck, Martin, editors.

The North Atlantic Oscillation; climatic significance and environmental impact: **Geophysical Monograph**, 134, 279 p., illus. incl. tables, sketch map, 2003. ISBN: 0-87590-994-9. Individual papers within scope are cited separately.

58005892

Hurrell, James W. (National Center for Atmospheric Research, Boulder, CO); Kushnir, Yochanan; Ottersen, Geir and Visbeck, Martin.

An overview of the North Atlantic Oscillation: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 1-35, illus. incl. sketch map, 200 ref., 2003.

58005893

Stephenson, David B. (University of Reading, Department of Meteorology, Reading, United Kingdom); Wanner, Heinz; Brönnimann, Stefan and Luterbacher, Jürg.

The history of scientific research on the North Atlantic Oscillation: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 37-50, illus. incl. sketch maps, 116 ref., 2003.

58005894

Jones, Philip D. (University of East Anglia, Climate Research Unit, Norwich, United Kingdom); Osborn, Timothy J. and Briffa, Keith R.

Pressure-based measures of the North Atlantic Oscillation (NAO); a comparison and an assessment of changes in the strength of the NAO and in its influence on surface climate parameters: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 51-62, illus. incl. 3 tables, sketch maps, 37 ref., 2003.

58005895

Cook, Edward R. (Lamont-Doherty Earth Observatory, Palisades, NY).

Multi-proxy reconstructions of the North Atlantic Oscillation (NAO) index; a critical review and a new well-verified winter NOA index reconstruction back to AD 1400: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 63-79, illus., 54 ref., 2003.

58005896

Thompson, David W. J. (Colorado State University, Department of Atmospheric Science, Fort Collins, CO); Lee, Sukyoung and Baldwin, Mark P.

Atmospheric processes governing the North Hemisphere annular mode/North Atlantic Oscillation: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 81-112, illus. incl. sketch map, 141 ref., 2003.

58005897

Visbeck, Martin (Lamont-Doherty Earth Observatory, Department of Earth and Environmental Sciences, Palisades, NY); Chassignet, Eric P.; Curry, Ruth G.; Delworth, Thomas L.; Dickson, Robert R. and Krahmann, Gerd.

The ocean's response to North Atlantic Oscillation variability: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 113-145, illus. incl. 1 table, sketch map, 57 ref., 2003.

58005898

Czaja, Arnaud (Massachusetts Institute of Technology, Department of Earth, Atmospheric and Planetary Sciences, Cambridge, MA); Robertson, Andrew W. and Huck, Thierry.

The role of Atlantic Ocean-atmosphere coupling in affecting North Atlantic Oscillation variability: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 147-172, illus. incl. sketch maps, 53 ref., 2003.

58005899

Rodwell, Mark J. (Hadley Centre, Met Office, Bracknell, United Kingdom).

On the predictability of North Atlantic climate: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 173-192, illus., 83 ref., 2003.

58005900

Gillett, Nathan P. (University of Victoria, School of Earth and Ocean Sciences, Victoria, BC); Graf, Hans F. and Osborn, Tim J.

Climate change and the North Atlantic Oscillation: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 193-209, illus. incl. 1 table, 90 ref., 2003.

58005901

Drinkwater, Kenneth F. (Bedford Institute of Oceanography, Department of Fisheries and Oceans, Dartmouth, NS, Canada); Belgrano, Andrea; Borja, Angel; Conversi, Alessandra; Edwards, Martin; Greene, Charles H.; Ottersen, Geir; Pershing, Andrew J. and Walker, Henry.

The response of marine ecosystems to climate variability associated with the North Atlantic Oscillation: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 211-234, illus., 156 ref., 2003.

58005902

Mysterud, Atle (University of Oslo, Department of Biology, Oslo, Norway); **Stenseth, Nils C.**; **Yoccoz, Nigel G.**; **Ottersen, Geir** and **Langvatn, Rolf**.

The response of terrestrial ecosystems to climate variability associated with the North Atlantic Oscillation: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 235-262, illus., 175 ref., 2003.

58005903

Straile, Dietmar (University of Konstanz, Limnological Institute, Konstanz, Federal Republic of Germany); **Livingstone, David M.**; **Weyhenmeyer, Gesa A.** and **George, D. Glen**.

The response of freshwater ecosystems to climate variability associated with the North Atlantic Oscillation: *in* The North Atlantic Oscillation; climatic significance and environmental impact (Hurrell, James W., editor; *et al.*), **Geophysical Monograph**, 134, p. 263-299, illus. incl. sketch map, 97 ref., 2003.

58005904

Klanderud, Kari (Agricultural University of Norway, Department of Biology and Nature Conservation, As, Norway) and **Birks, H. J. B.**

Recent increases in species richness and shifts in altitudinal distributions of Norwegian mountain plants: **The Holocene**, 13(1), p. 1-6, illus. incl. sketch map, 34 ref., 2003.

58005905

Wolfe, Alexander P. (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada).

Diatom community responses to late-Holocene climatic variability, Baffin Island, Canada; a comparison of numerical approaches: **The Holocene**, 13(1), p. 29-37, illus. incl. 1 table, sketch map, 64 ref., 2003.

58005906

Winkler, Stefan (University of Würzburg, Department of Geography, Wurzburg, Federal Republic of Germany).

A new interpretation of the date of the “Little Ice Age” glacier maximum at Svartisen and Okstindan, Northern Norway: **The Holocene**, 13(1), p. 83-95, illus. incl. 11 tables, sketch maps, 64 ref., 2003.

58005907

Nesje, Atle (University of Bergen, Department of Geology, Bergen, Norway) and **Dahl, Svein Olaf**.

The “Little Ice Age”; only temperature?: **The Holocene**, 13(1), p. 139-145, illus., 59 ref., 2003.

58005908

Li Zhijun (Dalian University of Technology, State Key Laboratory of Coastal and Offshore Engineering, Dalian, China); **Kang Jiancheng** and **Pu Yibin**.

Fabric and crystal characteristics of Bohai and Arctic sea ice: **Chinese Journal of Polar Science**, 13(1), p. 23-28, illus., 10 ref., June 2002.

58005909

Yin Mingduan (State Oceanographic Academy, Third Institute of Oceanography, Xiamen, China); Zeng Xianzhang; Zeng Wenyi; Wu Shyan and Shi Chuntan.

Oxygen isotopic composition and its application to the study of tracing oceanographical process in Bering Sea and Chukchi Sea: **Chinese Journal of Polar Science**, 13(1), p. 37-46, illus., 21 ref., June 2002.

58005910

Hall, C. M. (Tromso Geophysical Observatory, Tromso, Norway); Husoy, B. O.; Aso, T. and Tsutsumi, M.

The Nippon/Norway Svalbard meteor radar; first results of small-scale structure observations: **Chinese Journal of Polar Science**, 13(1), p. 47-54, illus. incl. 1 table, 13 ref., June 2002.

58005911

Sigernes, F. (University Courses on Svalbard, Longyearbyen, Svalbard and Jan Mayen Islands); Svenoe, T. and Deehr, C. S.

The Auroral Station in Adventdalen, Svalbard: **Chinese Journal of Polar Science**, 13(1), p. 67-74, illus., 17 ref., June 2002.

58005912

Zhou Libo (Chinese Academy of Sciences, Institute of Atmospheric Physics, Beijing, China); Liu Yu and Zou Han.

Vertical characteristics of ozone variation over the Arctic Chukchi Sea region in 1999: **Chinese Journal of Polar Science**, 13(1), p. 75-82, illus., 15 ref., June 2002.

58005913

Liu Yu (Chinese Academy of Sciences, Institute of Atmospheric Physics, Beijing, China); Zhou Libo and Zou Han.

A temperature inversion in "Chinese Arctic Research Expedition 1999": **Chinese Journal of Polar Science**, 13(1), p. 83-88, illus., 20 ref., June 2002.

58005914

Benestad, Rasmus E. (Norwegian Meteorological Institute, Oslo, Norway).

