

58000783

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

Nature and behavior of dislocations in ice: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 3-24, illus. incl. 9 tables, 47 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000786

Gow, Anthony J. (U. S. ARmy Cold Regions Research and Engineering Laboratory, Hanover, NH) and Engelhardt, Hermann.

Preliminary analysis of cores from Siple Dome, West Antarctica: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 63-82, illus. incl. 1 table, sketch map, 20 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan. CRREL Report No: ERDC/CRREL MP-04-6147

58000789

Azuma, Nobuhiko (Nagaoka University of Technology, Niigata, Japan).

Modeling of textural evolution in polar ice sheets [abstr.]: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 115, 3 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000790

Thorsteinsson, Thorsteinn (Alfred-Wegener-Institut für Polar- und Meeresforschung, Sektion Geophysik, Bremerhaven, Federal Republic of Germany) and Dahl-Jensen, Dorthe.

Recrystallization in uniaxial compression test on ice from GRIP core, central Greenland [abstr.]: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 116, 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000791

Dahl-Jensen, Dorthe (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Thorsteinsson, Thorsteinn and Alley, Richard B.

Simulation of uniaxial compression tests using Taylor-type models in which crystal rotation and recrystallization processes are included [abstr.]: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 117, 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000792

Johnsen, Sigfús J. (University of Copenhagen, Niels Bohr Institute, Copenhagen, Netherlands); Clausen, Henrik B.; Cuffey, Kurt M.; Hoffmann, Georg; Schwander, Jakob and Creyts, Timothy.

Diffusion of stable isotopes in polar firn and ice; the isotope effect in firn diffusion: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 121-140, illus., 47 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000793

Nakawo, Masayoshi (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan); Hashimoto, Shigemasa; Ageta, Yutaka and Miyazaki, Nobuo.

Isotope studies of a snow layer in a temperate region; isotope balance and temporal change: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 141-151, illus., 17 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000796

Fujita, Shuji (Hokkaido University, Department of Applied Physics, Sapporo, Japan); Matsuoka, Takeshi; Ishida, Toshihiro; Matsuoka, Kenichi and Mae, Shinji.

A summary of complex dielectric permittivity of ice in the megahertz range and its applications for radar sounding of polar ice sheets: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 185-212, illus. incl. 3 tables, 63 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000797

Goto-Azuma, Kumiko (National Institute of Polar Research, Tokyo, Japan) and Koerner, Roy M.

Processes affecting ice-core chemical stratigraphy [abstr.]: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 213, 3 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000798

Nakamura, Kazuki (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan); Nakawo, Masayoshi; Ageta, Yutaka; Goto-Azuma, Goto and Kamiyama, Kokichi.

Post-depositional loss of nitrate in surface snow layers of the Antarctic ice sheet [abstr.]: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 214, illus., 1 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000802

Blunier, Thomas (University of Bern, Climate and Physics, Physics Institute, Bern, Switzerland) and Schwander, Jakob.

Gas enclosure in ice; age difference and fractionation: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 307-326, illus., 28 ref., 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000804

Kameda, Takao (Kitami Institute of Tecnology, Kitami, Japan) and Narita, Hideki.

Characteristics of air bubble formation in firn-ice transition layer of polar ice sheets [abstr.]: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 359, 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58000809

Kipfstuhl, Sepp (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Kuhs, Werner F.; Pauer, Frank and Shoji, Hitoshi.

Transformation of air bubbles into air hydrate crystals from the NGRIP ice core [abstr.]: *in* Physics of ice core records (Hondoh, Takeo, editor), Hokkaido University Press, Sapporo, Japan, p. 459, 2000. *Meeting*: International symposium, Sept. 14-17, 1998, Shikotsukohan, Japan.

58001005

U. S. Army Corps of Engineers, Detroit District.

Great Lakes and St. Lawrence Seaway Navigation Season Extension; technical appendices; Volume II: variously paginated, 30 ref., March 1979. *Available from*: U. S. Army Corps of Engineers, Detroit District, Detroit, MI, United States.

58001188

Lichvar, R. (U. S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS); Gustina, G. and Ericsson, M.

Planning level delineation and geospatial characterization of aquatic resources for San Jacinto and portions of Santa Margarita watersheds, Riverside County, California: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-4, 90 p., March 2003. *Available from*: National Technical Information Service, (703)605-6900, order number ADA414887NEG, Springfield, VA, United States. Technical report.

58001600

Elder, Kelly (Colorado State University, Fort Collins, CO) and Goodbody, Angus, editors.

Proceedings of the Western snow conference 70th annual meeting: **Proceedings of the Western Snow Conference**, 70, 169 p., illus. incl. tables, sketch maps, May 2002. *Meeting*: May 20-23, 2002, Granby, CO. Individual papers within scope are cited separately.

58001601

Julander, Randall P. (U. S. Department of Agriculture, Natural Resources Conservation Service) and Perkins, Tom.

A historical comparison of snowpack averages in Utah: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 1-10, illus. incl. 2 tables, 8 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001602

Hiemstra, Christopher A. (University of Wyoming, Department of Botany, Laramie, WY); Reiners, William A. and Liston, Glen E.

Spatial relationships between snow and ecosystem properties in a Wyoming alpine treeline ecotone; linking simulations and observations: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 11-20, illus. incl. sketch map, 15 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001603

Rango, Albert (U. S. Department of Agriculture, ARS, Jornada Experimental Range, Las Cruces, NM); Gomez-Landesa, Enrique and Bleiweiss, Max.

Comparative satellite capabilities for remote sensing of snow cover in the Rio Grande Basin: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 21-26, illus. incl. 1 table, 6 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001604

Bitner, David (National Oceanic and Atmospheric Administration, National Weather Service, Chanhassen, MN); Carroll, Tom; Cline, Don and Romanov, Peter.

An assessment of the differences between three satellite snow cover mapping techniques: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 27-36, illus. incl. 5 tables, sketch map, 8 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001605

Painter, Thomas H. (University of California at Santa Barbara, Institute for Computational Earth System Science, Santa Barbara, CA) and Dozier, Jeff.

Measurements of the bidirectional reflectance of snow at fine spectral and angular resolution: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 37-48, illus. incl. 1 table, 17 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001606

Williams, Mark W. (University of Colorado, Department of Geography and Institute of Arctic and Alpine Research, Boulder, CO) and Knoll, Mike.

Measuring material properties of a wet and draining snowpack using crosshole radar tomography: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 49-57, illus., 35 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001607

Liu, Fengjing (University of Colorado, Department of Geography and Institute of Arctic and Alpine Research, Boulder, CO); Williams, Mark W.; Webb, Richard and Ackerman, Todd.

Application of XTOP_PRMS model in Green Lakes Valley, Colorado Front Range; runoff simulation and flowpath identification: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 58-66, illus., 21 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001608

Erickson, Tyler (University of Colorado at Boulder, Institute of Arctic and Alpine Research and Department of Geography, Boulder, CO) and Donahue, Deborah.

Relational databases as a tool to manage environmental data at the research plot scale: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 67-72, illus., 5 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001609

DeWalle, David R. (Pennsylvania State University, School of Forest Resources, University Park, PA); Henderson, Zachary and Rango, Albert.

Spatial and temporal variations in snowmelt degree-day factors computed from SNOTEL data in the upper Rio Grande Basin: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 73-81, illus. incl. 3 tables, sketch map, 7 ref., May 2002. *Meeting:* May 20-23, 2002, Granby, CO.

58001610

Byrne, J. (University of Lethbridge, Lethbridge, AB, Canada); Townshend, I.; Lapp, S. and Kienzle, S.

GCM upper air winter synoptic links to winter precipitation in the Western United States: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 82-87, illus. incl. sketch map, 10 ref., May 2002. *Meeting:* May 20-23, 2002, Granby, CO.

58001611

Pattee, Scott (Natural Resources Conservation Service, Mount Vernon, WA).

Is peak snowpack in the North Cascade Mountains decreasing over time?: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 88-97, illus. incl. 2 tables, sketch map, 6 ref., May 2002. *Meeting:* May 20-23, 2002, Granby, CO.

58001612

Selkowitz, David J. (U. S. Geological Survey, Northern Rocky Mountain Science Center, West Glacier, MT); Fagre, Daniel B. and Reardon, Blase A.

Spatial and temporal snowpack variation in the crown of the continent ecosystem: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 98-109, illus. incl. 6 tables, sketch map, 20 ref., May 2002. *Meeting:* May 20-23, 2002, Granby, CO.

58001613

Johnson, Jerome B. (U. S. Army Cold Regions Research and Engineering Laboratory, Fort Wainwright, AK) and Schaefer, Garry L.

The influence of thermal, hydrologic and snow deformation mechanisms on snow water equivalent pressure sensor accuracy: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 110-121, illus. incl. 1 table, 14 ref., May 2002. *Meeting:* May 20-23, 2002, Granby, CO. CRREL Report No: ERDC/CRREL MP-03-6120

58001614

Bardsley, Tim (Desert Research Institute, Division of Hydrologic Sciences, Reno, NV) and McConnell, Joe.

Investigations toward understanding the spatial representativeness of SNOTEL measurements of snow water equivalence: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 122-129, illus. incl. sketch map, 9 ref., May 2002. *Meeting:* May 20-23, 2002, Granby, CO.

58001615

Deems, J. S. (Montana State University, Department of Earth Sciences, Bozeman, MT); Birkeland, K. W. and Hansen, K. J.

Geographic variation in snow temperature gradients in a mountain snowpack: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 130-137, illus. incl. 4 tables, sketch map, 23 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001616

Goodbody, Angus (Colorado State University, Department of Earth Resources, Fort Collins, CO); Elder, Kelly and Davis, Robert E.

Diurnal and seasonal soil moisture variation along a forested and regenerating clearcut hillslope in Colorado: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 138-143, illus. incl. 2 tables, sketch map, 10 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO. CRREL Report No: ERDC/CRREL MP-03-6121

58001617

Julander, Randall P. (Natural Resources Conservation Service, Snow Survey).

Soil moisture data collection and water supply forecasting; the sequel: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 144-148, illus., 5 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001618

Kattelmann, Richard (P. O. Box 1090, Mammoth Lakes, CA).

Snow hydrology of the Bear Creek Basin, Sierra Nevada: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 149-152, illus., 2 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001619

Lundquist, Jessica D. (University of California at San Diego, Scripps Institution of Oceanography, La Jolla, CA); Knowles, Noah; Dettinger, Michael and Cayan, Daniel.

Snow, topography, and the diurnal cycle in streamflow: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 153-156, illus. incl. sketch map, 10 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58001620

Erxleben, J. (Colorado State University, Department of Earth Resources, Fort Collins, CO); Elder, Kelly and Davis, Robert E.

Comparison of spatial interpolation methods for estimating snow distribution in the Colorado Rocky Mountains: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 157-167, illus. incl. 5 tables, sketch map, 29 ref., May 2002. *Meeting*: May 20-23, 2002, Granby, CO. CRREL Report No: ERDC/CRREL MP-03-6122

58001621

Julander, Randall P. (U. S. National Resources Conservation Service, Snow Surveys, Salt Lake City, UT).

Will anyone remember us? Part II: *in* Proceedings of the Western snow conference 70th annual meeting (Elder, Kelly, editor; *et al.*), **Proceedings of the Western Snow Conference**, 70, p. 168-169, May 2002. *Meeting*: May 20-23, 2002, Granby, CO.

58002077

Hilgert, Jerry W. (Pacific Northwest Research Station, Institute of Northern Forestry, Fairbanks, AK) and Slaughter, Charles W.

Water quality and streamflow in the Caribou-Poker Creeks Research Watershed, central Alaska, 1979: **Research Note PNW. United States, Forest Service**, Rep. No. PNW-RN-463, 34 p., illus. incl. 13 tables, sketch map, 18 ref., 1987.

58002079

Mackenzie, D. W., chairperson (U. S. Coast Guard Cutter Polar Star).

USCGS Polar Star Arctic west summer 2002 cruise report: 38 p., illus. incl. 4 tables, 2003. *Available from*: U. S. Department of Transportation, U. S. Coast Guard, Seattle, WA, United States. Includes 4 appendices.

58002081

Geiger, Cathleen; Sandven, Stein and Johannessen, Ola M.

AXBT and XBT temperature measurements from MIZEX 1983, 1984 and 1985: **Technical Report - Nansen Remote Sensing Center**, 1, unpaginated, illus. incl. 4 tables, 2 ref., January 1987. Includes as appendix reprint of *Eos*, Vol. 67, No. 23, p. 513-517, June 10, 1986.

58002082

Angelov, Elisabet Idar (SLU, Department of Economics, Uppsala, Sweden).

The studded tire; a fair bargain? A cost-benefit assessment: **VTI Sartryck**, Rep. No. 354A, 48 p., illus. incl. 14 tables, 51 ref., 2003. Includes 4 appendices; Master's thesis in Environmental Economics, Department of Economics, SLU, Uppsala, Sweden, 2003.

58002083

Jenkins, Thomas F. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Bartolini, Claudia and Ranney, Thomas A.

Stability of CL-20, TNAZ, HMX, RDX, NG, and PETN in moist, unsaturated soil: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-03-7, 17 p., illus. incl. 10 tables, 14 ref., April 2003.

58002084

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

Remote assessment of army tactical river crossing sites using lidar imagery: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-03-11, 57 p., illus., 2 ref., July 2003. Includes appendix.

58002089

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

Eagle River Flats Remediation Project; comprehensive bibliography, 1998 to 2003: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-03-15, 47 p., August 2003.

58002090

Daly, Steven F. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

A state-space model for river ice forecasting: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-9, 105 p., illus. incl. 8 tables, 44 ref., May 2003.

58002091

Janoo, Vincent (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Irwin, Lynne and Haehnel, Robert.

Pavement subgrade performance study; project overview: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-5, 70 p., illus. incl. 14 tables, sketch map, 24 ref., March 2003.

58002094

Seifert, Rita Furst (Washington Research Consultants, Washington, DC) and Glynn, Thomas J.

Great Lakes sociological assessment survey; an analysis of the impact of an extended winter navigation season upon four Great Lakes industry groups: 112 p., illus. incl. 49 tables, October 22, 1976. *Available from:* U. S. Department of Commerce, Maritime Administration, Washington, DC, United States. Includes 4 appendices.

58002095

Visneski, D. J., chairperson (U. S. Coast Guard Cutter Healy).

Arctic west summer 2002; USCGC Healy (WAGB 20), 27 April-12 October 2002: variously paginated, illus. incl. tables, sketch maps, December 2002. *Available from:* U. S. Department of Transportation, U. S. Coast Guard, Seattle, WA, United States. Includes 5 appendices.

58002096

Lang, Renee M.

An experimental and analytical study on gravity-driven free surface flows of cohesionless granular media: 139 p., illus. incl. 2 tables, 114 ref., Doctoral, 1992, Technische Hochschule Darmstadt, Darmstadt, Federal Republic of Germany. Includes appendices.

58002222

Hibler, W. D., III (Dartmouth College, Thayer School of Engineering, Hanover, NH); Geiger, Cathleen and Song, Xiong.

Ice rheology modifications for the Canadian regional ice forecasting model: Dartmouth College, Thayer School of Engineering, Hanover, NH, 66 p., illus., 14 ref., August 1995. Prepared for the Ice Services Environment Canada, Ottawa, Canada; contract No. KM149-4-P074/01-SS; includes 3 appendices.

58002223

Bernthal, Frederick M., chairperson (National Science Foundation, Washington, DC).

Strategy for integrated U.S. Arctic research programs: 33 p., illus. incl. sketch maps, 11 ref., February 1991. *Available from:* National Science Foundation, Washington, DC, United States.

58002224

Sharpe, David Robert.

Glacial sediments and landforms, southern Victoria Island, N.W.T. Canada: 253 p. (French sum.), illus. incl. block diags., strat. cols., geol. sketch maps, 503 ref., Doctoral, 1991, University of Ottawa, Ottawa, ON, Canada. Includes appendices.

58002357

Geiger, Cathleen A.

An assessment of convective process relevant to deep water formation in the Boreas Basin: 108 p., illus. incl. tables, sketch map, 40 ref., Master's, 1990, University of Bergen, Bergen, Norway. Includes appendix.

58002428

Bowers, Thomas J. (National Weather Service, Anchorage, AK).

Alaska's multifarious flash flood events: *in* Proceedings of the American Meteorological Society conference on Flash floods; hydrometeorological aspects, American Meteorological Society, Boston, MA, p. 80-89, illus. incl. 1 table, sketch map, 5 ref., 1978. *Meeting:* May 2-3, 1978, Los Angeles, CA.

58002429

Gerard, R. (University of Alberta, Department of Civil Engineering, Edmonton, AB, Canada).

Notes on ice jams: 18 p., illus., 44 ref., 19??. *Available from:* Informal notes, Canada. Includes 2 appendices.

58002493

U. S. Army Corps of Engineers, Omaha District.

Ice dusting of the Platte River: 25 p., illus. incl. 2 tables, 3 plates; hydrologic map, 6 ref., 1994. *Available from:* U. S. Army Corps of Engineers, Omaha District, Emergency Management Division, Emergency Management Division, Omaha, NE, United States. Prepared for Emergency Management Division, Omaha District, Corps of Engineers.

58002494

Anonymous.

Ice engineering: Nippon Kokan, Japan, unpaginated, illus. incl. 1 table, 19??.

58002495

Dutta, Piyush K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Vaidya, Uday.

A study of the long-term applications of vinyl sheet piles: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-19, 82 p., illus., 37 ref., August 2003. Includes 5 appendices.

58002498

U. S. Bureau of Land Management and U. S. Minerals Management Service.

Northwest National Petroleum Reserve-Alaska; integrated activity plan/environmental impact statement; executive summary: Rep. No. BLM/AK/PL-04/002, 6 p., illus. incl. 2 tables; petroleum maps, November 2003. *Available from:* U. S. Department of the Interior, Bureau of Land Management, Anchorage, AK, United States. Final report.

58002542

Anonymous.

Integrated transboundary water management: Universities Council on Water Resources, 8 p., illus. incl. sketch map, 2 ref., 2002. *Meeting:* UCOWR, EWRI, NGWA, CEIWR 2002 joint conference, July 23-26, 2002, Traverse City, MI. CRREL Report No: ERDC/CRREL MP-04-6144

58002548

Liu, Lanbo (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Arcone, Steve A.

Numerical simulation of the wave-guide effect of the near-surface thin layer on radar wave propagation: **Journal of Environmental & Engineering Geophysics**, 8(2), p. 133-141, illus., 21 ref., June 2003. CRREL Report No: ERDC/CRREL MP-04-6150

58002549

Liu, Lanbo (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Guo, Tieshuan.

Determining the condition of hot mix asphalt specimens in dry water-saturated, and frozen conditions using GPR: **Journal of Environmental & Engineering Geophysics**, 8(2), p. 143-149, illus. incl. 1 table, 18 ref., June 2003. NSF Grant EAR-9712012. CRREL Report No: ERDC/CRREL MP-04-6151

58002551

Groflen, Mons (SINTEF, Norway) and Paauw, Anthonius J.

Materials technology challenges imposed by offshore activities in the Arctic: 17 p., 19??. *Available from:* Informal notes, Norway.

58002639

Fine, John.

Icebreakers! Delivering cargo, or saving the whales, icebreakers are pulling their weight in the frozen researches of the Arctic: **Popular Mechanics (New York, 1959)**, February, p. 56-59, 124, illus., February 1989.

58002640

Straube, W. L. (Geo-Centers, Washington, DC); Nestler, C. C.; Hansen, C. C.; Ringleberg, D.; Pritchard, P. H. and Jones-Meehan, J.

Remediation of polyaromatic hydrocarbons (PAHs) through landfarming with biostimulation and bioaugmentation: **Acta Biotechnologica**, 23(2-3), p. 179-196, illus. incl. 5 tables, 40 ref., 2003. CRREL Report No: ERDC/CRREL MP-04-6153

58002697

Gaigerov, S. S.

Voprosy aerologicheskogo stroeniia, tsirkulyatsii i klimata svobodnoi atmosfery tsentral'noi arktiki i Antarktiki [Problems of aerological structure, circulation and climate of free atmosphere in central Arctic region and in Antarctica]: *in the collection* Meteorologii; II razedel programmy Mezhdunarodnogo Geofizicheskogo GodaýT Meteorology; II section of International Geophysical Year program (Bugaev, V. A., editor). Academy of Sciences of USSR, Moscow, USSR, 4, 315 p. (English sum.), illus., 284 ref., 1969.

58002709

Colt, Steve (University of Alaska Anchorage, Institute of Social and Economic Research, Anchorage, AK) and Forster, Mary.

Yukon-Kuskokwim region sanitation utility management options; type I market feasibility study: University of Alaska Anchorage, Institute of Social and Economic Research, Anchorage, AK, 38 p., illus. incl. 12 tables, sketch maps, 23 ref., January 1996. Prepared for the U. S. Army Corps of Engineers, Partners in Environmental Progress Program; collaboration with Yukon-Kuskowim Health Corporation and Alan Joseph, Director of Tribal Support Services; includes 7 appendices.

58002710

Johansson, Bengt M. and Makinen, Eero.

Icebreaking model tests ordered by the U.S. Maritime Administration from Wartsila; systematic variation of bow lines and main dimensions of hull forms suitable for the Great Lakes: Wartsila Icebreaking Model Basin, Helsinki, Finland, 13 p., illus., 5 ref., 1973. Presented at the meeting of the Great Lakes Section of SNAME, January 25th, 1973, Cleveland, Ohio, USA.

58002713

Ekholm, Virpi.

Kerrostalon muuraus-ja rappauustyöt talvella; toteutusedellytysten kehittäminen [Implementation of masonry and plaster work in cold weather conditions]: **VTT Tiedotteita**, 2214, 80 p. (English sum.), illus. incl. 9 tables, 19 ref., 2003. ISBN: 951-38-6181-3; 951-38-6182-1. Includes 5 appendices.

publisher <http://www.vtt.fi/inf/pdf/>

58002715

Dutta, Piyush K. (U. S. Army Engineering and Engineering Laboratory, Hanover, NH).

Recycled plastic/wood composite for guardrail posts: **Plastics in Building Construction**, 25(12), p. 7-12, illus. incl. 4 tables, 4 ref., December 2002. Presented at the 2nd international conference on Advanced engineered wood composites in Bethel, Maine, 2002. CRREL Report No: ERDC/CRREL MP-04-6161

58002716

Standley, Edwin (University of Hull, Department of Engineering, Hull, United Kingdom); Umnova, Olga; Attenborough, Keith; Cummings, Alan and Dutta, Piyush K.

Shock wave reflection measurements on porous materials: **Noise Control Engineering Journal**, 50(6), p. 224-230, illus. incl. 4 tables, 4 ref., December 2002. CRREL Report No: ERDC/CRREL MP-04-6162

58002892

Rubin, Bruce.

New Mexico Tech's Nelia Dunbar returns from Antarctica's icy blast: **Pay Dirt**, 731, p. 14-15, illus., May 2000.

58002894

Pulkkinen, Erkki (University of Oulu, Department of Mechanical Engineering, Oulu, Finland).

Numerical modelling of ice behaviour: **Acta Universitatis Ouluensis, Series C, Technica**, 46, 122 p., illus. incl. 6 tables, 123 ref., 1988. ISBN: 951-42-2586-4. Includes 3 appendices.

58002895

Wu, Xiaolei (U. S. Department of Agriculture, Agriculture Research Service, Logan, UT); Larson, Steven R.; Hu Zanmin; Palazzo, Antonio J.; Jones, Thomas A.; Wang, Richard R. C.; Jensen, Kevin B. and Chatterton, N. Jerry.

Molecular genetic linkage maps for allotetraploid *Lyemus* wildryes (Gramineae, Triticeae): **Genome (Ottawa. Print)**, 46(4), p. 627-646 (French sum.), illus. incl. 2 tables, 74 ref., 2003. CRREL Report No: ERDC/CRREL MP-04-6165

58002897

Zhukov, V. F.; Vodolazkin, V. M. and Korobeinik, T. M., editors.

Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina [General and engineering geocryology in connection with Pechora coal basin development]: **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheva, Severnoe Otdelenie**, 2, 106 p., illus., 1962. Individual papers are cited separately.

58002898

Zhukov, V. F. (Institut Merzlotovedeniia im. V. A. Obrucheva, Russian Federation).

25 let nauchnoi raboty v vorkute instituta merzlotovedeniia im. V. A. Obrucheva akademii nauk SSSR [25 years of scientific work in Obruchev Institute of Permafrost of USSR Academy of Sciences in Vorkuta]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheva, Severnoe Otdelenie**, 2, p. 5-12, 25 ref., 1962.

58002899

Ivanova, T. F. (Institut Merzlotovedeniia im. V. A. Obrucheva, Russian Federation).

Geokriyologicheskoe rayonirovanie territorii evropeiskogo severa [Geocryological mapping of European northern territories]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheva, Severnoe Otdelenie**, 2, p. 13-17, illus., 14 ref., 1962.

58002900

Bobov, N. G. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Kriyogennoe stroenie pokrovnykh suglinkov i ikh znachenie v razvitii rel'efa na vostoke bol'shezemel'skoi tundry [Cryogenic structure of surface loam deposits and the significance in relief formation in eastern Bolshezemelskaia Tundra]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 18-26, illus., 29 ref., 1962.

58002901

Bakalov, S. A. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Metody stroyatel'stva v Vorkutskom rayone [Construction methods in Vorkuta region]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 27-32, illus., 5 ref., 1962.

58002902

Kondratova, N. S. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Vliianie inzhenernoi podgotovki poverkhnosti grunta na sostavlyaiushchie teploebmena v rayone vorkuty [Influence of engineering preparation of soils on permafrost heat exchange in Vorkuta region]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 33-35, illus. incl. 1 table, 3 ref., 1962.

58002903

Nadezhdin, A. V. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Issledovanie zakonomernostei proiavlennia gornogo davleniia v vertikal'nykh shakhtnykh stvolakh kombinata "Vorkutugol'" [Regularities of lithostatic pressure distribution in vertical mining columns of Vorkutugol' industrial complex]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 36-40, illus. incl. 1 table, 12 ref., 1962.

58002904

Novikov, F. Ia. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Protaiwanie merzlykh gruntov v osnovanii terrikonikov i kruglykh zdaniy [Permafrost thawing underneath foundations of waste piles and round building]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 41-50, illus. incl. 5 tables, 8 ref., 1962.

58002905

Boiko, I. V. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Termovlazhnostnyy rezhim vozdukha v shakhtakh vorkutskogo mestorozhdeniia [Thermal-moisture air regime in Vorkuta Field coal mines]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 51-58, illus. incl. 1 table, 4 ref., 1962.

58002906

Filippovskii, S. M. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Ispol'zovanie vozdukha s estestvennoi otritsatel'noi temperaturoi dlya zamorazhivaniia gruntov [Application of air with natural negative temperature for freezing of soils and rocks]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 59-65, illus., 4 ref., 1962.

58002907

Vodolazkin, V. M. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Prochostnyye kharakteristiki ottaiavshikh glinistykh gruntov na razlichnykh stadiiakh konsolidatsii [Strength properties of thawed clay on different consolidation stages]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 66-72, illus. incl. 1 table, 11 ref., 1962.

58002908

Kolesov, A. A. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Osadki pri ottaiivani mngoletnemerzlogo allyuviial'nogo suglinka Vorgashorskogo ugol'nogo mestorozhdeniia [Sedimentation during alluvial loam permafrost thawing on Vorgashorskoe coal field]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 73-81, illus. incl. 3 tables, 10 ref., 1962.

58002909

Khrustalev, L. N. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Vodopronitsaemost' glinistykh gruntov sloia sezonnogo promerzaniia-protaiivaiaia v usloviakh estestvennogo zaleganiia [Hydraulic conductivity of seasonally freezing-thawing clay soils layer in natural conditions]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 82-87, 5 ref., 1962.

58002910

Zaporozhtseva, I. V. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation) and Tokareva, D. A.

Rezul'taty cverki moshchnosti merzlykh porod, opredelennoi pri interpretatsii krivykh VEZ, s moshchnost'iu, poluchennoi po raschetnomu metodu D. V. Redozubova [Results of permafrost rock thickness verification during VES (vertical electrical sounding) curves interpretation with thickness calculated based on D. V. Redozubov equation]: *in* Voprosy obshchei i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 88-94, illus. incl. 3 tables, 5 ref., 1962.

58002911

Eroshenko, V. N. (Institut Merzlotovedeniia im. V. A. Obrucheve, Russian Federation).

Primenenie karbinol'nogo kleia dlya tselei elektrotenzometrii v usloviakh mnogoletnemerzlykh gruntov [Carbinolic glue application for electrotensiometry in permafrost]: *in* Voprosy obshechi i inzhenernoi geokriyologii, svyazannye s promyshlennym osvoeniem pechorskogo ugol'nogo Basseina (Zhukov, V. F., editor; *et al.*), **Trudy Instituta Merzlotovedeniia im. V.A. Obrucheve, Severnoe Otdelenie**, 2, p. 95-100, illus. incl. 1 table, 10 ref., 1962.

58002938

Kaiser, Klaus F. (Swiss Federal Institute of Forestry Research, Switzerland).

Late glacial reforestation in the Swiss Mittelland and in Wisconsin illustrated by the Daetttau and the Two Creeks buried forests: *in* Proceedings of the international symposium on Ecological aspects of tree-ring analysis (Jacoby, G. C., editor; *et al.*), U. S. Department of Energy, U. S. Environmental Protection Agency, U. S. Forest Service, p. 291-297, 19 ref., April 1987. *Available from*: National Technical Information Service, Springfield, VA, United States. (CONF-8608144). *Meeting*: Aug. 17-21, 1986, Terrytown, NY.

58002972

Dutta, Piyush K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Mosallam, Ayman.

A rapid field test method to evaluate concrete composite adhesive bonding: **International Journal of Materials & Product Technology**, 19(1-2), p. 53-67, illus. incl. 2 tables, 9 ref., 2003. CRREL Report No: ERDC/CRREL MP-04-6172

58002973

Dutta, Piyush K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

An investigation into the design and manufacture of FRP composite W-beam guardrail: **International Journal of Materials & Product Technology**, 19(1-2), p. 130-152, illus. incl. 4 tables, 17 ref., 2003. CRREL Report No: ERDC/CRREL MP-04-6173

58002980

Lawrence, Donald Buermann and Elson, John Albert.

Periodicity of deglaciation in North America since the late Wisconsin maximum: **Geografiska Annaler**, p. 83-104, illus., Stockholm, 1953. (årg. 35, häfte, 2).

58003432

Hardy, Janet P. (U. S. Army Cold Regions Research Engineering Laboratory, Hanover, NH) and Frankenstein, Susan, editors.

Proceedings of the Fifty-ninth annual Eastern snow conference: **Proceedings of the Annual Eastern Snow Conference**, 59, 329 p., illus., 2002. ISBN: 0-920081-24-X. *Meeting*: June 5-7, 2002, Stowe, VT. Individual papers within scope are cited separately. CRREL Report No: ERDC/CRREL MP-04-6190

58003433

Ménard, Patrick (Université Laval, Laboratoire de Télédétection et de Modélisation des Environnements Froids, Sainte-Foy, PQ, Canada); Duguay, Claude R.; Flato, Greg M. and Rouse, Wayne R.

Simulation of ice phenology on a large lake in the Mackenzie River basin (1960-2000): *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 3-12 (French sum.), illus. incl. 1 table, sketch map, 24 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003434

Pivot, Frédérique C. (Université Laval, Département de Géographie, Sainte-Foy, PQ, Canada); Duguay, Claude R.; Brown, Ross D.; Durchiron, Bertrand and Kergomard, Claude. Remote sensing of snow cover for climate monitoring in the Canadian Subarctic; a comparison between SMMR-SSM/I and NOAA-AVHRR sensors: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 15-25, illus., 30 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003435

Molotch, N. P. (University of Arizona, Department of Hydrology and Water Resources, Tucson, AZ); Fassnacht, S. R.; Helfrich, S. R. and Bales, R. C.

Estimating the distribution of snow water equivalent and snow extent beneath the cloud-cover in the Salt-Verde River basin, Arizona: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 27-43, illus. incl. 1 table, sketch maps, 29 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003436

Gidda, Christine (University of Guelph, School of Engineering, Guelph, ON, Canada); Whiteley, Hugh; Rubinstein, Irene and Dony, Robert.

Comparison of satellite-based data with modeled snow-water equivalent for open and forested areas: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 45-54, illus. incl. 3 tables, 6 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003437

Hall, Dorothy K. (NASA, Goddard Space Flight Center, Hydrological Sciences Branch, Greenbelt, MD); Solberg, Rune and Riggs, George A.

Validation of satellite snow-cover maps in North America and Norway: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 55-63, illus. incl. 2 tables, 13 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003438

Janowicz, J. R. (Indian and Northern Affairs Canada, Water Resources Division, Whitehorse, YT, Canada); Gray, D. M. and Pomeroy, John W.

Characterisation of snowmelt infiltration scaling parameters within a mountainous subarctic watershed: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 67-81, illus. incl. 4 tables, sketch map, 37 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003439

Talbot, J. (Université Laval, Centre de Recherche en Biologie Forestière, Sainte-Foy, PQ, Canada) and Plamondon, A. P.

The diminution of snowmelt rate with forest regrowth as an index of peak flow hydrologic recovery, Montmorency Forest, Quebec: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 85-91, illus., 17 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003440

Pomeroy, John W. (University of Wales, Centre for Glaciologic, Institute of Geography and Earth Sciences, Aberystwyth, United Kingdom); Gray, D. M.; Hedstrom, N. R. and Janowicz, J. R.

Physically based estimation of seasonal snow accumulation in the boreal forest: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 93-108, illus. incl. 1 table, 22 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003441

Rowlands, Aled (University of Wales, Institute of Geography and Earth Sciences, Aberystwyth, United Kingdom); Pomeroy, John W.; Hardy, Janet P.; Marks, Danny; Elder, Kelly and Melloh, Rae.