Empirically downscaled multimodel ensemble temperature and precipitation scenario for Norway: **Journal of Climate**, 15(21), p. 3008-3027, illus. incl. 2 tables, 71 ref., November 1, 2002.

58005915

Miller, James R. (Rutgers University, Department of Marine and Coastal Sciences, New Brunswick, NJ) and Russell, Gary.

Projected impact of climate change on the energy budget of the Arctic Ocean by a global climate model: **Journal of Climate**, 15(21), p. 3028-3042, illus. incl. 6 tables, 36 ref., November 1, 2002. Includes appendix.

58005916

Hall, Alex (University of California at Los Angeles, Department of Atmospheric Sciences, Los Angeles, CA) and Visbeck, Martin.

Synchronous variability in the Southern Hemisphere atmosphere, sea ice, and ocean resulting from the annular mode: **Journal of Climate**, 15(21), p. 3043-3057, illus. incl. 1 table, 27 ref., November 1, 2002.

58005917

Renwick, James A. (National Institute of Water and Atmospheric Research, Wellington, New Zealand).

Southern Hemisphere circulation and relations with sea ice and sea surface temperature: **Journal of Climate**, 15(21), p. 3058-3068, illus. incl. sketch map, 29 ref., November 1, 2002.

58005918

Reichert, B. K. (Max Planck Institute for Meteorology, Hamburg, Federal Republic of Germany); Bengtsson, L. and Oerlemans, J.

Recent glacier retreat exceeds internal variability: **Journal of Climate**, 15(21), p. 3069-3081, illus. incl. 2 tables, 38 ref., November 1, 2002.

58005919

Tuomenvirta, Heikki (Finnish Meteorological Institute, Helsinki, Finland).

Homogeneity testing and adjustment of climatic time series in Finland: **Geophysica**, 38(1-2), p. 15-41, illus. incl. 2 tables, sketch map, 43 ref., 2002. Includes appendix.

58005920

Niros, Antonios (Finnish Institute of Marine Research, Helsinki, Finland); Vihma, Timo and Launiainen, Jouko.

Marine meteorological conditions and air-sea exchange processes over the northern Baltic Sea in 1990s: **Geophysica**, 38(1-2), p. 59-87, illus. incl. 1 table, 37 ref., 2002.

58005921

Erm, A. (Tallin Technical University, Marine Systems Institute, Tallinn, Estonia); Arst, H.; Noges, P.; Noges, T.; Reinart, A. and Sipelgas, L.

Temporal variations in bio-optical properties of four north Estonian lakes in 1999-2000: **Geophysica**, 38(1-2), p. 89-111, illus. incl. 3 tables, 85 ref., 2002.

58005922

Herlevi, Antti (University of Helsinki, Department of Physical Sciences, Helsinki, Finland).

A study of scattering, backscattering and a hyperspectral reflectance model for boreal waters: **Geophysica**, 38(1-2), p. 113-132, illus. incl. 3 tables, 30 ref., 2002.

58005923

Shin, S. I. (University of Wisconsin-Madison, Department of Atmospheric and Oceanic Sciences, Madison, WI); Liu, Z.; Otto-Bliesner, B.; Brady, E. C.; Kutzbach, J. E. and Harrison, S. P.

A simulation of the last glacial maximum climate using the NCAR-CCSM: **Climate Dynamics**, 20(2-3), p. 127-151, illus. incl. 5 tables, sketch maps, 107 ref., January 2003. Includes appendix.

58005924

Molteni, F. (Abdus Salam International Centre for Theoretical Physics, Trieste, Italy).

Atmospheric simulations using a GCM with simplified physical parameterization; I, Model climatology and variability in multi-decadal experiments: **Climate Dynamics**, 20(2-3), p. 175-191, illus., 25 ref., January 2003.

58005925

Claquin, T. (l'Orme des Merisiers, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); **Roelandt, C.**; **Kohfeld, K. E.**; **Harrison, S. P.**; **Tegen, I.**; **Prentice, I. Colin**; **Balkanski, Y.**; **Bergametti, G.**; **Hansson, M.**; **Mahowald, N.**; **Rodhe, H.** and **Schulz, M.**

Radiative forcing of climate by ice-age atmospheric dust: **Climate Dynamics**, 20(2-3), p. 193-202, illus. incl. 1 table, 69 ref., January 2003.

58005926

Hewitt, Chris D. (Hadley Centre for Climate Prediction and Research, Met Office, Bracknell, United Kingdom); **Stouffer, R. J.**; **Broccoli, A. J.**; **Mitchell, J. F. B.** and **Valdes, Paul J.**

The effect of ocean dynamics in a coupled GCM simulation of the last glacial maximum: **Climate Dynamics**, 20(2-3), p. 203-218, illus. incl. sketch maps, 53 ref., January 2003. Includes appendix.

58005927

D'Arriago, R. (Lamont-Doherty Earth Observatory, Tree-Ring Laboratory, Palisades, NY); **Buckley, B.**; **Kaplan, S.** and **Woollett, J.**

Interannual to multidecadal modes of Labrador climate variability inferred from tree rings: **Climate Dynamics**, 20(2-3), p. 219-228, illus. incl. sketch map, 65 ref., January 2003.

58005928

Rohling, E. J. (Southampton Oceanography Centre, Southampton, United Kingdom); **Mayewski, P. A.** and **Challenor, P.**

On the timing and mechanism of millennial-scale climate variability during the last glacial cycle: **Climate Dynamics**, 20(2-3), p. 257-267, illus. incl. 1 table, 89 ref., January 2003.

58005929

Gerber, S. (University of Bern, Physical Institute, Climate and Environmental Physics, Bern, Switzerland); **Joos, F.**; **Brügger, P.**; **Stocker, T. F.**; **Mann, M. E.**; **Sitch, S.** and **Scholze, M.**

Constraining temperature variations over the last millennium by comparing simulated and observed atmospheric CO₂: **Climate Dynamics**, 20(2-3), p. 281-299, illus. incl. 2 tables, 101 ref., January 2003.

58005930

Renssen, H. (Vrije Universiteit Amsterdam, Netherlands Centre for Geo-Ecological Research, Amsterdam, Netherlands) and **Bogaart, P. W.**

Atmospheric variability over the ~14.7 kyr BP stadial-interstadial transition in the North Atlantic region as simulated by an AGCM: **Climate Dynamics**, 20(2-3), p. 301-313, illus. incl. 1 table, sketch map, 61 ref., January 2003.

58005931

Smith, G. C. (McGill University, Department of Atmospheric and Oceanic Sciences and Centre for Climate and Global Change Research, Montreal, PQ, Canada); **Mysak, L. A.**; **Wang, Z.** and **Blatter, H.**

McGill paleoclimate model ice sheet sensitivity to ice flow rate and discharge parameters: **Climate Dynamics**, 20(2-3), p. 315-325, illus., 34 ref., January 2003.

58005932

Kuhle, Matthias, editor (University of Göttingen, Department of Geography and High Mountain Geomorphology, Gottingen, Federal Republic of Germany).

Tibet and High Asia; VI, Glaciogeomorphology and prehistoric glaciation in the Karakorum and Himalaya: **GeoJournal**, 54(2-4), p. 107-475, illus., 2001. (GeoJournal Vol. 55, No. 1). Individual papers are cited separately.

58005933

Kuhle, Matthias (University of Göttingen, Department of Geography and High Mountain Geomorphology, Gottingen, Federal Republic of Germany).

The maximum ice age (LGM) glaciation of the central- and south Karakorum; an investigation of the heights of its glacier levels and ice thicknesses as well as lowest prehistoric ice margin positions in the Hindukush, Himalaya and in east-Tibet on the Minya Konka-Massif: *in Tibet and High Asia*; VI, Glaciogeomorphology and prehistoric glaciation in the Karakorum and Himalaya (Kuhle, Matthias, editor), **GeoJournal**, 54(2-4), p. 109-396, illus.; glacial geology map, 1:2,000,000, 163 ref., 2001. (GeoJournal Vol. 55, No. 1). Includes 51 fold-out sheets of photographs.