Small-scale spatial variability of radiant energy for snowmelt in a mid-latitude sub-alpine forest: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 109-117, illus. incl. 1 table, 13 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT. CRREL Report No: ERDC/CRREL MP-04-6191

58003442

Voisin, N. (McGill University, Atmospheric and Oceanic Sciences Department, Montreal, PQ, Canada); Leighton, H. G.; Soulis, E. D. and Feng, J.

Sensitivity of the Mackenzie River basin hydrology to solar radiation uncertainties: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 135-144, illus., 12 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003443

Granger, R. J. (Environment Canada, National Water Research Institute, Canada); Pomeroy, John W. and Parviainen, J.

Boundary layer integration approach to advection of sensible heat to a patchy snow cover: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 147-159, illus., 17 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003444

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

Simulating wind fields and snow redistribution using terrain-based parameters to model snow accumulation and melt over a semi-arid mountain catchment: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 161-180, illus. incl. sketch maps, 51 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003445

Marks, Danny (U. S. Department of Agriculture, Agriculture Service, Northwest Watershed Research Center, Boise, ID); Winstral, Adam and Seyfried, Mark.

Simulation of terrain and forest shelter effects on patterns of snow deposition, snowmelt, and run-off over a semi-arid mountain catchment: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 181-202, illus. incl. 3 tables, sketch maps, 27 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003446

Derksen, Chris (Meteorological Service of Canada, Climate Research Branch, Downsview, ON, Canada); Brown, R.; Walker, A. and Brasnett, Bruce.

Comparison of model, snow course, and passive microwave derived snow water equivalent data for western North America: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 203-213, illus. incl. 2 tables, 19 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003447

Brown, R. (Meteorological Service of Canada, Climate Research Branch, Dorval, PQ, Canada); Brasnett, Bruce and Robinson, D.

Development of a gridded North American snow depth and water equivalent dataset for GCM validation; results with an enhanced snowpack model: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 215-217, illus., 6 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003448

Fassnacht, S. R. (Colorado State University, Department of Forest, Rangeland and Watershed Stewardship, Fort Collins, CO); Yusuf, F. and Kouwen, N.

January 1999 storms dumped snow on southern Ontario, yet limited streamflow resulted: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 223-233, illus. incl. 5 tables, sketch maps, 19 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003449

Whiffen, Bruce (Environment Canada, Meteorological Service of Canada, Mount Pearl, NF, Canada).

One for the history books; the winter of 2000-01 in St. John's, Newfoundland: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 235-241, illus. incl. 4 tables, 6 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT. Includes appendix.

58003450

Econopouly, Thomas W. (NOAA, National Weather Service, Northeast River Forecast Center, Taunton, MA).

Aquisition and use of snow water equivalent data at the Northeast River Forecast Center: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 243-248, illus. incl. sketch map, 3 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003451

Denner, Jon C. (U. S. Geological Survey, Montpelier, VT); **Shanley, James B. and Wemple, Beverley.**

Comparison of runoff from a ski resort and adjacent undeveloped watershed in northern Vermont [abstr.]: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 249, 2002. *Meeting:* June 5-7, 2002, Stowe, VT.

58003452

Koh, Gary (U. S. Army Cold Regions Research Engineering Laboratory, Hanover, NH); **Mulherin, Nathan D.; Hardy, Janet P.; Davis, Robert E. and Twombly, Asa.**

Microwave interaction with snowpack observed at the cold land processes field experiment: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 251-254, illus., 2002. *Meeting:* June 5-7, 2002, Stowe, VT. CRREL Report No: ERDC/CRREL MP-04-6192

58003453

Fortin, Guillaume (INRS-Ete, Sainte-Foy, PQ, Canada); **Jones, Gerald H.; Bernier, Monique and Schneebeli, Martin.**

Changes in the structure and permeability of artificial ice layers containing fluorescent tracer in cold and wet snow cover: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 257-266, illus. incl. 1 table, 16 ref., 2002. *Meeting:* June 5-7, 2002, Stowe, VT.

58003454

Taylor, Susan (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); **Feng, Xiahong; Williams, Mark and McNamara, James.**

How isotopic fractionation of snowmelt affects hydrograph separation: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 285-293, illus. incl. 2 tables, 38 ref., 2002. *Meeting:* June 5-7, 2002, Stowe, VT. NSF Grants ATM-9628759, EAR-9903281, EAR-9526875, DEB-9810218, and OPP-9814984. CRREL Report No: ERDC/CRREL MP-04-6193

58003455

Huntington, T. G. (U. S. Geological Survey, Augusta, ME); **Hodgkins, G. A. and Dudley, R. W.**

Historical trend in ice thickness on the Piscataquis River in central Maine: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 299-312, illus. incl. 1 table, 48 ref., 2002. *Meeting:* June 5-7, 2002, Stowe, VT.

58003456

Lenormand, Frédéric (Université Laval, Département de Géographie, Sainte-Foy, PQ, Canada); **Duguay, Claude R. and Gauthier, Roger.**

Development of a historical ice database for the study of climate change in Canada: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 313-324, illus. incl. 1 table, 22 ref., 2002. *Meeting:* June 5-7, 2002, Stowe, VT.

58003494

Koenig, George G. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Tofsted, David H.

Solar flux initialization schemes for distributed surface energy budget modeling: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-03-13, 63 p., illus. incl. 12 tables, 19 ref., August 2003. *Available from:* National Technical Information Service, Springfield, VA, United States.

58003495

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

On-site processing and subsampling of surface soil samples for the analysis of explosives: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-03-14, 20 p., 4 tables, 21 ref., August 2003. *Available from:* National Technical Information Service, Springfield, VA, United States.

58003496

Palazzo, Antonio J. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Hardy, Susan E. and Jensen, Kevin B.

Improved native grasses and establishment methods for use on military training lands: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-03-20, 112 p., illus. incl. 29 tables, 73 ref., October 2003. *Available from:* National Technical Information Service, Springfield, VA, United States. Includes appendices.

58003581

McCarthy, J. H., editor.

Collected experimental resistance component and flow data for three surface ship model hulls: 48 p., illus., 6 ref., September 1985. *Available from:* David W. Taylor Naval Ship Research and Development Center, Bethesda, MD, United States. Includes appendices.

58003591

Hackett, James Edward.

Relation between earth resistivity and glacial deposits near Shelbyville, Illinois: **Circular - Illinois State Geological Survey**, Rep. No. 223, 19 p., illus., 1956.

58003592

Sorteberg, H. K. (Norwegian Water Resources and Energy Directorate, Hydrology Department, Oslo, Norway); Engeset, R. V. and Udnaes, H. C.

A national network for snow monitoring in Norway; snow pillow verification using observations and models: **Physics and Chemistry of the Earth. Part C: Solar-Terrestrial and Planetary Science**, 26(10-12), p. 723-729, illus. incl. 1 table, sketch maps, 27 ref., 2001.

58003593

Godard, Alain (University of Paris I, Paris, France); Simon-Coinçon, Régine and Lagasquie, Jean-Jacques.

Planation surfaces in basement terrains: *in* Basement regions (Godard, Alain, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 9-34, illus. incl. block diag., sects., geol. sketch maps, 2001.

58003594

André, Marie-Françoise (University of Clermont-Ferrand, Clermont-Ferrand, France); Etlicher, Bernard; Godard, Alain; Sellier, Dominique and van Vliet-Lanoë, Brigitte.

Cryogenic processes and ice-related restructuring of the regolith in metamorphic and igneous terrains: *in* Basement regions (Godard, Alain, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 147-169, illus. incl. 3 tables, 2001.

58003595

André, Marie-Françoise (University of Clermont-Ferrand, Clermont-Ferrand, France); Peulvast, Jean-Pierre; Godard, Alain and Sellier, Dominique.

Landscape development in Arctic, Sub-Arctic and Circum-Arctic Shield environments: *in* Basement regions (Godard, Alain, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 199-220, illus. incl. 2 tables, sects., block diag., 2001.

58003596

Clare, G. R. (University of Otago, Department of Geography, Dunedin, New Zealand); Fitzharris, B. B.; Chinn, T. J. H. and Salinger, M. J.

Interannual variation in end-of-summer snowlines of the Southern Alps of New Zealand, and relationships with Southern Hemisphere atmospheric circulation and sea surface temperature patterns: **International Journal of Climatology**, 22(1), p. 107-120, illus. incl. 2 tables, sketch map, 53 ref., January 2002.

58003597

Golonka, Jan (Jagiellonian University, Institute of Geological Sciences, Cracow, Poland).

Plate-tectonic maps of the Phanerozoic: *in* Phanerozoic reef patterns (Kiessling, Wolfgang, editor; *et al.*), **Special Publication - Society for Sedimentary Geology**, 72, p. 21-75, illus. incl. geol. sketch maps, 275 ref., July 2002. Includes glossary.

58003598

Copper, Paul (Laurentian University, Department of Earth Sciences, Sudbury, ON, Canada).

Silurian and Devonian reefs; 80 million years of global greenhouse between two ice ages: *in* Phanerozoic reef patterns (Kiessling, Wolfgang, editor; *et al.*), **Special Publication - Society for Sedimentary Geology**, 72, p. 181-238, illus. incl. geol. sketch maps, 510 ref., July 2002.

58003599

Wahlman, Gregory P. (BP Amoco, Houston, TX).

Upper Carboniferous-Lower Permian (Bashkirian-Kungurian) mounds and reefs: *in* Phanerozoic reef patterns (Kiessling, Wolfgang, editor; *et al.*), **Special Publication - Society for Sedimentary Geology**, 72, p. 271-338, illus. incl. 8 plates, sketch maps, 500 ref., July 2002.

58003600

Watts, Robert J. (Bournemouth University, School of Conservation Sciences, Bournemouth, United Kingdom) and Carr, Simon J.

A laboratory simulation of the subglacial deforming bed (the deformation tank): **Quaternary Newsletter**, 98, p. 1-9, illus., 18 ref., October 2002.

58003601

McCarroll, Danny (University of Wales, Department of Geography, United Kingdom) and Ballantyne, Colin K.

Nunataks and the surface altitude of the last ice-sheet in southern Snowdonia, Wales; discussion: **Quaternary Newsletter**, 98, p. 10-14, illus., 13 ref., October 2002. For reference to original see Hughes, P. D., *Quat. Newsl.*, Vol. 97, p. 19-25, 2002.

58003602

Hughes, Philip D. (University of Cambridge, Department of Geography, Cambridge, United Kingdom).

Nunataks and the surface altitude of the last ice-sheet in southern Snowdonia, Wales; reply: **Quaternary Newsletter**, 98, p. 15-17, illus., 3 ref., October 2002. For reference to discussion see McCarroll, D. and Ballantyne, C., *Quat. Newsl.*, Vol. 98, p. 10-14, 2002; for reference to original see Hughes, P. D., *Quat. Newsl.*, Vol. 97, p. 19-25, 2002.

58003603

Glasser, Neil (University of Wales, Centre for Glaciology, Aberystwyth, United Kingdom).

Glacial meltwater erosion and sedimentation in the lower Afon Teifi, West Wales: **Quaternary Newsletter**, 98, p. 38-40, 15 ref., October 2002.

58003604

Innes, J. B. (University of London, Department of Geography, London, United Kingdom).

Radiocarbon (AMS) dating of the Betula pollen rise in the Isle of Man: **Quaternary Newsletter**, 98, p. 47-50, illus. incl. sketch map, 12 ref., October 2002.

58003605

O'Cofaigh, Colm (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom).

Late Quaternary glacial facies associated with ice-stream recession in the Irish Sea, Screen Hills, South-east Ireland: **Quaternary Newsletter**, 98, p. 51-53, 10 ref., October 2002.

58003606

Adair, Sue (Royal Holloway University of London, Department of Geography, London, United Kingdom).

Glacio-fluvial transfer processes in a Norwegian High Arctic catchment: **Quaternary Newsletter**, 98, p. 57-58, illus., October 2002.

58003607

Adam, William G. (Keele University, School of Earth Sciences and Geography, Keele, United Kingdom).

Debris from the basal ice layer of glaciers and ice sheets: **Quaternary Newsletter**, 98, p. 59-60, 3 ref., October 2002.

58003608

Briant, Rebecca (University of Cambridge, Department of Geography, Cambridge, United Kingdom).

Fluvial responses to rapid climate change in eastern England during the last glacial period: **Quaternary Newsletter**, 98, p. 61-62, illus., 2 ref., October 2002.

58003609

Haresign, Eleanor (University of Saint Andrews, School of Geography and Geosciences, Fife, United Kingdom).

Calving dynamics at the lake-terminating Glacier Leones, Chilean Patagonia: **Quaternary Newsletter**, 98, p. 63-66, illus., 6 ref., October 2002.

58003610

Kilfeather, Aoibheann (University of London, Department of Geography, London, United Kingdom).

Extensive sub-glacial water-escape structures at the northern margin of Myrdalsjokull Glacier, Iceland: **Quaternary Newsletter**, 98, p. 67-68, 3 ref., October 2002.

58003611

Nicholson, Lindsey (University of Saint Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom).

Ablation processes and surface evolution of debris-covered glaciers, Ngozumpa Glacier, Khumbu Himal, Nepal: **Quaternary Newsletter**, 98, p. 69-71, illus., 5 ref., October 2002.

58003612

Rae, Alaric C. (Conventry University, Geography Department, Coventry, United Kingdom).

Upper ice limits of the LGM on mountains of the Beara Peninsula, South west Ireland: **Quaternary Newsletter**, 98, p. 72-75, illus. incl. 1 table, 15 ref., October 2002.

58003613

Williams, Stewart (Queen's University Belfast, School of Geography, Belfast, United Kingdom).

Plateau-valley glacier systems and their reconstruction; Sydbreen, an example from North Norway: **Quaternary Newsletter**, 98, p. 76-79, illus. incl. sketch map, 13 ref., October 2002.

58003614

Robertson, Iain (Council for Scientific and Industrial Research, Environmentek, Quaternary Dating Research Unit, Pretoria, South Africa).

$\delta^{13}\text{C}$ of tree-ring lignin as an indirect measure of climate change: **Quaternary Newsletter**, 98, p. 54-56, illus., 5 ref., October 2002.

58003615

Sabadini, R. (Universita di Milano, Dipartimento di Scienze della Terra, Milan, Italy); Marotta, A. M.; De Franco, R. and Vermeersen, L. L. A.

Style of density stratification in the mantle and true polar wander induced by ice loading: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(10), 17 p., illus. incl. 3 tables, 36 ref., October 10, 2002.

58003616

Velicogna, Isabella (University of Colorado, Department of Physics, Boulder, CO) and Wahr, John.

A method for separating Antarctic postglacial rebound and ice mass balance using future ICESat geoscience laser altimeter system, gravity recovery and climate experiment, and GPS satellite data: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(10), 11 p., illus. incl. 1 table, geol. sketch maps, 22 ref., October 10, 2002.

58003617

Majorowicz, Jacek (Northern Geothermal, Edmonton, AB, Canada); Safanda, Jan and Skinner, Walter.

East to west retardation in the onset of the recent warming across Canada inferred from inversions of temperature logs: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(10), 12 p., illus. incl. geol. sketch maps, 54 ref., October 10, 2002.

58003618

Melling, Humfrey (Fisheries and Oceans Canada, Institute of Ocean Sciences, Sidney, BC, Canada).

Sea ice of the northern Canadian Arctic Archipelago: **Journal of Geophysical Research, C, Oceans**, 107(11), 21 p., illus. incl. 2 tables, geol. sketch maps, 49 ref., November 15, 2002.

58003619

Elskens, Marc (Vrije Universiteit Brussel, Laboratory for Analytical and Environmental Chemistry, Brussels, Belgium); Baeyens, Willy; Cattaldo, Thierry and Dehairs, Frank.

N uptake conditions during summer in the Subantarctic and Polar frontal zones of the Australian sector of the Southern Ocean: **Journal of Geophysical Research, C, Oceans**, 107(11), 11 p., illus. incl. 1 table, sects., 40 ref., November 15, 2002.

58003620

Schlichtholz, P. (Polish Academy of Sciences, Institute of Oceanology, Sopot, Poland).

On a modified arrested topographic wave in Fram Strait: **Journal of Geophysical Research, C, Oceans**, 107(11), 9 p., illus. incl. geol. sketch maps, 22 ref., November 15, 2002.

58003621

Charbit, S. (CEA-CNRS, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Rabouille, C. and Siani, G.

Effects of benthic transport processes on abrupt climatic changes recorded in deep-sea sediments; a time-dependent modeling approach: **Journal of Geophysical Research, C, Oceans**, 107(11), 19 p., illus. incl. 2 tables, 56 ref., November 15, 2002.

58003622

Ohshima, Kay I. (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Wakatsuchi, Masaaki and Fukamachi, Yasushi.

Near-surface circulation and tidal currents of the Okhotsk Sea observed with satellite-tracked drifters: **Journal of Geophysical Research, C, Oceans**, 107(11), 18 p., illus. incl. 4 tables, geol. sketch maps, 42 ref., November 15, 2002.