58005934

Iturriaga, Lasafam (University of Göttingen, Geography/High Mountain Geomorphology, Gottingen, Federal Republic of Germany).

Lateroglacial valleys and landforms in the Karakoram Mountains (Pakistan): *in Tibet and High Asia*; VI, Glaciogeomorphology and prehistoric glaciation in the Karakorum and Himalaya (Kuhle, Matthias, editor), **GeoJournal**, 54(2-4), p. 397-428, illus. incl. sketch map, 45 ref., 2001. (GeoJournal Vol. 55, No. 1).

58005935

Meiners, Sigrid (University of Gottingen, Department of Geography, Gottingen, Federal Republic of Germany).

The post to late glacial valley reconstruction on the Haramosh north side (Mani, Baska and Phuparash Valleys): *in Tibet and High Asia*; VI, Glaciogeomorphology and prehistoric glaciation in the Karakorum and Himalaya (Kuhle, Matthias, editor), **GeoJournal**, 54(2-4), p. 429-450, illus. incl. 1 table, geol. sketch map, 23 ref., 2001. (GeoJournal Vol. 55, No. 1). Includes 4 pages of fold-out photographs.

58005936

König, O. (University of Göttingen, Department of Geography, Gottingen, Federal Republic of Germany).

Investigations on the Quaternary glaciation in the Khumbu Himal (Nepal, east-Himalaya): *in Tibet and High Asia*; VI, Glaciogeomorphology and prehistoric glaciation in the Karakorum and Himalaya (Kuhle, Matthias, editor), **GeoJournal**, 54(2-4), p. 451-469, illus. incl. sketch map, 21 ref., 2001. (GeoJournal Vol. 55, No. 1). Includes 4 pages of fold-out photographs.

58005937

Santilli, Maurizio (Universita di Milano, Dipartimento di Scienze della Terra, Milan, Italy); Orombelli, Giuseppe and Pelfini, Manuela.

Variations of Italian glaciers between 1980 and 1999 inferred by the data supplied by the Italian glaciological committee: **Geografia Fisica e Dinamica Quaternaria (Testo stampato)**, 25(1), p. 61-76 (Italian sum.), illus. incl. 1 table, 26 ref., 2002.

58005938

Bisci, Carlo (Universita di Camerino, Dipartimento di Scienze della Terra, Camerino, Italy); Dramis, Francesco; Fazzini, Massimiliano and Guglielmin, Mauro.

Climatic conditions and sporadic permafrost in the Maiella Massif; Central Apennines, Italy: **Geografia Fisica e Dinamica Quaternaria (Testo stampato)**, 26(1), p. 3-13 (Italian sum.), illus. incl. 6 tables, sketch maps, 24 ref., 2003.

58005939

Vigano, Alfio (Universita dell'Insubria, Dipartimento di Scienze Chimiche, Fisiche e Matematiche, Como, Italy); Dossi, Carlo; Mattana, Ugo; Martin, Silvana; Monticelli, Damiano and Pozzi, Andrea.

The Marmolada Glacier; an investigation of natural weathering and anthropic pressure through chemical analyses of melting water and ice: **Geografia Fisica e Dinamica Quaternaria (Testo stampato)**, 26(1), p. 71-75 (Italian sum.), 3 tables, sketch maps, 13 ref., 2003.

58005940

Pfuhl, Helen A. (University of Cambridge, Godwin Laboratory, Cambridge, United Kingdom) and Shackleton, Nicholas J.

Changes in coiling direction, habitat depth and abundance in two Menardellid species: **Marine Micropaleontology**, 50(1-2), p. 3-20, illus. incl. 3 tables, 61 ref., January 2004.

58005941

Kang, Sung-Ho, editor (Korea Polar Research Institute, Seoul, South Korea).

Selected papers from the Ninth Seoul international symposium on Polar science: **Ocean and Polar Research**, 25(4), p. 603-662, illus. incl. tables, sketch maps, December 2003. *Meeting*: Environmental changes in Antarctica; impacts and responses, Oct. 8-10, 2002, Ansan, South Korea. Individual papers within scope are cited separately.

58005942

Li, Zhengjun (National University of Singapore, Department of Biological Sciences, Singapore); Lin, Qingsong; Low, Woon-Kai; Miao, Megan and Choy L.

Biochemical adaptation to the freezing environment; the biology of fish antifreeze proteins: *in* Selected papers from the Ninth Seoul international symposium on Polar science (Kang, Sung-Ho, editor), **Ocean and Polar Research**, 25(4), p. 607-615, illus. incl. 1 table, 23 ref., December 2003. *Meeting*: Environmental changes in Antarctica; impacts and responses, Oct. 8-10, 2002, Ansan, South Korea.

58005943

Ho, King-Chung (Open University of Hong Kong, School of Science and Technology, Hong Kong, China); Kang, Sung-Ho; Lam, Ironside H. Y. and Hodgkiss, I. John.

Distribution of Alexandrium tamarensis in Drake Passage and the threat of harmful algal blooms in the Antarctic Ocean: *in* Selected papers from the Ninth Seoul international symposium on Polar science (Kang, Sung-Ho, editor), **Ocean and Polar Research**, 25(4), p. 625-631, illus. incl. sketch map, 42 ref., December 2003. *Meeting*: Environmental changes in Antarctica; impacts and responses, Oct. 8-10, 2002, Ansan, South Korea.

58005944

Nicol, Stephen (Australian Antarctic Division, Kingston, Tasmania, Australia).

Krill and currents; physical and biological interactions influencing the distribution of Euphausia superba: *in* Selected papers from the Ninth Seoul international symposium on Polar science (Kang, Sung-Ho, editor), **Ocean and Polar Research**, 25(4), p. 633-644, illus. incl. sketch map, 63 ref., December 2003. *Meeting:* Environmental changes in Antarctica; impacts and responses, Oct. 8-10, 2002, Ansan, South Korea.

58005945

Verde, Cinzia (CNR, Institute of Protein Biochemistry, Naples, Italy) and Di Prisco, Guido.

The oxygen-transport system of polar fish; the evolution of hemoglobin: *in* Selected papers from the Ninth Seoul international symposium on Polar science (Kang, Sung-Ho, editor), **Ocean and Polar Research**, 25(4), p. 617-623, illus. incl. 1 table, 24 ref., December 2003. *Meeting:* Environmental changes in Antarctica; impacts and responses, Oct. 8-10, 2002, Ansan, South Korea.

58005946

Ahn, In-Young (KORDI, Korea Polar Research Institute, Seoul, South Korea); Choi, Heeson J. and Kim, Ko-Woon.

Heavy metal pollution monitoring at King Sejong Station, King George Island, Antarctica: *in* Selected papers from the Ninth Seoul international symposium on Polar science (Kang, Sung-Ho, editor), **Ocean and Polar Research**, 25(4), p. 645-652, 71 ref., December 2003. *Meeting:* Environmental changes in Antarctica; impacts and responses, Oct. 8-10, 2002, Ansan, South Korea.

58005947

Rakusa-Suszczewski, Stanislas (Polish Academy of Sciences, Department of Antarctic Biology, Warsaw, Poland).

Functioning of the geoecosystem for the west side of Admiralty Bay (King George Island, Antarctica); outline of research at Arctowski Station: *in* Selected papers from the Ninth Seoul international symposium on Polar science (Kang, Sung-Ho, editor), **Ocean and Polar Research**, 25(4), p. 653-662, illus. incl. 1 table, sketch maps, 68 ref., December 2003. *Meeting:* Environmental changes in Antarctica; impacts and responses, Oct. 8-10, 2002, Ansan, South Korea.

58005948

Degirmendzic, Jan (University of Lódz, Department for Environmental Dynamics and Bioclimatology, Lodz, Poland); Kozuchowski, Krzysztof and Zmudzka, Elwira.

Changes of air temperature and precipitation in Poland in the period 1951-2000 and their relationship to atmospheric circulation: **International Journal of Climatology**, 24(3), p. 291-310, illus. incl. 11 tables, sketch map, 39 ref., March 15, 2004.

58005949

Kaser, Georg (University of Innsbruck, Department of Geography, Innsbruck, Austria); Hardy, Douglas R.; Mölg, Thomas; Bradley, Raymond S. and Hyera, Tharsis M.

Modern glacier retreat on Kilimanjaro as evidence of climate change; observations and facts: **International Journal of Climatology**, 24(3), p. 329-339, illus., 62 ref., March 15, 2004.

58005950

Retallack, Gregory J. (University of Oregon, Department of Geological Sciences, Eugene, OR); Wynn, Jonathan G. and Fremd, Theodore J.

Glacial-interglacial-scale paleoclimatic change without large ice sheets in the Oligocene of central Oregon: **Geology (Boulder)**, 32(4), p. 297-300, illus., 32 ref., April 2004. With GSA Data Repository Item 2004050.

58005951

Nielsen, Simon H. H. (Norwegian Polar Institute, Polar Environmental Center, Tromso, Norway); Koc, Nalan and Crosta, Xavier.

Holocene climate in the Atlantic sector of the Southern Ocean; controlled by insolation or oceanic circulation?: **Geology (Boulder)**, 32(4), p. 317-320, illus. incl. sketch map, 32 ref., April 2004. With GSA Data Repository Item 2004053; VISTA Proj. 6535.

58005952

Komatsu, Goro (Universita d'Annunzio, International Research School of Planetary Sciences, Pescara, Italy); Dohm, James M. and Hare, Trent M.

Hydrogeologic processes of large-scale tectonomagmatic complexes in Mongolia-southern Siberia and on Mars: **Geology (Boulder)**, 32(4), p. 325-328, illus. incl. sketch maps, 45 ref., April 2004.

58005953

Vidic, Natasa J. (University of Ljubljana, Department of Agronomy, Ljubljana, Slovenia) and Montañez, Isabel P.

Climatically driven glacial-interglacial variations in C₃ and C₄ plant proportions on the Chinese Loess Plateau: **Geology (Boulder)**, 32(4), p. 337-340, illus. incl. 1 table, sketch map, 28 ref., April 2004. With GSA Data Repository Item 2004056.

58005954

Sommerfield, Christopher K. (University of Delaware, College of Marine Studies, Lewes, DE) and Lee, Homa J.

Across-shelf sediment transport since the last glacial maximum, Southern California margin: **Geology (Boulder)**, 32(4), p. 345-348, illus. incl. sect., sketch map, 36 ref., April 2004.

58005955

Pelletier, Jon D. (University of Arizona, Geosciences Department, Tucson, AZ).

How do spiral troughs form on Mars?: **Geology (Boulder)**, 32(4), p. 365-367, illus., 12 ref., April 2004.

58005956

Clemens, Thomas Charles.

Depositional components and the origin of Crystal Lakes, Medway, Clark County, Ohio: 86 p., 2 tables, 25 ref., Master's, 2001, Wright State University, Dayton, OH. *Holocene, Ostracoda, algae*

58005957

Gong, Gavin (Massachusetts Institute of Technology, Department of Civil and Environmental Engineering, Cambridge, MA); Entekhabi, Dara and Cohen, Judah.

Orographic constraints on a modeled Siberian snow-tropospheric-stratospheric teleconnection pathway: **Journal of Climate**, 17(6), p. 1176-1189, illus. incl. sketch maps, 35 ref., March 15, 2004. NSF Grant ATM-9902433 and ATM-0127667.

58005958

Hines, Keith M. (Ohio State University, Byrd Polar Research Center, Columbus, OH);

Bromwich, David H.; Rasch, Philip J. and Iacono, Michael J.

Antarctic clouds and radiation within the NCAR climate models: **Journal of Climate**, 17(6), p. 1198-1212, illus. incl. 1 table, 48 ref., March 15, 2004. NSF Grant ATM-9820042.

58005959

Goosse, H. (Université Catholique de Louvain, Institut d'Astronomie et de Géophysique G. Lemaitre, Louvain-la-Neuve, Belgium); Gerdes, R.; Kauker, F. and Köberle, C.

Influence of the exchanges between the Atlantic and the Arctic on sea ice volume variations during the period 1955-97: **Journal of Climate**, 17(6), p. 1294-1305, illus. incl. sketch map, 70 ref., March 15, 2004.

58005960

Liston, Glen E. (Colorado State University, Department of Atmospheric Science, Fort Collins, CO).

Representing subgrid snow cover heterogeneities in regional and global models: **Journal of Climate**, 17(6), p. 1381-1397, illus. incl. 1 table, 96 ref., March 15, 2004. NSF Grant OPP-0229973-001.

58005961

Deshpande, C. G. (Indian Institute of Tropical Meteorology, Poona, India) and Kamra, A. K.

Physical properties of aerosols at Maitri, Antarctica: **Proceedings of the Indian Academy of Sciences: Earth and Planetary Sciences**, 113(1), p. 1-25, illus. incl. 1 table, sketch maps, 46 ref., March 2004.

58005962

Srinivasulu, J. (Space Applications Centre, Marine and Water Resources Group, Ahmedabad, India) and Kulkarni, A. V.

Estimation of spectral reflectance of snow from IRS-1D LISS-III sensor over the Himalayan terrain: **Proceedings of the Indian Academy of Sciences: Earth and Planetary Sciences**, 113(1), p. 117-128, illus. incl. 5 plates, 4 tables, sketch map, 21 ref., March 2004.

58005963

Verzilin, N. N.

Glyatsiodislokatsii v nizhnei chasti doliny r. Tosny i ikh paleogeograficheskoe znachenie [Glacial displacements in the lower Tosna River valley; paleogeographic implications]: **Izvestiya Russkogo Geograficheskogo Obshchestva**, 135(3), p. 29-33, illus., 4 ref., June 2003.

58005964

Klimek, K. (University of Silesia, Faculty of Earth Sciences, Sosnowiec, Poland); Malik, I.; Owczarek, P. and Zygmunt, E.

Historical flood evidence using geomorphological and dendrochronological records, Sudetes Mountains, Central Europe: *in* Palaeofloods, historical data and climatic variability; applications in flood risk assessment; proceedings of the PHEFRA international workshop (Thorndycraft, Varyl R., editor; *et al.*), CSIC, Centro de Ciencias Medioambientales, Madrid, Spain, p. 61-65, illus. incl. sketch maps, 7 ref., 2002. *Meeting:* Oct. 16-19, 2002, Barcelona, Spain.

58005965

Schulte, L. (University of Barcelona, Department of Physical Geography, Barcelona, Spain).

River-response and terrace aggradation in the Mediterranean Iberian Peninsula during historical times: *in* Palaeofloods, historical data and climatic variability; applications in flood risk assessment; proceedings of the PHEFRA international workshop (Thorndycraft, Varyl R., editor; *et al.*), CSIC, Centro de Ciencias Medioambientales, Madrid, Spain, p. 67-72, illus., 14 ref., 2002. *Meeting:* Oct. 16-19, 2002, Barcelona, Spain.

58005966

Roald, L. A. (Norwegian Water Resources and Energy Directorate, Oslo, Norway).

Two major 18th century flood disasters in Norway: *in* Palaeofloods, historical data and climatic variability; applications in flood risk assessment; proceedings of the PHEFRA international workshop (Thorndycraft, Varyl R., editor; *et al.*), CSIC, Centro de Ciencias Medioambientales, Madrid, Spain, p. 131-136, sketch maps, 14 ref., 2002. *Meeting:* Oct. 16-19, 2002, Barcelona, Spain.

58005967

Herget, J. (Ruhr-Universität Bochum, Department of Geography, Bochum, Federal Republic of Germany) and Agatz, H.