58003623

Hohmann, R. (Lamont-Doherty Earth Observatory, Palisades, NY); Schlosser, P.; Jacobs, S.; Ludin, A. and Weppernig, R.

Excess helium and neon in the Southeast Pacific; tracers for glacial meltwater: **Journal of Geophysical Research, C, Oceans**, 107(11), 14 p., illus. incl. geol. sketch maps, sects., 47 ref., November 15, 2002.

58003624

Kendall, R. (University of Toronto, Department of Physics, Toronto, ON, Canada); Mitrovica, J. X. and Sabadini, R.

Lithospheric thickness inferred from Australian post-glacial sea-level change; the influence of a ductile crustal zone: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. geol. sketch map, 16 ref., May 1, 2003.

58003625

Métaxian, Jean-Philippe (Institut de Recherche pour le Développement, Paris, France); Araujo, Sebastián; Mora, Mauricio and Lesage, Philippe.

Seismicity related to the glacier of Cotopaxi Volcano, Ecuador: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. geol. sketch map, 15 ref., May 1, 2003.

58003626

Mahowald, Natalie M. (University of California at Santa Barbara, Bren School of Environmental Science and Management, Santa Barabara, CA) and Kiehl, Lisa M.

Mineral aerosol and cloud interactions: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. geol. sketch maps, 19 ref., May 1, 2003.

58003627

Kiilsholm, Sissi (Danish Meteorological Institute, Copenhagen, Denmark); Christensen, Jens Hesselbjerg; Dethloff, Klaus and Rinke, Annette.

Net accumulation of the Greenland ice sheet; high resolution modeling of climate changes: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. 2 tables, geol. sketch maps, 32 ref., May 1, 2003.

58003628

Joughin, Ian (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA) and Padman, Laurence.

Melting and freezing beneath Filchner-Ronne Ice Shelf, Antarctica: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. 2 tables, 27 ref., May 1, 2003.

58003629

Meredith, Michael P. (Bidston Observatory, Proudman Oceanographic Laboratory, Merseyside, United Kingdom); Hughes, Chris W. and Foden, Peter R.

Downslope convection north of Elephant Island, Antarctica; influence on deep waters and dependence on ENSO: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. geol. sketch map, 22 ref., May 1, 2003.

58003630

Hughes, Chris W. (Proudman Oceanographic Laboratory, Bidston, United Kingdom); Woodworth, Philip L.; Meredith, Michael P.; Stepanov, Vladimir; Whitworth, Thomas and Pyne, Alexander R.

Coherence of Antarctica sea levels, Southern Hemisphere annular mode, and flow through Drake Passage: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. geol. sketch maps, 13 ref., May 1, 2003.

58003631

Hirawake, Toru (National Institute of Polar Research, Tokyo, Japan); Kudoh, Sakae; Aoki, Shigeru and Rintoul, Stephen R.

Eddies revealed by SeaWiFS ocean color images in the Antarctic divergence zone near 140°E: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. geol. sketch map, 16 ref., May 1, 2003.

58003632

Haak, H. (Max-Planck-Institut fuer Meteorologie, Hamburg, Federal Republic of Germany); Jungclaus, J.; Mikolajewicz, U. and Latif, M.

Formation and propagation of great salinity anomalies: **Geophysical Research Letters**, 30(9), 4 p., illus. incl. geol. sketch maps, 18 ref., May 1, 2003.

58003633

Marty, Christoph (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK); Philipona, Rolf; Delamere, Jennifer; Dutton, Ellsworth G.; Michalsky, Joe; Stamnes, Knut; Storvold, Rune; Stoffel, Tom; Clough, Shepard A. and Mlawer, Eli J.

Downward longwave irradiance uncertainty under arctic atmospheres; measurements and modeling: **Journal of Geophysical Research, D, Atmospheres**, 108(12), 12 p., illus. incl. 1 table, 33 ref., June 27, 2003.

58003634

Jouzel, J. (IPSL, Laboratoire des Sciences du Climat et de l'Environnement, Gif sur Yvette, France); Vimeux, F.; Caillon, N.; Delaygue, G.; Hoffmann, G.; Masson-Delmotte, V. and Parrenin, F.

Magnitude of isotope/temperature scaling for interpretation of central Antarctic ice cores: **Journal of Geophysical Research, D, Atmospheres**, 108(12), 10 p., illus. incl. geol. sketch map, 54 ref., June 27, 2003.

58003635

Eugster, Werner (University of Bern, Geographical Institute, Bern, Switzerland); Kling, George; Jonas, Tobias; McFadden, Joseph P.; Wüest, Alfred; MacIntyre, Sally and Chapin, F. Stuart, III.

CO₂ exchange between air and water in an Arctic Alaskan and midlatitude Swiss lake; importance of convective mixing: **Journal of Geophysical Research, D, Atmospheres**, 108(12), 19 p., illus. incl. 1 table, 70 ref., June 27, 2003.

58003636

Frei, Allan (City University of New York at New York, Department of Geography, New York, NY); Miller, James A. and Robinson, David A.

Improved simulations of snow extent in the second phase of the Atmospheric Model Intercomparison Project (AMIP-2): **Journal of Geophysical Research, D, Atmospheres**, 108(12), 17 p., illus. incl. 5 tables, geol. sketch maps, 72 ref., June 27, 2003.

58003637

Lubin, Dan (Scripps Institution of Oceanography, San Diego, CA); Lynch, Stephen; Clarke, Rory; Morrow, Esther and Hart, Steven.

Increasing reflectivity of the Antarctic ocean-atmosphere system; analysis of total ozone mapping spectrometer (TOMS) and passive microwave data for 1979-1994: **Journal of Geophysical Research, D, Atmospheres**, 108(13), 8 p., illus. incl. geol. sketch map, 27 ref., July 16, 2003.

58003638

Watterson, I. G. (Commonwealth Scientific and Industrial Research Organisation, Division of Atmospheric Research, Aspendale, Victoria, Australia) and Dix, M. R.

Simulated changes due to global warming in daily precipitation means and extremes and their interpretation using the gamma distribution: **Journal of Geophysical Research, D, Atmospheres**, 108(13), 20 p., illus. incl. 4 tables, geol. sketch maps, 29 ref., July 16, 2003.

58003639

Kim, E. J. (NASA, Goddard Space Flight Center, Laboratory for Hydrospheric Processes, Greenbelt, MD) and England, A. W.

A yearlong comparison of plot-scale and satellite footprint-scale 19 and 37 GHz brightness of the Alaskan North Slope: **Journal of Geophysical Research, D, Atmospheres**, 108(13), 15 p., illus. incl. 6 tables, geol. sketch map, 48 ref., July 16, 2003.

58003640

Buzorius, G. (Brookhaven National Laboratory, Atmospheric Science Division, Upton, NY); Rannik, U.; Aalto, P.; dal Maso, M.; Nilsson, E. D.; Lehtinen, K. E. and Kulmala, M.

On particle formation prediction in continental boreal forest using micrometeorological parameters: **Journal of Geophysical Research, D, Atmospheres**, 108(13), 10 p., illus., 23 ref., July 16, 2003.

58003641

Gautrois, M. (Forschungszentrum Julich, Julich, Federal Republic of Germany); Brauers, T.; Koppmann, R.; Rohrer, F.; Stein, O. and Rudolph, J.

Seasonal variability and trends of volatile organic compounds in the lower polar troposphere: **Journal of Geophysical Research, D, Atmospheres**, 108(13), 16 p., illus. incl. 10 tables, geol. sketch maps, 50 ref., July 16, 2003.

58003642

Nakao, Michiyo (Kobe Women's Junior College, Kobe, Japan); Ohno, Giichiro; Ozawa, Miki; Yamamoto, Takako and Morimoto, Taketoshi.

Analysis of nutritional supply for personnel wintering-over at Syowa Station, Antarctica (JARE-39): **Nankyoku Shiryo = Antarctic Record**, 46(3), p. 543-553, (English), illus. incl. 5 tables, 12 ref., November 2002.

58003643

Kato, Yoshitaka (National Institute of Polar Research, Tokyo, Japan).

Activities of the summer party of the 42nd Japanese Antarctic Research Expedition in 2000-2001: **Nankyoku Shiryo = Antarctic Record**, 46(3), p. 565-578, (Japanese) (English sum.), illus. incl. 4 tables, 1 ref., November 2002.

58003644

Odate, Tsuneo (National Institute of Polar Research, Tokyo, Japan).

Activities of the summer party of the 43rd Japanese Antarctic Research Expedition, marine science cruise 2002: **Nankyoku Shiryo = Antarctic Record**, 46(3), p. 579-600, (Japanese) (English sum.), illus. incl. 1 table, 8 ref., November 2002.

58003645

Odate, Tsuneo (National Institute of Polar Research, Tokyo, Japan) and Fukuchi, Mitsuo.

Report on workshop "Marine Science Program using a charter research vessel"; report of activities in JARE-43 and science plan for JARE-44: **Nankyoku Shiryo = Antarctic Record**, 46(3), p. 601-620, (Japanese) (English sum.), illus. incl. 4 tables, sketch map, 11 ref., November 2002.

58003646

Serreze, Mark C. (University of Colorado, Cooperative Institute for Research in Environmental Sciences, Boulder, CO) and Etringer, Andrew J.

Precipitation characteristics of the Eurasian Arctic drainage system: **International Journal of Climatology**, 23(11), p. 1267-1291, illus. incl. 2 tables, sketch maps, 34 ref., September 2003. NSF Grants OPP-9732461, OPP-9910315, OPP-9907541, OPP-9906906 and OPP-0138018.

58003647

Satoh, Kengo (Kitami Institute of Technology, Kitami, Japan); Takahashi, Shuhei and Tanifuji, Takashi.

Threshold wind velocity for snow particle movement and its variation with snow surface condition: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 189-196, (Japanese) (English sum.), illus. incl. 1 table, 9 ref., May 2003.

58003648

Sato, Takeshi (National Research Institute for Earth Science and Disaster Prevention, Snow and Ice Research Group, Yamagata-ken, Japan) and Higashiura, Masao.

Relationship between the saltation layer structure of drifting snow and meteorological and snow surface conditions: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 197-206, (Japanese) (English sum.), illus. incl. 1 table, 19 ref., May 2003.

58003649

Oikawa, Susumu (Shimizu Corporation, Institute of Technology, Tokyo, Japan) and Tomabeche, Tsukasa.

Formation processes of the deposition and erosion of snow around a model building: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 207-218, (Japanese), illus. incl. 1 table, 17 ref., May 2003.

58003650

Maki, Masayuki (National Research Institute for Earth Science and Disaster Prevention, Ibaraki, Japan).

Formation of strong winds associated with snow clouds observed by a single Doppler radar: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 219-229, (Japanese) (English sum.), illus. incl. 2 tables, 15 ref., May 2003.

58003651

Tomabechi, Tsukasa (Hokkaido Institute of Technology, Sapporo, Japan); Hosokawa, Kazuhiko and Tsuchiya, Manabu.

Field measurement of snowdrift on a two-level flat roof model: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 231-239, (Japanese) (English sum.), illus. incl. 1 table, 3 ref., May 2003.

58003652

Sugiura, Konosuke (Frontier Observational Research System for Global Change, Yokohama, Japan) and Maeno, Norikazu.

Impact, rebound and ejection of snow particles in drifting snow: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 241-247, (Japanese), illus., 13 ref., May 2003.

58003653

Nemoto, Masaki (Niigata University, Research Institute for Hazards in Snowy Areas, Niigata, Japan) and Nishimura, Kouichi.

Recent studies on physical model of blowing snow and future research directions: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 249-260, (Japanese), illus., 52 ref., May 2003.

58003654

Fukushima, Yusuke (Nagaoka University of Technology, Department of Civil and Environmental Engineering, Nagaoka, Japan).

Comparison between vertical profile equations for sediments and snowdrifts; unified view of solid particle suspension flow: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 261-270, (Japanese), illus., 24 ref., May 2003.

58003655

Takeuchi, Masao (Yukiken Snow Eaters Company, Sapporo, Japan).

For the control of blowing snow; 5, Technical development in the use of snow fences: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 271-278, (Japanese), illus., 22 ref., May 2003.

58003656

Sato, Takeshi (National Research Institute for Earth Science and Disaster Prevention, Snow and Ice Research Group, Yamagata-ken, Japan).

Wind tunnel experiments of drifting snow: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 279-285, (Japanese), illus., 30 ref., May 2003.

58003657

Mitsubishi, Hiromi (Nihon University, Department of Architecture College of Science and Technology, Tokyo, Japan).

Snowdrifting on building and wind tunnel experiment using model snow: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 287-295, (Japanese), illus. incl. 2 tables, 25 ref., May 2003.

58003658

Otsuki, Masaya (Japan Weather Association Hokkaido Regional Office, Sapporo, Japan); Hatakeyama, Takuji and Takitani, Katsuyuki.

Forecast of the reduced visibility in blowing snow: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 297-302, (Japanese), illus. incl. 3 tables, 5 ref., May 2003.

58003659

Yokoyama, Kotaro (National Agricultural Research Organization, Hokuriku Research Center, Joetsu, Japan); Ohno, Hiroyuki; Kominami, Yasuhiro; Inoue, Satoshi and Kawakata, Toshikazu.

Performance of Japanese precipitation gauges in winter: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 303-316, (Japanese) (English sum.), illus. incl. 2 tables, 26 ref., May 2003.

58003660

Matoba, Sumito.

Report on the cross-checks on snow samplings and chemical analyses carried out in the "Yuki-Gasshuku (Snow Camp) 2002" held by the Subcommittee on Snow and Ice Chemistry: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(3), p. 317-321, (Japanese), illus. incl. 2 tables, May 2003.

58003661

Usachev, Vladimir F. (State Hydrological Institute, St. Petersburg, Russian Federation).

The role of remote sensing for flood control; monitoring of Russian rivers: **GIM International**, 17(8), p. 34-35, 37, illus. incl. sketch maps, 3 ref., August 2003.

58003662

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* Western Cordillera and adjacent areas (Swanson, Terry W., editor), **GSA Field Guide**, 4, p. 137-157, illus. incl. sect., geol. sketch maps, 57 ref., 2003.

58003663

Rubensdotter, L. (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden) and Rosqvist, G.

The effect of geomorphological setting on Holocene lake sediment variability, northern Swedish Lapland: **JQS. Journal of Quaternary Science**, 18(8), p. 757-767, illus. incl. strat. cols., 1 table, geol. sketch maps, 65 ref., December 2003.

58003664

Houmark-Nielsen, Michael (University of Copenhagen, Geological Institute, Copenhagen, Denmark) and Henrik Kjaer, Kurt.

Southwest Scandinavia, 40-15 kyr BP; palaeogeography and environmental change: **JQS. Journal of Quaternary Science**, 18(8), p. 769-786, illus. incl. sects., 2 tables, geol. sketch maps, 120 ref., December 2003.

58003665

Moreno, Patricio I. (Universidad de Chile, Departamento de Ciencias Ecológicas, Santiago, Chile) and León, Ana L.

Abrupt vegetation changes during the last glacial to Holocene transition in mid-latitude South America: **JQS. Journal of Quaternary Science**, 18(8), p. 787-800, illus. incl. strat. col., 2 tables, sketch map, 54 ref., December 2003.

58003666

Kondratyev, Kirill Ya. (Russian Academy of Sciences, Scientific Research Centre for Ecological Safety Nansen Foundation for Environment and Remote Sensing, St. Petersburg, Russian Federation); Krapivin, Vladimir F. and Varotsos, Costas A.

Global carbon cycle and climate change: *in the collection* Springer-Praxis books in environmental Sciences (Mason, John, editor). Praxis Publishing, Chichester, United Kingdom, Springer-Verlag, 368 p., illus. incl. tables, 519 ref., 2003. ISBN: 3-540-00809-8.

58003667

Vinogradova, A. A. (Russian Academy of Sciences, Oboukhov Institute of Atmospheric Physics, Moscow, Russian Federation).

Long-term variations in the processes of polluting the Arctic atmosphere: **Izvestiya, Atmospheric and Oceanic Physics**, 39(6), p. 722-731, illus. incl. 4 tables, 15 ref., December 2003.

58003668

Spada, Giorgio (Universita di Urbino, Istituto di Fisica, Urbino, Italy); Antonioli, Andrea; Boschi, Lapo; Brandi, Valter; Cianetti, Spina; Galvani, Gabriele; Giunchi, Carlo; Perniola, Bruna; Agostinetti, Nicola Piana; Piersanti, Antonio and Stocchi, Paolo.

Modeling Earth's post-glacial rebound: **Eos, Transactions, American Geophysical Union**, 85(6), p. 62, 64, illus. incl. geol. sketch map, 6 ref., February 10, 2004.

58003669

Weaver, Robert M. (Hydrosphere Resource Consultant, Boulder, CO); Belander, Laura; Todd, Andrew; McKnight, Diane and Wyatt, Lane.