Modelling ice-dammed lake outburst floods in the Altai Mountains (Siberia) with HEC-RAS: *in* Palaeofloods, historical data and climatic variability; applications in flood risk assessment; proceedings of the PHEFRA international workshop (Thorndycraft, Varyl R., editor; *et al.*), CSIC, Centro de Ciencias Medioambientales, Madrid, Spain, p. 177-181, illus. incl. sketch map, 7 ref., 2002. *Meeting:* Oct. 16-19, 2002, Barcelona, Spain.

58005968

Barrera, A. (University of Barcelona, Department of Astronomy and Meteorology, Barcelona, Spain); Barriendos, Mariano; Llasat, M. Carmen and Rigo, T.

Classification of weather types for strong rainfall events producing floods during the end of the Little Ice Age (AD 1840-1870) in Catalonia; a meteorological approach using old instrumental records: *in* Palaeofloods, historical data and climatic variability; applications in flood risk assessment; proceedings of the PHEFRA international workshop (Thorndycraft, Varyl R., editor; *et al.*), CSIC, Centro de Ciencias Medioambientales, Madrid, Spain, p. 281-287, illus. incl. 2 tables, sketch maps, 3 ref., 2002. *Meeting:* Oct. 16-19, 2002, Barcelona, Spain.

58005969

Camuffo, Dario (Institute for Atmospheric Sciences and Climate, Padua, Italy); Sturaro, Giovanni and Benito, Gerardo.

An opposite flood pattern teleconnection between the Tagus (Iberian Peninsula) and Tiber (Italy) rivers during the last 1000 years: *in* Palaeofloods, historical data and climatic variability; applications in flood risk assessment; proceedings of the PHEFRA international workshop (Thorndycraft, Varyl R., editor; *et al.*), CSIC, Centro de Ciencias Medioambientales, Madrid, Spain, p. 295-300, illus. incl. sketch map, 13 ref., 2002. *Meeting:* Oct. 16-19, 2002, Barcelona, Spain.

58005970

Coeur, D. (ACTHYS-Diffusion, Grenoble, France).

Genesis of a public policy for flood management in France; the case of the Grenoble Valley (XVIIth-XIXth centuries): *in* Palaeofloods, historical data and climatic variability; applications in flood risk assessment; proceedings of the PHEFRA international workshop (Thorndycraft, Varyl R., editor; *et al.*), CSIC, Centro de Ciencias Medioambientales, Madrid, Spain, p. 373-378, illus., 5 ref., 2002. *Meeting:* Oct. 16-19, 2002, Barcelona, Spain.

58005971

Majewski, Wojciech (Polish Academy of Sciences, Institute of Hydro-Engineering, Gdansk, Poland).

Determination of roughness coefficient of the underside of ice cover: *in* Special issue on the 50th anniversary of the Institute of Hydro-Engineering (Szymkiewicz, Romuald, editor), **Archives of Hydroengineering and Environmental Mechanics**, 50(3), p. 219-228, illus. incl. 2 tables, 3 ref., 2003.

58005972

Staroszczyk, Ryszard (Polish Academy of Sciences, Institute of Hydro-Engineering, Szczecin, Poland).

Finite element simulations of floating ice; engineering structure interactions: *in* Special issue on the 50th anniversary of the Institute of Hydro-Engineering (Szymkiewicz, Romuald, editor), **Archives of Hydroengineering and Environmental Mechanics**, 50(3), p. 251-268, illus., 12 ref., 2003.

58005973

Wada, Akira (Nihon University, College of Industrial Technology, Chiba, Japan); Ochiai, Minoru and Takano, Tairyu.

Marine contamination in the Arctic Ocean: **Journal of Hydraulic Research = Journal de Recherches Hydrauliques**, 42(2), p. 115-130 (French sum.), illus. incl. 6 tables, sketch maps, 11 ref., 2004.

58005974

Howell, S. E. L. (University of Calgary, Department of Geography, Calgary, AB, Canada) and Yackel, J. J.

A vessel transit assessment of sea ice variability in the western Arctic, 1969-2002; implications for ship navigation: **Canadian Journal of Remote Sensing**, 30(2), p. 205-215 (French sum.), illus. incl. 3 tables, sketch maps, 28 ref., April 2004.

58005975

Hansell, Dennis A. (University of Miami, Rosenstiel School of Marine and Atmospheric Science, Miami, FL); Kadko, David and Bates, Nicholas R.

Degradation of terrigenous dissolved organic carbon in the western Arctic Ocean: **Science**, 304(5672), p. 858-861, illus. incl. sketch map, 31 ref., May 7, 2004.

58005976

Hinke, Hans J.

The Quaternary geology of western St. Croix County: 105 p., illus. incl. 3 plates, 75 ref., Master's, 2003, University of Wisconsin-Madison, Madison, WI.

58005977

Massom, Robert A. (University of Tasmania, Antarctic Climate and Ecosystems Cooperation Research Centre, Hobart, Tasmania, Australia); Pook, Michael J.; Comiso, Josefino C.; Adams, Neil; Turner, John; Lachlan-Cope, Tom and Gibson, Timothy T.

Precipitation over the interior East Antarctic ice sheet related to midlatitude blocking-high activity: **Journal of Climate**, 17(10), p. 1914-1928, illus. incl. 1 table, sketch map, 75 ref., May 15, 2004.

58005978

Roe, Gerard H. (University of Washington, Department of Earth and Space Sciences, Seattle, WA) and Steig, Eric J.

Characterization of millennial-scale climate variability: **Journal of Climate**, 17(10), p. 1929-1944, illus. incl. 3 tables, 84 ref., May 15, 2004.

58005979

Mathieu, Pierre Philippe (University of Reading, Department of Meteorology, Reading, United Kingdom); Sutton, R. T.; Dong, B. and Collins, M.

Predictability of winter climate over the North Atlantic European region during ENSO events: **Journal of Climate**, 17(10), p. 1953-1974, illus. incl. 1 table, sketch maps, 40 ref., May 15, 2004. Includes appendices.

58005980

Harangozo, S. A. (British Antarctic Survey, Cambridge, United Kingdom).

The impact of winter ice retreat on Antarctic winter sea-ice extent and links to the atmospheric meridional circulation: **International Journal of Climatology**, 24(8), p. 1023-1044, illus. incl. 2 tables, sketch maps, 35 ref., June 30, 2004.

58005981

Cowley, Les.

Atmospheric optics: publisher unknown, May 16, 2004. WWW. Accessed June 18, 2004.
<http://www.sundog.clara.co.uk/atoptics/phenom.htm>

58005982

Fagre, Daniel B. (U. S. Geological Survey, Northern Rocky Mountain Science Center, West Glacier, MT).

Global change research; a focus on mountain ecosystems: U. S. Geological Survey, Bozeman, MT, illus. incl. sketch maps, April 25, 2003. WWW. Accessed June 18, 2004.
<http://www.nrmsc.usgs.gov/research/global.htm>

58005983

Rasmussen, Tine L. (University Courses of Svalbard (UNIS), Svalbard, Norway) and Thomsen, Erik.

The role of the North Atlantic Drift in the millennial timescale glacial climate fluctuations: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 210(1), p. 101-116, illus. incl. 3 tables, sketch map, 76 ref., July 23, 2004.

58005984

Alverson, Keith (PAGES International Project Office, Bern, Switzerland) and Solomina, Olga, editors.

High latitude Eurasian palaeoenvironments: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 1-352, illus. incl. sects., tables, sketch maps, July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation. Individual papers are cited separately.

58005985

Solomina, Olga (Russian Academy of Sciences, Institute of Geography, Moscow, Russian Federation) and Alverson, Keith.

High latitude Eurasian paleoenvironments; introduction and synthesis: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 1-18, illus. incl. sketch maps, 72 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005986

Kaplin, Pavel A. (Lomonosov Moscow State University, Geography Department, Moscow, Russian Federation) and Selivanov, Andrei O.