Abandoned mines, mountain sports, and climate variability; implications for the Colorado tourism economy; discussion and reply: **Eos, Transactions, American Geophysical Union**, 85(8), p. 79, 3 ref., February 24, 2004. For reference to original see Todd, A., McKnight, Diane and Wyatt, Lane; **Eos, Transactions**, Vol. 84, No. 38, p. 377, 386, 2003.

58003670

Stephenson, D. M. (Ontario Geological Survey, Sedimentary Geoscience Section, Canada) and Morris, T. F.

Project Unit 98-55; Quaternary geology mapping and overburden sampling, Opasatika Lake-Roche Lake areas, northeastern Ontario: *in* Summary of field work and other activities 1998 (Ayer, J. A., editor; *et al.*), **Ontario Geological Survey Miscellaneous Paper**, Rep. No. 169, p. 259-261, sketch map, 20 ref., 1999.

58003671

Hamilton, S. M. (Ontario Geological Survey, Sedimentary Geoscience Section, Canada) and McClenaghan, M. B.

Project Unit 98-59; field data in support of electrochemical transport of elements through thick glacial overburden: *in* Summary of field work and other activities 1998 (Ayer, J. A., editor; *et al.*), **Ontario Geological Survey Miscellaneous Paper**, Rep. No. 169, p. 267-274, illus. incl. sects., 16 ref., 1999.

58003672

Oldfield, Frank (PAGES IPO, Bern, Switzerland).

The past is not over yet; PAGES at the Congress: **Global Change Newsletter**, 38, p. 11-13, illus., June 1999.

58003673

Masters, John M. (Illinois State Geological Survey, Champaign, IL) and Evans, R. Douglas.

Geological characteristics of Illinois gravel deposits affecting IDOT freeze-thaw test results: **Contract/Grant Report - Illinois. Geological Survey Division**, Rep. No. 1987-1, 84 p., illus. incl. 25 tables, sketch maps, 24 ref., March 1987. (Prepared in cooperation with the Illinois Department of Transportation). Includes appendix.

58003674

Brown, Susan.

Environmental impact assessment of nongovernmental activities in Antarctica: 18 p., 1999. *Available from:* U. S. Environmental Protection Agency, Office of Federal Activities, Washington, DC, United States.

58003680

Marlow, Lisa (University of Minnesota-Duluth, Department of Geological Sciences, Duluth, MN); Mooers, Howard and Larson, Phillip.

Glacial lakes Aitkin and Upham; their origin and environmental history [abstr.]: *in* 49th annual meeting; proceedings and abstracts (Woodruff, Laurel G., editor; *et al.*), **Proceedings and Abstracts - Institute on Lake Superior Geology. Meeting**, 49, Part 1, p. 47-48, 10 ref., May 2003. *Meeting:* Institute on Lake Superior Geology, May 7-11, 2003, Iron Mountain, MI.

58003682

Klumov, B. A. (Institute for Dynamics of Geospheres, Moscow, Russian Federation) and Berezhnoi, A. A.

Possible origin of lunar ice: *in* Lunar exploration 2000 (Foing, B. H., editor; *et al.*), **Advances in Space Research**, 30(8), p. 1875-1881, illus., 14 ref., 2002. *Meeting:* B0.2 symposium of COSPAR Scientific Commission B, July 2000, Warsaw, Poland.

58003683

Muir, Derek (Environment Canada, National Water Research Institute, Burlington, ON, Canada); Bennie, Don; Teixeira, Camilla; Fisk, Aaron; Tomy, Gregg; Stern, Gary and Whittle, Mike.

Short chain chlorinated paraffins; are they persistent and bioaccumulative?: *in* Persistent, bioaccumulative, and toxic chemicals; II, Assessment and new chemicals (Lipnick, Robert L.; *et al.*), **ACS Symposium Series**, 773, p. 184-202, illus. incl. 6 tables, 50 ref., 2001. *Meeting:* Symposium of the American Chemical Society Division of Environmental Chemistry, March 21-25, 1999, Anaheim, CA.

58003684

Vetter, W. (Friedrich-Schiller-Universität Jena, Jena, Federal Republic of Germany).

Characterization of Q1, an unknown major organochlorine contaminant in the blubber of marine mammals from Africa, the Antarctic, and other regions: *in* Persistent, bioaccumulative, and toxic chemicals; II, Assessment and new chemicals (Lipnick, Robert L.; *et al.*), **ACS Symposium Series**, 773, p. 243-259, illus. incl. 2 tables, 27 ref., 2001. *Meeting*: Symposium of the American Chemical Society Division of Environmental Chemistry, March 21-25, 1999, Anaheim, CA.

58003685

Tiner, Ralph W. (U. S. Fish and Wildlife Service, Northeast Region, Hadley, MA).

Geographically isolated wetlands of the United States: *in* Isolated wetlands (Nadeau, Tracie-Lynn, prefacer; *et al.*), **Wetlands (Wilmington, NC)**, 23(3), p. 494-516, illus. incl. 1 table, sketch maps, 125 ref., September 2003. *Meeting*: 23rd annual Society of Wetland Scientists meeting, June 2002, Lake Placid, NY.

58003686

Vilfand, R. M. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Sadokov, V. P. and Tishenko, V. A.

O svyazi granitsy snezhnogo pokrova s intensivnost'yu tsiklonicheskoi deiatel'nosti v Severnom polusharii [Relationship between snow cover boundary and intensity of cyclonic activity in Northern Hemisphere]: **Meteorologiya i Gidrologiya**, 2002(9), p. 32-39 (English sum.), 4 ref., 2002.

58003687

Kil'myaninov, V. V. (Iakutskoe Mechregional'noe Ypravlenie po Gidrometeorologii i Monitoringu Okruzhaiushchei Sredy, Russian Federation).

O roli vodnosti v period zatoroobrazovaniia pri formirovanii maksimal'nykh urovnei vody na r. Lena u g. Lensk [Role of water content in ice-jam formation during maximum water levels in Lena River near Lensk]: **Meteorologiya i Gidrologiya**, 2002(9), p. 71-74 (English sum.), illus., 4 ref., 2002.

58003688

Kalyuzhnyy, I. L. (Gosudarstvennyy Gidrologicheskii Institut, Russian Federation) and Lavrov, S. A.

Soderzhanie nezamershshei vlagi v pochvakh rechnykh vodosborov pri otritsatel'nykh temperaturakh [Unfrozen water content in soils of river watersheds at negative temperatures]: **Meteorologiya i Gidrologiya**, 2002(10), p. 58-67 (English sum.), illus., 12 ref., 2002.

58003689

Bogdanovva, E. G. (Glavnaia Geofizicheskaya Observatoriya im. A. I. Voeikova, Russian Federation); Golubev, V. S.; Il'in, B. M. and Dragomilova, I. V.

Novaya model' korrekcirovki izmerennykh osadkov i ee primenenie v polyarnykh rayonakh Rossii [New model for correction of measured precipitation and its use in Russian polar regions]: **Meteorologiya i Gidrologiya**, 2002(10), p. 68-94 (English sum.), 54 ref., 2002.

58003690

Ginzburg, B. M. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Borshch, S. V.; Efremova, N. D.; Sil'nitskaia, M. I. and Polyakova, K. N.

Metody golgosrochnogog i srednesrochnogo prognoza srokov prokhozhdeniia maksimal'nogo urovnya vesennego polovod'ia na rekakh Evropeiskoi territorii Rossii [Long-term and mid-term forecasting method of maximum spring flooding dates for rivers of European Russia]:

Meteorologiya i Gidrologiya, 2002(11), p. 81-92 (English sum.), illus. incl. 3 tables, 12 ref., 2002.

58003691

Kil'myaninov, V. V. (Iakutskoe Mezhhregional'noe Territorial'noe Upravlenie po Gidrometeorologii i Monitoringu Okruzhaiushchei Sredy, Russian Federation).

Gidrodinamicheskie usloviia pri obrazovanii zatorov l'da na r. Lena i ikh iskusstvennom razrushenii [Hydrodynamic conditions of ice jam formation on Lena River and their artificial destruction]: **Meteorologiya i Gidrologiya**, 2003(3), p. 96-101, illus., 9 ref., 2003.

58003692

Mol'kentin, E. K. (Glavnaia Geofizicheskaiia Observatoriia im. A.I. Voeikova, Saint Petersburg, Russian Federation); Nadezhina, E. D. and Shklyarevich, O. B.

Model'nye otsenki vliianiia rastetel'nogo pokrova na degradatsiu vechnoi merzloty pri potepnenii klimata [Modeling estimates of vegetation cover effect on permafrost degradation during climate warming]: **Meteorologiya i Gidrologiya**, 2003(3), p. 87-95, illus. incl. 2 tables, 21 ref., 2003.

58003693

Zakharenkova, V. I. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation).

Poroda na territorii Rossiiskoi Federatsii v dekabre 2002 g. [Weather in Russian Federation in December of 2002]: **Meteorologiya i Gidrologiya**, 2003(3), p. 107-110, illus., 2003.

58003694

Grechikha, A. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie iavleniia na territorii Rossiiskoi Federatsii v dekabre 2002 g. [Anomalous hydrometeorological phenomena in Russian Federation in December of 2002]: **Meteorologiya i Gidrologiya**, 2003(3), p. 110-115, illus. incl. 1 table, 2003.

58003695

Zakharov, V. F. (Arkticheskii and Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation).

Izmeneniia v rasprostranenii morskikh arkticheskikh l'dov v XX veke [Variations in Arctic sea ice distribution in the 20th century]: **Meteorologiya i Gidrologiya**, 2003(5), p. 75-86 (English sum.), illus. incl. 3 tables, 20 ref., 2003.

58003696

Karol', I. L. (Glavnaia Geofizicheskaiia Observatoriia im. A. I. Voikova, Russian Federation); Egorova, T. A.; Zubov, V. A.; Ozolin, Iu. E. and Rozanov, E. V.

Antarkticheskaiia ozonovaia dyra zatyagivaetsya? [Is the Antarctic ozone hole decreasing?]: **Meteorologiya i Gidrologiya**, 2003(5), p. 106-110, illus., 10 ref., 2003.

58003697

Galín, V. Ia. (Rossiiskaia Akademiia Nauk, Institut Vychisletel'noi Matematiki, Russian Federation); Volodin, E. M. and Smyshlyaev, S. P.

Model' obshchei tsirkulyatsii atmosfery IVM RAN s dinamikoi ozona [Institute of Numerical Mathematics of Russian Academy of Sciences atmospheric general circulation model with ozone dynamics]: **Meteorologiya i Gidrologiya**, 2003(5), p. 13-23, illus., 16 ref., 2003.

58003698

Safarov, S. G. (Bakinskii Gosudarstvennyy Universitet, Azerbaijan).

Osobennosti izmeneniia klimata na territorii Azerbaidzhana v zimnii period [Climate change peculiarities in Azerbaijan in winter]: **Meteorologiya i Gidrologiya**, 2003(5), p. 44-53, illus. incl. 3 tables, 19 ref., 2003.

58003699

Shur, G. N. (Tsentral'naya Aerologicheskaya Observatoriya, Russian Federation);

Lepukhov, B. N. and Sokolov, L. A.

Mezostrukturna polei vetra i temperatury v stratosfere vysokikh shirot Iuzhnogo polushariia [Mesostructure of wind and temperature fields in high latitude stratosphere of Southern Hemisphere]: **Meteorologiya i Gidrologiya**, 2003(5), p. 54-61, illus., 6 ref., 2003.

58003700

Pishal'nik, V. M. (Sakhalinskii Nauchno-Issledovatel'skii institut Rybnogo Khozyaistva i Okeanografiu, Russian Federation); Arkhipkin, V. S.; Iurasov, G. I. and Ermolenko, S. S.

Sezonnye variatsii tsirkulyatsii vod v pribrezhnykh rayonakh o. Sakhalin [Seasonal variations of coastal water circulation near Sakhalin Island]: **Meteorologiya i Gidrologiya**, 2003(5), p. 87-95, 20 ref., 2003.

58003701

Satina, N. V. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation).

Pogoda na territorii Rossiiskoi Federatsii v Fevrale 2003 g. [Weather in Russian Federation in February of 2003]: **Meteorologiya i Gidrologiya**, 2003(5), p. 116-119, illus., 2003.

58003702

Grechikha, A. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie yavleniia na territorii Rossiiskoi Federatsii v Fevrale 2003 g. [Anomalous hydrometeorological phenomena in Russian Federation in February of 2003]: **Meteorologiya i Gidrologiya**, 2003(5), p. 119-123, 2003.

58003703

Surkova, G. V. (Moskovskii Gosudarstvennyy Universitet im. M. V. Lomonosova, Moscow, Russian Federation).

Osobennosti global'noi tsirkulyatsii v period optimuma golotsena i pozdnepleistotsenovogo kriokhrona po dannym modelei obshchei tsirkulyatsii atmosfery [Mid-Holocene and last glacial maximum atmospheric circulation features from atmospheric model experiments]: **Meteorologiya i Gidrologiya**, 2003(6), p. 18-31 (English sum.), illus. incl. 1 table, 27 ref., 2003.

58003704

Shakina, N. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Skriptunova, E. N. and Ivanova, A. R.

Usloviia vypadeniia zamerzaiushchikh osadkov v nekotorykh aeroportakh Rossii i SNG; I, Aeroporty moskovskogo aerouzla [Conditions of freezing precipitation in some airports of Russia; I, Airports of Moscow region]: **Meteorologiya i Gidrologiya**, 2003(6), p. 40-58 (English sum.), 30 ref., 2003.

58003705

Bogdanova, T. A. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation).

Pogoda na territorii Rossiiskoi Federatsii v marte 2003 g. [Weather in Russian Federation in March of 2003]: **Meteorologiya i Gidrologiya**, 2003(6), p. 101-105, illus., 2003.

58003706

Grechikha, A. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie iavleniia na territorii Rossiiskoi Federatsii v marte 2003 g. [Anomalous hydrometeorological phenomena in Russian Federation in March of 2003]: **Meteorologiya i Gidrologiya**, 2003(6), p. 106-110, 1 table, 2003.

58003707

Kitayev, L. M. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation).

Osobennosti ekstremal'nogo snegonakopleniia v gornykh i predgornykh oblastiakh; na primere Bol'shogo Kavkaza [Extreme features of snow accumulation in mountains and piedmont areas; Greater Caucasus]: **Meteorologiya i Gidrologiya**, 2003(7), p. 60-68 (English sum.), illus. incl. 2 tables, 8 ref., 2003.

58003708

Grechikha, A. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie iavleniia na territorii Rossiiskoi Federatsii v aprele 2003 g. [Anomalous hydrometeorological phenomena in Russian Federation in April of 2003]: **Meteorologiya i Gidrologiya**, 2003(7), p. 117-122, 1 table, 2003.

58003709

Reiners, William A. (University of Wyoming, Department of Botany, Laramie, WY) and Driese, Kenneth L.

Transport of energy, information, and material through the biosphere: **Annual Review of Environment and Resources**, 28, p. 107-135, illus. incl. 1 table, 211 ref., 2003.

58003711

Kaplan, Michael R. (University of Wisconsin, Department of Geology and Geophysics, Madison, WI); Ackert, Robert P., Jr.; Singer, Brad S.; Douglass, Daniel C. and Kurz, Mark D.

Cosmogenic nuclide chronology of millennial-scale glacial advances during O-isotope Stage 2 in Patagonia: **Geological Society of America Bulletin**, 116(3-4), p. 308-321, illus. incl. 5 tables, sketch map, 67 ref., April 2004.

58003712

Kneller, Ben (University of Leeds, School of Earth Sciences, Leeds, United Kingdom); Milana, Juan Pablo; Buckee, Clare and Al Ja'aidi, Omar.

A depositional record of deglaciation in a paleofjord (Late Carboniferous [Pennsylvanian] of San Juan Province, Argentina); the role of catastrophic sedimentation: **Geological Society of America Bulletin**, 116(3-4), p. 348-367, illus. incl. sects., geol. sketch map, 63 ref., April 2004.

58003713

van der Woerd, Jerome (EOST Institut de Physique du Globe de Strasbourg, Tectonique Active, Strasbourg, France); Owen, Lewis A.; Tapponnier, Paul; Xu Xiwei; Kervyn, François; Finkel, Robert C. and Barnard, Patrick L.

Giant, ~M8 earthquake-triggered ice avalanches in the eastern Kunlun Shan, northern Tibet; characteristics, nature and dynamics: **Geological Society of America Bulletin**, 116(3-4), p. 394-406, illus. incl. 2 tables, sketch maps, 57 ref., April 2004.

58003714

Singer, Brad S. (University of Wisconsin-Madison, Department of Geology and Geophysics, Madison, WI); Ackert, Robert P., Jr. and Guillou, Hervé

⁴⁰Ar/³⁹Ar and K-Ar chronology of Pleistocene glaciations in Patagonia: **Geological Society of America Bulletin**, 116(3-4), p. 434-450, illus. incl. 2 tables, sketch maps, 81 ref., April 2004. With GSA Data Repository Item 2004045.

58003715

Krause, Federico F. (University of Calgary, Department of Geology and Geophysics, Calgary, AB, Canada); Scotese, Christopher R.; Nieto, Carlos; Sayegh, Selim G.; Hopkins, John C. and Meyer, Rudolf O.