Lateglacial and Holocene sea level changes in semi-enclosed seas of north Eurasia; examples from the contrasting Black and White Seas: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 19-36, illus. incl. sect., 1 table, sketch maps, 60 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005987

Makhnach, N. (National Academy of Sciences of Belarus, Institute of Geological Sciences, Minsk, Belarus); Zernitskaja, V.; Kolosov, I. and Simakova, G.

Stable oxygen and carbon isotopes in late glacial-Holocene freshwater carbonates from Belarus and their palaeoclimatic implications: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 73-101, illus. incl. sects., sketch map, 51 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005988

Kremenetski, K. V. (University of California at Los Angeles, Department of Geography, Los Angeles, CA); Boettger, T.; MacDonald, G. M.; Vaschalova, T.; Sulerzhitsky, L. and Hiller, A.

Medieval climate warming and aridity as indicated by multiproxy evidence from the Kola Peninsula, Russia: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 113-125, illus. incl. sects., 2 tables, sketch map, 31 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005989

Raspopov, O. M. (IZMIRAN, Saint Petersburg, Russian Federation); Dergachev, V. A. and Kolstrom, T.

Periodicity of climate conditions and solar variability derived from dendrochronological and other palaeoclimatic data in high latitudes: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 127-139, illus. incl. sketch map, 47 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005990

Murdmaa, Ivar (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Polyak, Leonid; Ivanova, Elena and Khromova, Natalia.

Paleoenvironments in Russkaya Gavan' Fjord (NW Novaya Zemlya, Barents Sea) during the last millennium: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 141-154, illus. incl. sect., sketch map, 33 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005991

Hantemirov, Rashit M. (Institute of Plant and Animal Ecology, Yekaterinburg, Russian Federation); Goranova, Ludmila A. and Shiyatov, Stepan G.

Extreme temperature events in summer in northwest Siberia since AD 742 inferred from tree rings: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 155-164, illus. incl. 3 tables, sketch map, 37 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005992

Bobrov, Anatoly A. (Moscow State University, Soil Department, Moscow, Russian Federation); Andreev, Andrei A.; Schirrmeyer, Lutz and Siegert, Christine.

Testate amoebae (Protozoa, Testacealobosea and Testaceafilosea) as bioindicators in the late Quaternary deposits of the Bykovsky Peninsula, Laptev Sea, Russia: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 165-181, illus. incl. sect., 4 tables, sketch map, 50 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation. Includes appendix.

58005993

Agafonov, Leonid (Russian Academy of Sciences, Institute of Plant and Animal Ecology, Yekaterinburg, Russian Federation); Strunk, Horst and Nuber, Thomas.

Thermokarst dynamics in western Siberia; insights from dendrochronological research: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 183-196, illus. incl. 1 table, sketch maps, 30 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005994

Andreev, Andrei A. (Alfred-Wegener-Institut für Polar- und Meeresforschung, Potsdam, Federal Republic of Germany); Tarasov, Pavel; Schwamborn, Georg; Ilyashuk, Boris; Ilyashuk, Elena; Bobrov, Anatoly A.; Klimanov, Vladimir; Rachold, Volker and Hubberten, Hans-Wolfgang.

Holocene paleoenvironmental records from Nikolay Lake, Lena River delta, Arctic Russia: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 197-217, illus. incl. sects., 2 tables, sketch maps, 64 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation. Includes appendix. *Protista, palynomorphs*

58005995

Osipov, Eduard Yu. (Russian Academy of Sciences, Limnological Institute, Irkutsk, Russian Federation).

Equilibrium-line altitudes on reconstructed LGM glaciers of the northwest Barguzinsky Ridge, northern Baikal, Russia: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 219-226, illus. incl. 2 tables, sketch map, 38 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005996

Karabanov, Eugene (University of South Carolina, Baikal Drilling Project, Columbia, SC); Williams, Douglas; Kuzmin, Mikhail; Sideleva, Valentina; Khursevich, Galina; Prokopenko, Alexander; Solotchina, Emilia; Tkachenko, Lilia; Fedenyia, Svetlana; Kerber, Eugene; Gvozdkov, Alexander; Khlustov, Oleg; Bezrukova, Elena; Letunova, Polina and Krapivina, Svetlana.

Ecological collapse of Lake Baikal and Lake Hovsgol ecosystems during the last glacial and consequences for aquatic species diversity: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 227-243, illus. incl. sects., 1 table, 65 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005997

Fedotov, A. P. (Russian Academy of Sciences, Limnological Institute, Irkutsk, Russian Federation); Chebykin, E. P.; Semenov, M. Yu.; Vorobyova, S. S.; Osipov, Eduard Yu.; Golobokova, L. P.; Pogodaeva, T. V.; Zheleznyakova, T. O.; Grachev, M. A.; Tomurhuu, D.; Oyunchimeg, T.; Narantsetseg, T.; Tomurtogoo, O.; Dolgikh, P. T.; Arsenyuk, M. I. and de Batist, M.

Changes in the volume and salinity of Lake Khubsugul (Mongolia) in response to global climate changes in the upper Pleistocene and the Holocene: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 245-257, illus. incl. 1 table, sketch map, 25 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005998

Blyakharchuk, T. A. (Russian Academy of Sciences, Laboratory of Geoinformation Systems, Tomsk, Russian Federation); Wright, H. E.; Borodavko, P. S.; van der Knaap, W. O. and Ammann, B.

Late glacial and Holocene vegetational changes on the Ulagan high-mountain plateau, Altai Mountains, southern Siberia: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 259-279, illus. incl. sects., 2 tables, sketch maps, 44 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58005999

Gorbarenko, S. A. (Russian Academy of Sciences, Pacific Oceanological Institute, Vladivostok, Russian Federation); Southon, J. R.; Keigwin, L. D.; Cherepanova, M. V. and Gvozdeva, I. G.

Late Pleistocene-Holocene oceanographic variability in the Okhotsk Sea; geochemical, lithological and paleontological evidence: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 281-301, illus. incl. sects., 3 tables, sketch map, 54 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation. *Foraminifera, diatoms, palynomorphs*

58006000

Savinetsky, Arkady B. (Russian Academy of Sciences, A. N. Severtsov Institute of Ecology and Evolution, Moscow, Russian Federation); Kiseleva, Nina K. and Khassanov, Bulat F. Dynamics of sea mammal and bird populations of the Bering Sea region over the last several millennia: *in* High latitude Eurasian palaeoenvironments (Alverson, Keith, editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 209(1-4), p. 335-352, illus. incl. sketch map, 82 ref., July 6, 2004. *Meeting:* PAGES conference, May 2002, Moscow, Russian Federation.

58006001

Flores, Romeo M. (U. S. Geological Survey); Stricker, Gary D. and Kinney, Scott A.

Alaska coal geology, resources, and coalbed methane potential: **U. S. Geological Survey Digital Data Series**, Rep. No. DDS-0077, 1 disc, illus. incl. 9 tables, sketch maps, 175 ref., 2004. compact disc *Available from:* U. S. Geol. Surv., Denver, CO, United States.

58006002

Grantz, Arthur (U. S. Geological Survey, Menlo Park, CA); Hart, Patrick E. and May, Steven D.

Seismic reflection and refraction data acquired in Canada Basin, Northwind Ridge and Northwind Basin, Arctic Ocean in 1988, 1992 and 1993: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 2004-1243, illus. incl. sketch maps, 5 ref., 2004. WWW. Accessed on July 22, 2003.

<http://pubs.usgs.gov/of/2004/1243/>

58006003

Hawley, Charles C. (U. S. Geological Survey, Anchorage, AK).

Alaska Resource Data File, Mount McKinley Quadrangle, Alaska: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 2004-1200, 381 p., sketch map, 75 ref., 2004. WWW. Accessed on Aug. 6, 2004.

<http://pubs.usgs.gov/of/2004/1200/>

58006004

Kleiven, Helga Flesche.