Paleozoic stromatactis and zebra carbonate mud-mounds; global abundance and paleogeographic distribution: **Geology (Boulder)**, 32(3), p. 181-184, illus. incl. 1 table, sketch maps, 27 ref., March 2004. With GSA Data Repository Item 2004031.

58003716

Taylor, J. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom); Siegert, M. J.; Payne, A. J.; Hambrey, M. J.; O'Brien, P. E.; Cooper, A. K. and Leitchenkov, G.

Topographic controls on post-Oligocene changes in ice-sheet dynamics, Prydz Bay region, East Antarctica: **Geology (Boulder)**, 32(3), p. 197-200, illus. incl. sketch maps, 19 ref., March 2004.

58003717

Thackray, Glenn D. (Idaho State University, Department of Geological Sciences, Pocatello, ID); Lundeen, Kari A. and Borgert, Jennifer A.

Latest Pleistocene alpine glacier advances in the Sawtooth Mountains, Idaho, USA; reflections of midlatitude moisture transport at the close of the last glaciation: **Geology (Boulder)**, 32(3), p. 225-228, illus. incl. 1 table, sketch map, 18 ref., March 2004.

58003718

Webster, Jody M. (Monterey Bay Aquarium Research Institute, Moss Landing, CA); **Clague, David A.; Riker-Coleman, Kristin; Gallup, Christina; Braga, Juan C.; Potts, Donald; Moore, James G.; Winterer, Edward L. and Paull, Charles K.**

Drowning of the -150 m reef off Hawaii; a casualty of global meltwater pulse 1A?: **Geology (Boulder)**, 32(3), p. 249-252, illus. incl. sketch maps, 36 ref., March 2004. With GSA Data Repository Item 2004039.

58003719

Fogwill, C. J. (University of Edinburgh, Institute of Geography, Edinburgh, United Kingdom); **Bentley, M. J.; Sugden, D. E.; Kerr, A. R. and Kubik, P. W.**

Cosmogenic nuclides ¹⁰Be and ²⁶Al imply limited Antarctic ice sheet thickening and low erosion in the Shackleton Range for >1 m.y.: **Geology (Boulder)**, 32(3), p. 265-268, illus. incl. 1 table, sketch map, 23 ref., March 2004.

58003720

Kerr, Richard A.

Gas hydrate resource; smaller but sooner: **Science**, 303(5660), p. 946-947, illus., February 13, 2004.

58003721

Service, Robert F.

As the West goes dry: **Science**, 303(5661), p. 1124-1127, illus. incl. sketch maps, February 20, 2004.

58003722

Hooker, J. J. (Natural History Museum, Department of Palaeontology, London, United Kingdom); **Collinson, M. E. and Sille, N. P.**

Eocene-Oligocene mammalian faunal turnover in the Hampshire Basin, UK; calibration to the global time scale and the major cooling event: **Journal of the Geological Society of London**, 161(2), p. 161-172, illus. incl. sects., 83 ref., March 2004. *Belgium*

58003732

Joesting, H. R.

Geophysical data; miscellaneous: **Miscellaneous Report - Alaska Territorial Department of Mines**, Rep. No. MR-195-22, 138 p., 1939.

58003733

Albert, Donald G. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Reduction of blast noise by a snow cover: **Noise Control Engineering Journal**, 50(6), p. 200-203, illus., 21 ref., December 2002. CRREL Report No: ERDC/CRREL MP-04-6202

58003742

Smirnov, N. P., leader (Gosudarstvennyy Nauchnyy Tsentr "Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut", Saint Petersburg, Russian Federation).

Razrabotka, ispytanie i vnedrenie metodov monitoringa klimata Iuzhnoi polyarnoi oblasti kak chasti global'noi klimaticheskoi sistemy [Development, testing, and introduction of methods of monitoring climate in southern polar region as a part of a global climatic system]: Rep. No. 02200004736, 63 p., illus. incl. 9 tables, June 13, 2000. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Interim report.

58003743

Bordovskaia, M. V., leader (Rossiiskii Gosudarstvennyy Universitet Nefti i Gaza, Moscow, Russian Federation).

Geokhimicheskii monitoring vodnoi sredy shel'fovoi zony vnutrennikh i okrainnykh morei Rossii [Geochemical monitoring of water environment in shelf zone of inland and marginal seas of Russia]: Rep. No. 02200004780, 8 p., June 26, 2000. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Final report.

58003744

Danilov, A. I., leader (Gosudarstvennyy Nauchnyy Tsentr "Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut", Saint Petersburg, Russian Federation).

Issledovanie protsessov formirovaniia sovremennogo klimata Antarktiki i ego budushchikh izmenenii s uchedom mnogoobrazii faktorov i svyazei v antarkticheskoi sisteme atmosfera-led-ocean-materik i ikh vliianie na global'nye klimaticheskie sistemy [Study of formation processes of recent Antarctic climate and its future changes with regard to diversity of factors and relation to the Antarctic atmosphere-ice-ocean-continent system and their influence on global climatic systems]: Rep. No. 02200004860, 125 p., illus., 73 ref., June 28, 2000. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Interim report.

58003745

Seinova, I. B. and Zolotareva, E. A.

Ledniki i seli Priel'brus'ia; evolyutsiia oledeneniia i selevoi aktivnosti [Glaciers and debris flows of Elbrus region; evolution of glaciation and debris flow activity]: Nauchnyy mir, Moscow, Russian Federation, 204 p., illus. incl. 28 tables, sketch maps, 104 ref., 2001. ISBN: 5-89176-135-1.

58003746

Anonymous.

Darwin Glacier, Antarctica; satellite image map: **Special Map**, U. S. Geological Survey, Reston, VA, Rep. No. J, 1 sheet, colored geophysical survey map, 1:100,000, 2001.

58003747

Shaw, John (Geological Survey of Canada (Atlantic), Bedford Institute of Oceanography, Dartmouth, NS, Canada); Batterson, Martin; Christian, Harold and Courtney, Robert C.

A multibeam bathymetric survey of Bay of Islands, Newfoundland; new evidence of late-glacial and Holocene geological processes: **Atlantic Geology**, 36(2-3), p. 139-155 (French sum.), illus. incl. sketch map, 25 ref., November 2000.

58003748

Owen, Lewis A. (University of California at Riverside, Department of Earth Sciences, Riverside, CA) and Zhou Shangzhe, editors.

Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA: **Quaternary International**, 97-98, 177 p., illus. incl. tables, sects., strat. cols., geol. sketch maps, 2002. Individual papers are cited separately. IGCP Project No. 415.

58003749

Benn, Douglas I. (University of Saint Andrews, School of Geography and Geosciences, Fife, United Kingdom) and Owen, Lewis A.

Himalayan glacial sedimentary environments; a framework for reconstructing and dating the former extent of glaciers in high mountains: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 3-25, illus. incl. sects., strat. cols., geol. sketch maps, 81 ref., 2002. IGCP Project No. 415.

58003750

Aizen, V. B. (University of Idaho, Department of Geography, Moscow, ID); Aizen, E. M. and Nikitin, S. A.

Glacier regime on the northern slope of the Himalaya (Xixibangma glaciers): *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 27-39, illus. incl. 7 tables, sketch maps, 32 ref., 2002. IGCP Project No. 415.

58003751

Owen, Lewis A. (University of California at Riverside, Department of Earth Sciences, Riverside, CA); Kamp, Ulrich; Spencer, Joel Q. and Haserodt, Klaus.

Timing and style of late Quaternary glaciation in the eastern Hindu Kush, Chitral, northern Pakistan; a review and revision of the glacial chronology based on new optically stimulated luminescence dating: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 41-55, illus. incl. sects., 3 tables, geol. sketch maps, 30 ref., 2002. IGCP Project No. 415.

58003752

Tsukamoto, S. (Tokyo Metropolitan University, Department of Geography, Tokyo, Japan); Asahi, K.; Watanabe, T. and Rink, W. J.

Timing of past glaciations in Kanchenjunga Himal, Nepal by optically stimulated luminescence dating of tills: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 57-67, illus. incl. strat. cols., 3 tables, geol. sketch maps, 20 ref., 2002. IGCP Project No. 415.

58003753

Iwata, Shuji (Tokyo Metropolitan University, Department of Geography, Tokyo, Japan); Narama, Chiyuki and Karma, Chiyuki.

Three Holocene and late Pleistocene glacial stages inferred from moraines in the Lingshi and Thanza village areas, Bhutan: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 69-78, illus. incl. sects., strat. col., 3 tables, geol. sketch maps, 21 ref., 2002. IGCP Project No. 415.

58003754

Shi Yafeng (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China).

Characteristics of late Quaternary monsoonal glaciation on the Tibetan Plateau and in East Asia: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 79-91, illus. incl. 2 tables, sketch maps, 87 ref., 2002. IGCP Project No. 415.

58003755

Zheng Benxing (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Xu Qinqi and Shen Yongping.

The relationship between climate change and Quaternary glacial cycles on the Qinghai-Tibetan Plateau; review and speculation: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 93-101, illus. incl. strat. col., 2 tables, sketch map, 29 ref., 2002. IGCP Project No. 415.

58003756

Zhou Shangzhe (Lanzhou University, Department of Geography, Lanzhou, China); Li Jijun and Zhang Shiqiang.

Quaternary glaciation of the Bailang River valley, Qilian Shan: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 103-110, illus. incl. sects., 2 tables, geol. sketch maps, 24 ref., 2002. IGCP Project No. 415.

58003757

Yi Chaolu (Nanjing University, Department of Geography, Nanjing, China); Li Xiaoze and Qu Jianjun.

Quaternary glaciation of Puruogangri, the largest modern ice field in Tibet: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 111-121, illus. incl. 3 tables, sketch map, 46 ref., 2002. IGCP Project No. 415.

58003758

Su Zhen (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China) and Shi Yafeng.

Response of monsoonal temperate glaciers to global warming since the Little Ice Age: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 123-131, illus. incl. 2 tables, geol. sketch maps, 22 ref., 2002. IGCP Project No. 415.

58003759

Liu Tunghsheng (Chinese Academy of Sciences, Institute of Geology and Geophysics, Beijing, China); Zhang Xinshi; Xiong Shangfa; Qin Xiaoguang and Yang Xiaoping.

Glacial environments on the Tibetan Plateau and global cooling: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 133-139, sketch maps, 56 ref., 2002. IGCP Project No. 415.

58003760

Yi Chaolu (Nanjing University, Department of Geography, Nanjing, China); Jiao Keqing; Liu Kexin; He Yuanqing and Ye Yuguang.

ESR dating of the sediments of the last glaciation at the source area of the Urumqi River, Tian Shan Mountains, China: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 141-146, illus. incl. sects., 3 tables, geol. sketch map, 24 ref., 2002. IGCP Project No. 415.

58003761

Cui Zhijiu (Peking University, Department of Geography, Beijing, China); Yang, Chienfu; Liu, Gengnian; Zhang, Wei; Wang, Shin and Sung, Quocheng.

The Quaternary glaciation of Shesan Mountain in Taiwan and glacial classification in monsoon areas: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 147-153, illus. incl. strat. col., 2 tables, geol. sketch map, 23 ref., 2002. IGCP Project No. 415.

58003762

Yang Xiaoping (Chinese Academy of Sciences, Institute of Geology and Geophysics, Peking, China); Zhu Zhenda; Jaekel, D.; Owen, Lewis A. and Han Jiamao.

Late Quaternary palaeoenvironment change and landscape evolution along the Keriya River, Xinjiang, China; the relationship between high mountain glaciation and landscape evolution in foreland desert regions: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 155-166, illus. incl. sects., 1 table, geol. sketch maps, 33 ref., 2002. IGCP Project No. 415.

58003763

Wu Guangjian (Lanzhou University, Department of Geography, Lanzhou, China); Pan Baotian; Guan Qingyu; Liu Zhigang and Li Jijun.

Loess record of climatic changes during MIS5 in the Hexi Corridor, Northwest China: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 167-172, illus. incl. strat. col., sketch map, 23 ref., 2002. IGCP Project No. 415.

58003764

Piotrowski, Jan A. (University of Aarhus, Department of Earth Sciences, Aarhus, Denmark); Mickelson, David M.; Tulaczyk, Slawek; Krzyszkowski, Dariusz and Junge, Frank W.

Were subglacial deforming beds beneath past ice sheets really widespread?; reply: *in* Late Quaternary glaciation in the high mountains of Central Asia; a contribution to IGCP 415 and Working Group 5 of Glacial Commission of INQUA (Owen, Lewis A., editor; *et al.*), **Quaternary International**, 97-98, p. 173-177, 45 ref., 2002. For reference to original see Piotrowski, J. A., *et al.*, *Quaternary International*, Vol. 86, No.1, p. 139-150, 2001. IGCP Project No. 415.

58003765

Czechowski, L. (University of Warsaw, Institute of Geophysics, Warsaw, Poland) and Leliwa-Kopystynski, J.

Solid state convection in the icy satellites; discussion of its possibility: *in* Modelling and laboratory studies supporting space missions to small bodies; proceedings (Klinger, J., editor; *et al.*), **Advances in Space Research**, 29(5), p. 751-756, illus. incl. 2 tables, 14 ref., 2002. *Meeting*: July 2000, Warsaw, Poland.

58003766

Czechowski, L. (University of Warsaw, Institute of Geophysics, Warsaw, Poland) and Leliwa-Kopystynski, J.

Solid state convection in the icy satellites; numerical results: *in* Modelling and laboratory studies supporting space missions to small bodies; proceedings (Klinger, J., editor; *et al.*), **Advances in Space Research**, 29(5), p. 757-762, illus. incl. 1 table, 9 ref., 2002. *Meeting*: July 2000, Warsaw, Poland.

58003767

Wellner, Julia Smith.

Late Quaternary glacial history of the Pennell Coast region, Antarctica, with implications for sea-level change and controls on ice sheet behavior; and late Quaternary stratigraphic evolution of the West Louisiana continental shelf: 218 p., Doctoral, 2001, Rice University, Houston, TX. ISBN: 0-493-33071-2 *Available from*: Univ. Microfilms.

58003768

Zeeberg, Jacobus Johannes.

Glacial environments, relative sea-level history, and climatology of Novaya Zemlya, Russian Arctic: 119 p., Doctoral, 2001, University of Illinois, Chicago, Chicago, IL. ISBN: 0-493-30546-7 *Available from*: Univ. Microfilms.

58003769

Long, Antony J. (University of Durham, Environmental Research Center, Durham, United Kingdom); Roberts, David H. and Rasch, Morten.

New observations on the relative sea level and deglacial history of Greenland from Innaarsuit, Disko Bugt: **Quaternary Research (New York)**, 60(2), p. 162-171, illus. incl. 1 table, 34 ref., September 2003.

58003770

Church, Matthew, J. (College of William and Mary, School of Marine Science, Gloucester Point, VA); DeLong, Edward F.; Ducklow, Hugh W.; Karner, Markus B.; Preston, Christina M. and Karl, David M.

Abundance and distribution of planktonic Archaea and bacteria in the waters west of the Antarctic Peninsula: **Limnology and Oceanography**, 48(5), p. 1893-1902, illus. incl. 2 tables, sketch maps, 45 ref., September 2003. NSF Grant No. OPP96-32763, MCB001-84211, OCE00-01619, OPP02-17282; SOEST Contrib. No. 6151, Palmer LTER Contrib. No. 238.

58003771

Walkusz, Wojciech (Polska Akademia Nauk, Instytut Oceanologii, Sopot, Poland); Storemark, Katharina; Skau, Torunn; Gannefors, Charlotte and Lundberg, Marte.

Zooplankton community structure; a comparison of fjords, open water and ice stations in the Svalbard area: **Polish Polar Research**, 24(2), p. 149-165, illus. incl. 2 tables, sketch maps, 33 ref., 2003.

58003772

Meijering, Meertinus P. D. (Universität Kassel, Schlitz, Federal Republic of Germany).

The long-lasting resistance of diapausing eggs from Arctic Cladocera frozen at -18°C: **Polish Polar Research**, 24(2), p. 167-172, illus., 16 ref., 2003.

58003773

Barriga, Rodrigo (Instituto Geográfico Militar, Santiago, Chile); Perez, Jorge; Iturrieta, Carlos; Badilla, Jose; Rubio, Wendy; Montero, Juan Carlos; Parra, Hector; Hunt, Edwin and Villanueva, L. Víctor.

Preliminary digital geodesy and cartography in Patriot Hills: *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. 138-144, illus., 2002. *Meeting:* July 15-18, 2002, Shanghai, China.

58003774

Castiglia, Peter J.

Late Quaternary climate history of the pluvial Lake Palomas system, northern Chihuahua, Mexico: 161 p., 116 ref., Master's, 2002, University of New Mexico, Albuquerque, NM.

58003775

Houlton, Benjamin Z. (Syracuse University, Department of Civil and Environmental Engineering, Syracuse, NY); Driscoll, Charles T.; Fahey, Timothy J.; Likens, Gene E.; Groffman, Peter M.; Bernhardt, Emily S. and Buso, Donald C.

Nitrogen dynamics in ice storm damaged forest ecosystems; implications for nitrogen limitation theory: **Ecosystems (New York, Print)**, 6(5), p. 431-443, illus. incl. 6 tables, 38 ref., August 2003.

58003776

Levitan, M. A. (Russian Academy of Sciences, Vernadsky Institute of Geochemistry and Analytical Chemistry, Moscow, Russian Federation); Belyaev, N. A.; Burtman, M. V.; Duplessy, J. C. and Khusid, T. A.

Holocene sedimentation history in the Southern Novaya Zemlya Trench: **Lithology and Mineral Resources**, 38(6), p. 660-672, illus. incl. 2 tables, sketch map, 36 ref., December 2003.

58003777

Kulandaivelu, E. (Regional Meteorological Office, Chennai, India) and Dang, S. P.

A case study of katabatic winds over Schirmacher Oasis, East Antarctica: **Mausam**, 54(4), p. 843-850 (Hindi sum.), illus. incl. 3 tables, 5 ref., October 2003.

58003778

Keve, Gabor (Muszaki es Gazdasagtudomanyi Egyetem, Budapest, Hungary).

A jégmegfigyelesek korszerusitesi lehetosegei [Options for updating ice observations]: **Vizugyi Kozlemenyek = Voprosy Gidrotekhniki = Hydraulic Engineering = Revue d'Hydraulique = Wasserbauliche Mitteilungen**, 84(3), p. 358-378 (English, German, Russian sum.), illus. incl. 1 table, 25 ref., 2002.

58003779

Lepparanta, Matti (University of Helsinki, Division of Geophysics, Helsinki, Finland);

Tikkanen, Matti and Virkanen, Juhani.

Observations of ice impurities in some Finnish lakes: **Proceedings of the Estonian Academy of Sciences. Chemistry = Eesti Teaduste Akadeemia Toimetised. Keemia**, 52(2), p. 59-75 (Estonian sum.), illus. incl. 6 tables, sketch map, 33 ref., June 2003.

58003780

Karvonen, Juha (Finnish Institute of Marine Research, Finland).

Remote sensing of sea ice using SAR data at Finnish Institute of Marine Research:

Photogrammetric Journal of Finland, 18(2), p. 32-47, illus. incl. sketch maps, 34 ref., 2003.

58003781

Blake, David (British Antarctic Survey, Cambridge, United Kingdom).

Halley; at the edge of ice-station design: **Proceedings of the Institution of Civil Engineers.**

Civil Engineering, 156(4), p. 168-174, illus. incl. sketch maps, 4 ref., November 2003.

58003782

Scalenghe, Riccardo (Universita di Palermo, Dipartimento di Agronomia, Coltivazioni Erbacee e Pedologia, Palermo, Italy); Certini, Giacomo; Corti, Giuseppe; Zanini, Ermanno and Ugolini, Fiorenzo C.

Segregated ice and liquefaction effects on compaction of fragipans: **Soil Science Society of America Journal (Internet)**, 68(1), p. 204-214, illus. incl. 5 tables, 63 ref., February 2004. Accessed on March 2, 2004.

58003783

Shiklomanov, I. A. (State Hydrological Institute, Saint Petersburg, Russian Federation) and Shiklomanov, A. I.

Climatic change and the dynamics of river runoff into the Arctic Ocean: **Water Resources**, 30(6), p. 593-601, illus. incl. 6 tables, 13 ref., December 2003.

58003784

Efremova, T. V. (Russian Academy of Sciences, Institute of Water Problems, Petrozavodsk, Russian Federation) and Pal'shin, N. I.

Formation of vertical thermal structure in lakes in northwestern Russia and Finland: **Water Resources**, 30(6), p. 640-649, illus. incl. 3 tables, 23 ref., December 2003.

58003785

Groeneveld, Elisabeth V. G. (Université Laval, Sainte Foy, PQ, Canada) and Rochefort, Line.

Nursing plants in peatland restoration; on their potential use to alleviate frost heaving problems: **Suo**, 53(3-4), p. 73-85, 2002.

58003786

Vaganov, Petr (University of St. Petersburg, St. Petersburg, Russian Federation).

IAEA Coordinated Research Project (CRP) "The use of selected safety indicators (concentrations, fluxes) in the assessment of radioactive waste disposal"; Report 2, Dispersion halos and fluxes of chemical elements in permafrost and periglacial regions: **Tiedonanto YST**, Rep. No. YST-107, 54 p., 2002. ISBN: 951-690-821-7.

58003787

Lintinen, P. (Geological Survey of Finland, Espoo, Finland); Suppala, I.; Vanhala, H. and Eklund, M.

Survey of a buried ice-marginal deposit by airborne EM measurements; a case from Kyronjoki Valley plain in southern Ostrobothnia, Finland: *in* Geological Survey of Finland, current research 2001-2002 (Autio, Sini, editor), **Special Paper - Geological Survey of Finland**, Rep. No. 36, p. 67-75, 2003.

58003788

Paananen, Markku (Geological Survey of Finland, Espoo, Finland) and Ruskeeniemi, Timo.

Permafrost at Lupin; interpretation of SAMPO electromagnetic soundings at Lupin: **Tiedonanto YST**, Rep. No. YST-117, 22 p. (Finnish sum.), 2003. ISBN: 951-690-871-3. Includes 4 appendices.

58003789

Kitaev, L. M. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation).

Prostranstvenno-vremennaia izmenchivost' vysoty snezhnogo pokrova v Severnom polusharii [Spatial and temporal variability of snow depth in Northern Hemisphere]: **Meteorologiya i Gidrologiya**, 2002(5), p. 28-34 (English sum.), illus. incl. 2 tables, 5 ref., 2002.

58003790

Rusina, E. N. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation) and Radionov, V. F.

Otsenka "doindustrial'noi" opticheskoi tolshchiny atmosfery pri polyarnoi dymke v Arktike i sovremennogo vklada antropogennykh vybrosov [Estimating "preindustrial" optical depth of atmosphere during polar haze in Arctic region and recent contribution of anthropogenic emissions]: **Meteorologiya i Gidrologiya**, 2002(5), p. 35-39 (English sum.), illus., 13 ref., 2002.

58003791

Plotnikov, V. V. (Rossiiskaia Akademiia Nauk, Dal'nevostochnoe Otdelenie, Tikhookeanskii Okeanologicheskii Institut im. V. I. Il'icheva, Russian Federation) and Podtelezhnikova, S. P.

Formirovanie arkhivov ledovoi informatsii i statisticheskii analiz splochnosti l'da v severnoi chasti Japonskogo morya [Forming archives of ice data and ice concentration statistical analysis in northern Sea of Japan]: **Meteorologiya i Gidrologiya**, 2002(5), p. 40-50 (English sum.), illus. incl. 1 table, 19 ref., 2002.

58003792

Kuchment, L. S. (Rossiiskoi Akademii Nauk, Institut Vodnykh Problem, Russian Federation); Gel'fan, A. N. and Demidov, V. N.

Raschet veroiatnostnykh kharakteristik maksimal'nogo stoka po meteorologicheskim dannym s ispol'zovaniem dinamiko-stokhasticheskikh modelei [Calculation of probabilistic characteristics of maximum floods based on meteorological data using dynamic-stochastic models]: **Meteorologiya i Gidrologiya**, 2002(5), p. 83-94 (English sum.), illus. incl. 1 table, 12 ref., 2002.

58003793

Bogdanova, T. A. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation).

Pogoda na territorii Rossiiskoi Federatsii v fevrale 2002 g. [Weather in Russian Federation in February of 2002]: **Meteorologiya i Gidrologiya**, 2002(5), p. 106-110, illus., 2002.

58003794

Belinskii, O. N. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie iavleniia na territorii Rossiiskoi Federatsii v fevrale 2002 g. [Anomalous hydrometeorological phenomena in Russian Federation in February 2002]: **Meteorologiya i Gidrologiya**, 2002(5), p. 111-116, 2002.

58003795

Nikitin, V. A. (Arkticheskii i Anartarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation) and Kovalev, S. M.

Prochnost' morskogo ledyanogo pokrova [Strength of sea ice cover]: **Meteorologiya i Gidrologiya**, 2002(12), p. 62-69, illus. incl. table, 13 ref., 2002.

58003796

Panov, V. D. (Severo-Kavkazskii Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr, Russian Federation); Il'ichev, Iu. G. and Lur'e, P. M.

Lednikovyy obval v gorakh Severnoi Osetii v 2002 g. [Ice avalanche in northern Ossetia Mountains in 2002]: **Meteorologiya i Gidrologiya**, 2002(12), p. 94-98, illus., 3 ref., 2002.

58003797

Iushkov, V. A. (Tsentral'naia Aerologicheskaya Observatoriia, Russian Federation); Nakane, Kh.; Tsvetkova, N. D.; Dorokhov, V. M.; Sitnikova, V. I. and Luk'ianov, A. N.

Issledovanie sostoianiia ozonovogo sloia v zimie-vesenniiia period 2000 g. s pomoshch'iu ballonnykh izmernii na nazemnykh nablyudenii v Sibiri [Investigation of ozone layer in Siberia during winter-spring of 2000 by means of balloon measurements and surface observations]: **Meteorologiya i Gidrologiya**, 2002(12), p. 27-35, illus. incl. table, 2002.

58003798

Sidorenkov, N. S. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation) and Lutsenko, O. V.

Sutochnye variatsii komponentov momenta impul'sa atmosfery [Diurnal variations of components of atmospheric angular momentum]: **Meteorologiya i Gidrologiya**, 2002(12), p. 19-26, illus. incl. table, 8 ref., 2002.

58003799

Kato, E. (Sakhalinskoe Mezhhregional'noe Territorial'noe Upravlenie po Gidrometeorologii i Monitoringu Okruzhaiushchei Sredy, Russian Federation); Savel'ev, V. Iu. and Shevchenko, G. V.

Raspedelenie ekstremal'nykh skorostei vetra na ostrove Sakhalii [Distribution of extreme wind speeds on Sakhalin Island]: **Meteorologiya i Gidrologiya**, 2002(12), p. 49-57, illus., 16 ref., 2002.

58003800

Dobroumov, B. M. (Gosudarstvennyy Gidrologicheskii Institut, Russian Federation) and Tumanovskaia, S. M.

Navodneniia na rekakh Rossii; ikh formirovanie i rayonirovanie [Floods on Russia's rivers; their formation and zoning]: **Meteorologiya i Gidrologiya**, 2002(12), p. 70-78, 6 ref., 2002.

58003801

Babkin, V. I. (Gosudarstvennyy Gidrologicheskii Institut, Russian Federation) and Postnikov, A. N.

Tsiklonicheskie osadki i stok Obi i Eniseia v malovodnye i mnogovodnye gody [Cyclonic precipitation and runoff of the Ob and Enisei rivers in dry and wet years]: **Meteorologiya i Gidrologiya**, 2002(12), p. 79-85, 6 tables, 8 ref., 2002.

58003802

Chrechikha, A. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie iavleniia na territorii Rossiiskoi Federatsii v sentyabre 2002 g. [Anomalous hydrometeorological phenomena in Russian Federation in September of 2002]: **Meteorologiya i Gidrologiya**, 2002(12), p. 109-114, 2002.

58003803

Anisimov, O. A. (Gosudarstvennyy Gidrologicheskii Institut, Russian Federation); Belolutskaia, M. A. and Lobanov, V. A.

Sovremennye izmeneniia klimata v oblasti vysokikh shirot Severnogo polushariia [Climatic and environmental changes in high latitude area of Northern Hemisphere]: **Meteorologiya i Gidrologiya**, 2003(1), p. 18-30, illus., 54 ref., 2003.

58003804

Smirnov, V. V. (Institut Eksperimental'noi Meteorologii, Russian Federation) and Shevchenko, V. P.

Dymki i tumany polyarnykh morei [Hazes and fogs of polar seas]: **Meteorologiya i Gidrologiya**, 2003(1), p. 49-57 (English sum.), illus. incl. 1 table, 14 ref., 2003.

58003805

Khandozhko, L. A. (Rossiiskii Gosudarstvennyy Gidrometeorologicheskii Universtet, Russian Federation); Korshunov, A. A. and Fokicheva, A. A.

Bybor optimal'nogo pogodo-khozyaistvennogo resheniia na osnove prognoza opasnykh gidrometeorologicheskikh uslovii [Choosing an optimal weather-related economic decision based on forecast of dangerous hydrometeorological conditions]: **Meteorologiya i Gidrologiya**, 2003(1), p. 5-17, illus. incl. 3 tables, 13 ref., 2003.

58003806

Rozanova, I. V. (Rossiiskii Gosudarstvennyy Gidrometeorologicheskii Universitet, Russian Federation); Sarukhanyan, E. I. and Smirnov, N. P.

Izmenchivost' intensivnosti i polozheniia tsiklonicheskogo tsentra deistviia v atlanticheskom sektore Iuzhnogo okeana vo vtoroi polovie XX stoletii [Variability of intensity and position of cyclonic center of action in Atlantic sector of Southern Ocean in second half of 20th century]: **Meteorologiya i Gidrologiya**, 2003(1), p. 75-82 (English sum.), illus. incl. 2 tables, 14 ref., 2003.

58003807

Brekhovskikh, V. F. (Rossiiskoi Akademii Nauk, Institut Vodnykh Problem Rossiiskoi Akademii Nauk, Russian Federation); Gashkina, N. A.; Kremenetskaia, E. R. and Lomova, D. V.

Osobennosti kislorodnogo rezhima Mozhaiskogo vodokhanilishch v period ledostava [Dissolved oxygen regime of Mozhaiskii Reservoir under ice cover]: **Meteorologiya i Gidrologiya**, 2003(1), p. 103-109 (English sum.), illus., 10 ref., 2003.

58003808

Grechikha, A. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie iavleniia na territorii Rossiiskoi Federatsii v oktyabre 2002 g. [Anomalous hydrometeorological phenomena in Russian Federation in October 2002]: **Meteorologiya i Gidrologiya**, 2003(1), p. 118-122, 1 table, 10 ref., 2003.

58003809

Andreev, O. M. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation) and Ivanov, B. V.

Parametrizatsiia perenosa korotkovolnovoi solnechnoi radiatsii v snezhno-ledyanom pokrove [Parametrization of distribution of short-wave solar radiation in snow-ice cover]: **Meteorologiya i Gidrologiya**, 2003(2), p. 54-58 (English sum.), 20 ref., 2003.

58003810

Losev, S. M. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation); Gorbunov, Iu. A. and Dymant, L. N.

Otsenka kharakteristik razryvov v ledyanom pokrove morya Laptevykh po snimkam samoletnogo radiolokatora bokovogo obzora i snimkam so sputnikov Zemli "Meteor" in "NOAA" [Estimating ice fractures in Laptev Sea ice cover based on aircraft side-looking radar data and NOAA and Meteor satellites data]: **Meteorologiya i Gidrologiya**, 2003(2), p. 59-67, illus. incl. 2 tables, 15 ref., 2003.

58003811

Kryzhov, V. N. (Gideometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation).

Svyaz' srednikh mesyachnoi, sezonnoi i godovoi temperatur vozdukha na severe Rossii s indeksami zonal'noi tsirkulyatsii zimoi [Relation between mean monthly, seasonal, and annual temperatures in northern Russia and winter zonal circulation indexes]: **Meteorologiya i Gidrologiya**, 2003(2), p. 15-28, 6 tables, 31 ref., 2003.

58003812

Rozhdestvenskii, A. V. (Gosudarstvennyi Gidrologicheskii Institut, Russian Federation); Buzin, V. A. and Lobanov, V. A.

Issledovanie uslovii formirovaniia i raschety maksimal'nykh urovnei vody na r. Lena u g. Lensk [Investigating formation conditions and calculations of maximum water levels in Lena River near Lensk city]: **Meteorologiya i Gidrologiya**, 2003(2), p. 68-76 (English sum.), illus., 10 ref., 2003.

58003813

Bogdanova, T. A. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation).

Pogoda na territorii Rossiiskoi Federatsii v noiabre 2002 g. [Weather in Russian Federation in November of 2002]: **Meteorologiya i Gidrologiya**, 2003(2), p. 107-111, illus., 2003.

58003814

Grechikha, A. P. (Gidrometeorologicheskii Nauchno-Issledovatel'skii Tsentr Rossiiskoi Federatsii, Russian Federation); Kirienko, L. V. and Naishuller, M. G.

Anomal'nye gidrometeorologicheskie iavleniia na territorii Rossiiskoi Federatsii v noiabre 2002 g. [Anomalous hydrometeorological phenomena in Russian Federation in November of 2002]: **Meteorologiya i Gidrologiya**, 2003(2), p. 112-116, 1 table, 2003.

58003815

Naveira Garabato, Alberto C. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom); Polzin, Kurt L.; King, Brian A.; Heywood, Karen J. and Visbeck, Martin.

Widespread intense turbulent mixing in the Southern Ocean: **Science**, 303(5655), p. 210-213, illus. incl. sketch map, 45 ref., January 9, 2004.