Orbital and millennial scale ice sheet and ocean variability in the North Atlantic during the Pliocene and Pleistocene climate transitions: variously paginated, illus. incl. tables, sketch maps, Doctoral, 2000, University of Bergen, Bergen, Norway.

58006005

Skrovseth, Per Erik, chairperson.

Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability: **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, 847 p., illus. incl. tables, sketch maps, June 1998. ISBN: 82-7542-040-7. *Meeting:* June 8-12, 1998, Tromso, Norway. Individual papers within scope are cited separately.

58006006

Johannessen, O. M. (Nansen Environmental and Remote Sensing Center, Solheimsvik, Norway) and Sandven, Stein.

ICEWATCH; operational ice nowcasting and climate monitoring by synergetic use of satellite data and how society can benefit from improved forecasts: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 14-19, illus. incl. 1 table, 8 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006007

Reiersen, L. O. (AMAP Secretariat, Oslo, Norway); Kimstach, V. and Wilson, S.

Arctic Monitoring and Assessment Programme (AMAP) 1998-2003; possibilities for use of remote sensing: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 20-23, illus. incl. 4 tables, 5 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006008

Asmus, V. V. (Scientific and Research Centre on Space Hydrometeorology PLANETA, Moscow, Russian Federation); Krovotyntsev, V. A. and Milekhin, O. E.

Arctic ice covers investigations using OKEAN satellite data: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 24-27, illus., 7 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006009

Sandven, Stein (Nansen Environmental and Remote Sensing Center, Solheimsvik, Norway); Johannessen, O. M.; Pettersson, Lasse H.; Kloster, Kjell; Hamre, T.; Solhaug, J.; Bobylev, L. P.; Melentyev, V. V.; Alexandrov, Vitaly; Volkov, A. M.; Asmus, V. V.; Milekhin, O. E.; Krovotyntsev, V. A.; Grischenko, V. D. and Smirnov, V. G.

Operational sea ice monitoring in support of navigation and offshore operations in the Northern Sea Route: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 28-32, illus. incl. 2 tables, 6 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006010

Shuchman, Robert (ERIM International, Ann Arbor, MI); Tanis, Fred; Timokhov, Leonid and Priamikov, Sergey.

New Russian-American Arctic Ocean atlas: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 33-37, illus. incl. sketch map, 10 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006011

Amlien, Jostein (Norwegian Polar Institute, Oslo, Norway); Rolstad, C. and Isaksson, E.

Monitoring glaciers in Svalbard: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 38-43, illus., 16 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006012

Jacobsen, Linn Bryhn (Norwegian Polar Institute, Oslo, Norway) and Elven, Reidar.

Large-scale habitat mapping on Nordenskiold Land, Spitsbergen, by satellite imagery: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 44-47, illus. incl. 2 tables, sketch map, 11 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006013

Protzenko, I. G. (Yamal-Nenets Committee of Environmental Protection, Salekhard, Russian Federation); Rozanov, O. V. and Zaitzev, A. N.

The first results of the ecology monitoring system in Salekhard, western Siberia: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 48-50, illus. incl. 1 table, June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006014

Breivik, Lars-Anders (Norwegian Meteorological Institute, Oslo, Norway); Godoy, Oystein; Schyberg, Harald and Andersen, Soren.

SAF ocean and sea ice: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 51-54, illus., 5 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006015

Shalina, E. V. (Nansen International Environmental and Remote Sensing Center, Saint Petersburg, Russian Federation); Rastoskuev, V. V.; Johannessen, O. M.; Pettersson, Lasse H.; Bobylev, L. P.; Bjorgo, E. and Volkov, V. A.

Combined use of remote sensing and historical data in the marine information system "Kara Sea": *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 55-58, illus., 6 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006016

Asmus, Ken W. (Canadian Ice Service, Ottawa, ON, Canada) and Grant, Cameron A.

Surface based radiometer (SBR) data acquisition system: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 59-62, illus., 1 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006017

Jacobsen, Linn Bryhn (Norwegian Polar Institute, Oslo, Norway) and Amlien, Jostein.

Changes in NDVI of 3 vegetation types through the growing season in Svalbard: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 63-66, illus. incl. 2 tables, sketch map, 10 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006018

Sandven, Stein (Nansen Environmental and Remote Sensing Center, Solheimsviken, Norway); Alexandrov, Vitaly; Lundhaug, Maria; Kloster, Kjell; Rakhina, Tatjana V. and Pettersson, Lasse H.

Monitoring of sea ice motion by sequential satellite images: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 67-70, illus., 4 ref., June 1998. *Meeting*: June 8-12, 1998, Tromso, Norway.

58006019

Timchenko, A. I. (National Academy of Sciences of Ukraine, Institute for Radiophysics and Electronics, Kharkov, Ukraine).

Determination of icebergs sizes and locations from radar backscatter data: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 71-74, illus., 4 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006020

Olivieri, Carlo (University of Rome "La Sapienza", Rome, Italy) and Parisse, Maurizio.

High-latitude surface temperature retrievals from satellite measurements: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 75-78, illus., 13 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006021

Zabavnikov, Vladimir B. (Knipovich Polar Research Institute of Marine Fishery and Oceanography, Murmansk, Russian Federation) and Chernook, Vladimir I.

Air monitoring of ice conditions in the Arctic seas: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 79-82, June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006022

Solheim, Inger (NORUT Information Technology, Tromso, Norway) and Engelsen, Ola.

Detection of lichen covered areas in a Landsat-5 TM scene by the use of bidirectional reflectance factors: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 83-86, illus. incl. 1 table, 10 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006023

Tommervik, Hans (NORUT Information Technology, Tromso, Norway); Hogda, Kjell-Arild; Karlsen, Stein Rune and Johansen, Bernt.

High resolution satellite imagery and the potential for coastal zone management in Northern Norway: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 183-186, illus. incl. 3 tables, sketch map, 1 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006024

Dokken, S. T. (Chalmers University of Technology, Goteborg, Sweden); Hakansson, B. and Askne, J.

Sea ice in the climate system monitored with satellite born SAR: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 266-269, illus., 9 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006025

Wetzel, Peter J. (National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, MD).

The “icehouse effect” and potential for observing it from space: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 270-273, illus., 12 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006026

Glasser, Marvin (UNK, Department of Physics & Physical Sciences) and Lulla, Kamlesh. Evidence of change in the boreal forests using NASA astronaut photography; the case for International Space Station earth observations: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 282-287, illus., 9 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006027

Jacobsen, Geir (Cap Gemini, Oslo, Norway).

SnowView; satellite-based snow monitoring for Norwegian hydropower companies: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 304-307, illus., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006028

Mognard, N. M. (CESBIO-CNRS, Toulouse, France); Josberger, E. G. and Gloersen, P.

Seasonal evolution of the 1988-89 Northern Great Plains snowpack from satellite passive microwave observations: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 333-337, illus. incl. 1 table, 11 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006029

Yefimov, V. B. (Kalmykov Center for Radiophysical Sensing of the Earth, Kharkov, Ukraine); Kalmykov, I. A.; Yatsevich, S. Ye. and Timchenko, A. I.

The features of radar observations of snow cover from the satellite “SICH-1”: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 338-341, illus., 6 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006030

Moorman, Brian J. (University of Calgary, Earth Science Program, Calgary, AB, Canada).

Advances in glacial hydrology using remote sensing: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 367-370, illus. incl. sect., sketch map, 4 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006031

Winther, Jan-Gunnar (Norwegian Polar Institute, Tromso, Norway) and Hall, Dorothy K. Satellite-derived snow coverage related to hydropower production in Norway; present and future: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 371-374, illus., 11 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006032

de Sève, Danielle (Université du Québec, Institut National de la Recherche Scientifique, Sainte-Foy, PQ, Canada); Bernier, M.; Fortin, J. P. and Walker, A. Spatio-temporal analysis of microwave radiometry of snow cover with SSM/I data in a taiga area: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 383-386, illus. incl. sketch map, 14 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006033

Nordberg, Maj-Liz (Stockholm University, Department of Physical Geography, Stockholm, Sweden).

Vegetation and biomass changes in mountainous areas in Sweden using satellite and airborne imaging scanner data: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 431-435, illus. incl. 2 tables, sketch map, 19 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006034

Odasz-Albrigtsen, Ann Marie (University of Tromso, Department of Arctic Biology and Institute of Medical Biology, Tromso, Norway) and Tommervik, Hans.

Detecting relations between photosynthesis, airborne pollution, and Landsat 5-TM satellite data along the Russian-Norwegian border: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 539-542, illus. incl. sketch map, 12 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006035

Eldhuset, K. (Norwegian Defence Research Establishment, Kjeller, Norway); Andersen, P. H.; Hauge, S.; Wahl, T.; Weydahl, D. J.; Isaksson, E. and Amlien, Jostein.

ERS tandem INSAR processing for DEM generation and glacier motion estimation: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 579-582, illus., 10 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006036

Tommervik, Hans (NORUT Information Technology, Tromso, Norway); Hogda, Kjell-Arild; Solheim, Inger and Marhaug, Oyvind.

Monitoring of vegetation decline in Kola Peninsula: *in Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability* (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 630-633, illus. incl. 2 tables, sketch map, 5 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006037

Donchenko, V. V. (Nansen International Environmental and Remote Sensing Centre, Saint Petersburg, Russian Federation); Goltsova, N. I.; Johannessen, O. M.; Bobylev, L. P.; Pitulko, V. M. and Kristsuk, S. G.

Synergistic use of SAR and other satellite data to monitor damaged areas of boreal forests for St. Petersburg region: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 640-643, illus. incl. 3 tables, 2 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006038

Leine, Mats (Stockholm University, Department of Physical Geography, Stockholm, Sweden).

Multitemporal analysis of tree cover changes on a southern Swedish raised peat bog: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 692-697, illus. incl. 5 tables, sketch map, 32 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006039

Wicks, Toby E. (University of Southampton, Department of Geography, Southampton, United Kingdom) and Curran, Paul J.

Towards the regional estimation of NPP for boreal forests: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 698-700, illus., 5 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006040

Rigina, Olga (Swedish University of Agricultural Sciences, Remote Sensing Laboratory, Umea, Sweden); Hagner, Olle and Olsson, Hakan.

Environmental impact of mining and concentration activity in the central Kola Peninsula: *in* Proceedings for the 27th international symposium on Remote sensing of environment; information for sustainability (Skrovseth, Per Erik, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 27, p. 725-728, illus., 5 ref., June 1998. *Meeting:* June 8-12, 1998, Tromso, Norway.

58006041

Kuhle, Matthias (University of Göttingen, Department of Geography, Gottingen, Federal Republic of Germany).

Reconstruction of an approximately complete Quaternary Tibetan inland glaciation between the Mt. Everest- and Cho Oyu Massifs and the Aksai Chin; a new glaciogeomorphological SE-NW diagonal profile through Tibet and its consequences for the glacial isostasy and ice age cycle: *in* Tibet and High Asia; V (Kuhle, Matthias, editor), **GeoJournal**, 47(1-2), p. 3-276, illus. incl. 1 table, sketch maps, 78 ref., 1999. Includes 52 foldout pages of photographs.

58006042

Iturriaga, Lasafam (University of Göttingen, Department of Geography, Gottingen, Federal Republic of Germany).

Typical debris accumulation forms and formations in High Asia: *in* Tibet and High Asia; V (Kuhle, Matthias, editor), **GeoJournal**, 47(1-2), p. 277-339, illus. incl. sketch maps, 54 ref., 1999. Includes 4 fold-out pages of photographs.

58006043

Meiners, Sigrid (University of Goettingen, Department of Geography, Gottingen, Federal Republic of Germany).

The history of glaciation of the Rolwaling and Kangchenjunga Himalayas: *in* Tibet and High Asia; V (Kuhle, Matthias, editor), **GeoJournal**, 47(1-2), p. 341-372, illus. incl. sketch map, 18 ref., 1999. Includes 3 fold-out pages of photographs.

58006044

König, O. (University of Goettingen, Department of Geography, Gottingen, Federal Republic of Germany).

Preliminary results on the last-high-glacial glaciation of the Rolwaling Himal and the Kangchenjunga Himal (Nepal, E-Himalaya): *in* Tibet and High Asia; V (Kuhle, Matthias, editor), **GeoJournal**, 47(1-2), p. 373-384, illus. incl. sketch map, 23 ref., 1999. Includes 1 fold-out page of photographs.

58006045

Oceanographic Services.

Beaufort Sea ice movement study 1975-1976: Oceanographic Services, Santa Barbara, CA, variously paginated, illus. incl. sketch map, tables, 11 ref., September 1976. (OSI543 Santa Barbara, California). Final report.

58006046

Grundstein, Andrew J. (University of Delaware, Department of Geography, Newark, DE) and Leathers, Daniel L.

A spatial analysis of snow-surface energy exchanges over the Northern Great Plains of the United States in relation to synoptic scale forcing mechanism: **International Journal of Climatology**, 19(5), p. 489-511, illus. incl. sketch maps, 15 ref., April 1999.

58006047

Mazza, Alvaro (Via Parini 98, Arcore, Italy).

Some results of recent investigations on Ghiacciaio del Belvedere (Anzasca Valley, Western Alps) taking into account the glacier mechanics: **Geografia Fisica e Dinamica Quaternaria (Testo stampato)**, 23(1), p. 59-71 (Italian sum.), illus. incl. 1 table, 31 ref., 2000.

58006048

Pecci, Massimo (ISPESL, Dipartimento Insediamenti Produttivi e Interazione con l'Ambiente, Italy) and Smiraglia, Claudio.

Advance and retreat phases of the Karakorum glaciers during the 20th century; case studies in Braldo Valley; Pakistan: **Geografia Fisica e Dinamica Quaternaria (Testo stampato)**, 23(1), p. 73-85 (Italian sum.), illus. incl. 5 tables, sketch map, 21 ref., 2000.

58006049

Surian, Nicola (Universita di Padova, Dipartimento di Geologia, Padua, Italy) and Pellegrini, Giovanni Battista.

Paraglacial sedimentation in the Piave Valley (Eastern Alps, Italy); an example of fluvial processes conditioned by glaciation: **Geografia Fisica e Dinamica Quaternaria (Testo stampato)**, 23(1), p. 87-92 (Italian sum.), illus. incl. 2 tables, sketch maps, 36 ref., 2000.

58006050

Greer, Christopher Bryan.

A three-dimensional geostatistical model for the White River aquifer system, Marion County, Indiana: Master's, 1997, Wright State University, Dayton, OH.

58006051

Toudal, Leif (Technical University of Denmark, Lyngby, Denmark).

Latest ESOP/IMSI/IWICOS ice and weather info: Technical University of Denmark, Lyngby, Denmark, illus. incl. sketch maps, June 24, 1999. WWW. Accessed June 19, 2004.
<http://www.dcrs.dtu.dk/DCRS/latest-ice.html>

58006052

China, Harbin Railway Administration, Qiqihar Research Institute of Science and Technology.

Introduction to the study of railway construction in permafrost region; Da Hinggan Ling, China: Qiqihar Research Institute of Science and Technology, Heilongjiang, China, 37 p., (Chinese), illus., 1984.

58006127

Ketcham, S. A. (CRREL, U. S. Army Engineer Research and Development Center, Hanover, NH); Moran, M. L.; Anderson, T. S.; Greenfield, R. J. and Hestholm, S. O.

Accuracy and long-duration stability of 3D finite-difference seismic simulations including viscoelasticity and topography; application to basin geology [abstr.]: *in* Abstracts of the 73rd annual meeting of the Seismological Society of America, **Seismological Research Letters**, 74(2), p. 203, April 2003. *Meeting:* April 29-May 3, 2003, San Juan, Puerto Rico. CRREL Report No: ERDC/CRREL MP-04-6269