58003816

Bordonskii, G. S. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Chitinskii Institut Prirodnikh Resursov, Chita, Russian Federation); Bondarenko, N. A.; Obolkina, L. A. and Timoshkin, O. A.

Ledovye soobshchestva Baikala [Ice communities of Lake Baikal]: **Priroda**, 2003(7), p. 22-24, illus., 4 ref., 2003.

58003817

Krenke, A. N. (Rossiiskaia Akademii Nauk, Institut Geografii, Moscow, Russian Federation) and Chernavskaia, M. M.

Klimaticheskie ekstremumy na territorii Rossii [Climate extremes in Russia]: **Priroda**, 2003(7), p. 62-66, illus., 6 ref., 2003.

58003818

Ng, Felix (University of Oxford, Mathematical Institute, Oxford, United Kingdom) and Bjornsson, Helgi.

On the Clague-Mathews relation for jökulhaups: **Journal of Glaciology**, 49(165), p. 161-172, illus. incl. 4 tables, 25 ref., 2003. Includes appendix.

58003819

Yamaguchi, Satoru (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Naruse, Renji; Sugiyama, Shin; Matsumoto, Takane and Murav'yev, Yaroslav D.

Initial investigations of dynamics of the maritime Koryto Glacier, Kamchatka, Russia: **Journal of Glaciology**, 49(165), p. 173-178, illus. incl. 2 tables, sketch maps, 14 ref., 2003.

58003820

Popov, Sergey V. (Polar Marine Geological Research Expedition, St. Petersburg, Russian Federation); Sheremet'yev, Alexander N.; Masolov, Valery N.; Lukin, Valery V.; Mironov, Anatoliy V. and Luchininov, Vadim S.

Velocity of radio-wave propagation in ice at Vostok Station, Antarctica: **Journal of Glaciology**, 49(165), p. 179-183, illus. incl. sketch map, 31 ref., 2003.

58003821

Baker, Ian (Dartmouth College, Thayer School of Engineering, Hanover, NH) and Cullen, Daniel.

SEM/EDS observations of impurities in polar ice; artifacts or not?: **Journal of Glaciology**, 49(165), p. 184-190, illus., 19 ref., 2003. NSF Grant OPP-9980379 and OPP-0221120.

58003822

Hakonardottir, Kristin Martha (Icelandic Meteorological Office, Reykjavik, Iceland); Hogg, Andrew J.; Johannesson, Tomas and Tomasson, Gunnar G.

A laboratory study of the retarding effects of braking mounds on snow avalanches: **Journal of Glaciology**, 49(165), p. 191-200, illus., 21 ref., 2003.

58003823

Reeh, Niels (Technical University of Denmark, Electromagnetic Systems, Lyngby, Denmark); Mohr, Johan Jacob; Madsen, Soren Norvang; Oerter, Hans and Gundestrup, Niels S.

Three-dimensional surface velocities of Storstrommen Glacier, Greenland, derived from radar interferometry and ice-sounding radar measurements: **Journal of Glaciology**, 49(165), p. 201-209, illus. incl. 3 tables, sketch maps, 20 ref., 2003.

58003824

Mohr, Johan Jacob (Technical University of Denmark, Electromagnetic Systems, Lyngby, Denmark); Reeh, Niels and Madsen, Soren Norvang.

Accuracy of three-dimensional glacier surface velocities derived from radar interferometry and ice-sounding radar measurements: **Journal of Glaciology**, 49(165), p. 210-222, illus. incl. 2 tables, sketch maps, 22 ref., 2003. Includes 2 appendices.

58003825

Spikes, Vandy Blue (Ohio State University, Byrd Polar Research Center, Columbus, OH); Csatho, Beata M.; Hamilton, S. and Whillans, Ian M.

Thickness changes on Whillans ice stream and Ice Stream C, West Antarctica, derived from laser altimeter measurements: **Journal of Glaciology**, 49(165), p. 223-230, illus. incl. 3 tables, sketch map, 30 ref., 2003. NSF Grant OPP-9615114.

58003826

Thomas, Robert H. (NASA, Wallops Flight Facility, EG & G Services, Wallops Island, VA); Abdalati, Waleed; Frederick, Earl; Krabill, William B.; Manizade, Serdar and Steffen, Konrad.

Investigation of surface melting and dynamic thinning on Jakobshavn Isbrae, Greenland: **Journal of Glaciology**, 49(165), p. 231-239, illus. incl. 2 tables, sketch map, 32 ref., 2003.

58003827

Clark, Chris D. (University of Sheffield, Department of Geography, Sheffield, United Kingdom); Tulaczyk, Slawek M.; Stokes, Chris R. and Canals, Miquel.

A groove-ploughing theory for the production of megascale glacial lineations, and implications for ice-stream mechanics: **Journal of Glaciology**, 49(165), p. 240-256, illus. incl. sketch maps, 65 ref., 2003. NSF Grant OPP-0096302 and EAR-9819346.

58003828

Flowers, Gwenn E. (University of Iceland, Science Institute, Reykjavik, Iceland); Bjornsson, Helgi and Palsson, Finnur.

New insights into the subglacial and periglacial hydrology of Vatnajokull, Iceland, from a distributed physical model: **Journal of Glaciology**, 49(165), p. 257-270, illus. incl. 5 tables, sketch maps, 43 ref., 2003.

58003829

Mark, Bryan G. (Max Planck Institute for Biogeochemistry, Jena, Federal Republic of Germany) and Seltzer, Geoffrey O.

Tropical glacier meltwater contribution to stream discharge; a case study in the Cordillera Blanca, Peru: **Journal of Glaciology**, 49(165), p. 271-281, illus. incl. 4 tables, sketch maps, 34 ref., 2003.

58003830

Theakstone, Wilfred H. (University of Manchester, Department of Geography, Manchester, United Kingdom).

Oxygen isotopes in glacier-river water, Austre Okstindbreen, Okstindan, Norway: **Journal of Glaciology**, 49(165), p. 282-298, illus. incl. 6 tables, sketch maps, 71 ref., 2003.

58003831

Clarke, Garry K. C. (University of British Columbia, Department of Earth and Ocean Sciences, Vancouver, BC, Canada).

Hydraulics of subglacial outburst floods; new insights from the Spring-Hutter formulation: **Journal of Glaciology**, 49(165), p. 299-313, illus. incl. 2 tables, 29 ref., 2003. Includes 3 appendices.

58003832

Spikes, Vandy Blue (Ohio State University, Byrd Polar Research Center, Columbus, OH); Csatho, Beata M. and Whillans, Ian M.

Laser profiling over Antarctic ice streams; methods and accuracy: **Journal of Glaciology**, 49(165), p. 315-322, illus. incl. 1 table, sketch map, 17 ref., 2003. NSF Grant OPP-9615114.

58003833

Galin, V. Ia. (Rossiiskaia Akademiia Nauk, Institut Vychislitel'noi Matematiki, Moscow, Russian Federation) and Volodin, E. M.

Modelirovanie otklika atmosfery na taianie arkticheskikh l'dov [Modeling atmospheric response to Arctic ice melting]: **Meteorologiya i Gidrologiya**, 2002(1), p. 14-21 (English sum.), illus., 9 ref., 2002.

58003834

Izrael', Iu. A. (Rossiiskaia Akademiia Nauk i Gidromet, Institut Global'nogo Klimata i Ekologii, Moscow, Russian Federation); Pavlov, A. V. and Anokhin, Iu. A.

Evolutsiia kriolitozony pri sovremennykh izmeneniakh global'nogo klimata [Evolution of permafrost under global change]: **Meteorologiya i Gidrologiya**, 2002(1), p. 22-34 (English sum.), illus. incl. 5 tables, 51 ref., 2002.

58003835

Nagurnyy, A. P. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation); Rozanov, E. V.; Egorova, T. A. and Medvedchenko, E. Iu.

Model'nye otsenki dolgoperiodnykh izmenenii temperatury i osadkov v Arktike pri razlichnykh stsenariiakh vozmozhnykh izmenenii kontsentratsii parnikovykh gazov i aerolya [Modeling long-term temperature and precipitation variations in the Arctic region under different possible concentrations of greenhouse gases and aerosols]: **Meteorologiya i Gidrologiya**, 2002(1), p. 35-45, illus. incl. 2 tables, 16 ref., 2002.

58003836

Lebedev, G. A. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation) and Sukhorukov, K. K.

Ekspperimental'nye issledovaniia protsessov narastaniia i taianiia morskogo l'da [Experimental study of sea ice thickening and melting]: **Meteorologiya i Gidrologiya**, 2002(1), p. 74-88 (English sum.), illus. incl. 2 tables, 9 ref., 2002.

58003837

Frolov, I. E. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation) and Ivanov, V. V.

Kompleksnye gidrometeorologicheskie issledovaniia v Severnom Ledovitom okeane letom 2000 g. na NES Akademik Fedorov [Comprehensive hydrometeorological studies of Arctic Ocean aboard the research vessel Akademik Fedorov during summer 2000]: **Meteorologiya i Gidrologiya**, 2002(1), p. 102-106 (English sum.), illus. incl. sketch map, 7 ref., 2002.

58003838

Bubier, Jill (Mount Holyoke College, Department of Earth and Environment, South Hadley, MA); Crill, Patrick and Mosedale, Andrew.

Net ecosystem CO₂ exchange measured by autochambers during the snow-covered season at a temperate peatland: *in* Proceedings of the Fifty-ninth annual Eastern snow conference (Hardy, Janet P., editor; *et al.*), **Proceedings of the Annual Eastern Snow Conference**, 59, p. 267-283, illus. incl. 2 tables, 43 ref., 2002. *Meeting*: June 5-7, 2002, Stowe, VT.

58003839

Esper, Oliver (Universität Bremen, Fachbereich Geowissenschaften, Bremen, Federal Republic of Germany); Versteegh, Gerard J. M.; Zonneveld, Karin A. F. and Willems, Helmut.

A palynological reconstruction of the Agulhas Retroflexion (South Atlantic Ocean) during the late Quaternary: **Global and Planetary Change**, 41(1), p. 31-62, illus. incl. sect., 2 tables, sketch map, 88 ref., March 2004. Includes appendices.

58003840

Fitzpatrick, Melanie F. (University of Washington, Department of Earth and Space Sciences, Seattle, WA); Brandt, Richard E. and Warren, Stephen G.

Transmission of solar radiation by clouds over snow and ice surfaces; a parameterization in terms of optical depth, solar zenith angle, and surface albedo: **Journal of Climate**, 17(2), p. 266-275, illus. incl. 2 tables, 39 ref., January 15, 2004. NSF Grants OPP-9527244 and OPP-9815156.

58003841

Chen, Tsing-Chang (Iowa State University, Department of Geological and Atmospheric Sciences, Ames, IA); Huang, Wan-Ru and Yoon, Jin-ho.

Interannual variation of the East Asian cold surge activity: **Journal of Climate**, 17(2), p. 401-413, illus. incl. 1 table, sketch maps, 27 ref., January 15, 2004.

58003842

Stone, Richard and Vogel, Gretchen.

A year to remember at the ends of the Earth: **Science**, 303(5663), p. 1458-1459, 1461, illus., March 5, 2004.

58003843

Vogel, Gretchen.

An otherworldly place to hunt for other worlds: **Science**, 303(5663), p. 1459, illus., March 5, 2004.

58003844

Karstin, M. P.

Lithostratigraphic and sedimentological investigations around the eastern boundary of Baltic deposits in central Scania: **Lundqua Thesis**, 23, 72 p., illus. incl. 2 plates, 4 tables, geol. sketch maps, 5 p. ref., Doctoral, 1988, University of Lund, Lund, Sweden.

58003845

Hempel, L. (Univ. Münster, Inst. Geographie, Munster, Federal Republic of Germany). Jungquartäre Formungsprozesse in Südgriechenland und auf Kreta [Recent Quaternary processes in southern Greece and Crete]: **Annales Géologiques des Pays Helleniques**, 33, p. 245-295 (Greek, French sum.), illus. incl. tables, 1988.

58003846

Nemirovskaia, I. A.

Uglevodorody v okeane (sneg-led-voda-vzves' -donye osadki) [Hydrocarbons in the ocean; snow-ice-water-suspended matter-bottom]: 323 p., illus. incl. 55 tables, 311 ref., Doctoral, May 17, 2000, Rossiiskaia Akademiia Nauk, Institut Okeanologii, Moscow, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionny Tsentr, Moscow, Russian Federation. VNTITs doc. N 05200002431.

58003847

Glushkova, I. A.

Snezhniki i ikh geomorfologicheskaiia rol' na Zapadnom Kavkaze (severnny sklon) [Firms and their geomorphological role in the western Caucasus north slope]: 206 p., illus. incl. 28 tables, 128 ref., Master's, May 30, 2000, Rostovskii Gosudarstvennyi Universitet, Rostov-na-Donu, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionny Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200011815.

58003848

Zhinkin, G. N. and Grachev, I. A.

Osobennosti stroitel'stva zheleznykh dorog v rayonakh rasprostraneniia vechnoi merzloty i bolot; uchebnoe posobie [Peculiarities of railway construction in permafrost and swamp regions; text-book]: UMK MPS Rossii, Moscow, Russian Federation, 420 p., illus. incl. 65 tables, 51 ref., 2000. ISBN: 5-89035-038-2.

58003849

Sheng Yu (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Institute, Lanzhou, China); Fukuda, Masami; Im, Haksam and Imamura, Tohru.

The effect of unfrozen water content on ultrasonic velocities in used tire mixed frozen soils:

Yantu Gongcheng Xuebao = Chinese Journal of Geotechnical Engineering, 22(6), p. 716-719, (Chinese) (English sum.), 11 ref., 2000.

58003850

Simila, Markku (Finnish Institute of Marine Research, Helsinki, Finland).

Statistical comparison of SAR imagery and sea ice ridging characteristics: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 17-22, illus. incl. 3 tables, 11 ref., 1991. *Meeting:* May 6-10, 1991, Calgary, AB, Canada.

58003851

Leconte, Robert (Canada Centre for Remote Sensing, Nepean, ON, Canada); Anctil, Caroline; Pultz, Terry J. and Brisco, Brian G.

Field determination of snow density and liquid water content using portable dielectric probes: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendu du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 54-59, illus., 9 ref., 1991. *Meeting:* May 6-10, 1991, Calgary, AB, Canada.

58003852

Sellers, Piers J. (NASA, Goddard Space Flight Center, BOREAS Steering Committee, Greenbelt, MD).

BOREAS (Boreal Ecosystem-Atmosphere Study); global change and biosphere-atmosphere interactions in the boreal forest: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendu du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 147-152, illus., 4 ref., 1991. *Meeting:* May 6-10, 1991, Calgary, AB, Canada.

58003853

Thirkettle, F. (Ph. D. Associates, Calgary, AB, Canada); Goodison, B. E.; Walker, A. E. and Graham, D. F.

Canadian prairie snow cover maps from near real-time passive microwave data; from satellite data to user information: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendu du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 172-177, illus. incl. sketch maps, 8 ref., 1991. *Meeting:* May 6-10, 1991, Calgary, AB, Canada.

58003854

Gratton, Denis J. (University of Waterloo, Department of Geography, Waterloo, ON, Canada); Howarth, Philip J. and Marceau, D. J.

Le calcul de l'albédo d'une vallée englacée en utilisant les données du Thematic Mapper et d'un MNÉ pour la prédiction du débit d'eau de fonte [Calculating a valley glacier's albedo using Landsat thematic mapper and a DEM for predicting meltwater discharge]: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendu du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 256-261, illus. incl. 1 table, 10 ref., 1991. *Meeting:* May 6-10, 1991, Calgary, AB, Canada.

58003855

Shokr, Mohammed E. (Atmospheric Environment Service, York, ON, Canada) and Barber, David G.

Sea ice and snow measurements relevant to radar scattering properties during early melt season: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendu du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 262-273, illus. incl. sketch maps, 16 ref., 1991. *Meeting:* May 6-10, 1991, Calgary, AB, Canada.

58003856

Crevier, Yves (Université d'Ottawa, Département de Géographie, Ottawa, ON, Canada); Amyotte, Henri; Duguay, Claude R.; Lauriol, Bernard and Gray, James T.

Le monitoring de la neige en région arctique comme vérificateur des tendances climatiques [Monitoring snow cover in the Arctic region and determining to what extent it can be used to verify climate change]: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 275-279, illus. incl. 1 table, sketch map, 7 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003857

De Abreu, Roger (University of Waterloo, Department of Geography, Waterloo, ON, Canada); Barber, David G. and LeDrew, Ellsworth F.

Obtaining sea ice albedo measurements from SAR during SIMS '90: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 281-285, illus., 5 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003858

Flett, Dean G. (University of Waterloo, Department of Geography, Waterloo, ON, Canada) and LeDrew, Ellsworth F.

Future satellite SAR resolutions and optimal scales for detection of sea ice processes; application to the SIMS Project: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 286-291, illus. incl. 1 table, 5 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003859

Hirose, Thomas (Noetix Research, Ottawa, ON, Canada); Heacock, Tony; Lee, Francis and Manore, Michael.

Advances in sea ice tracking algorithms: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 292-295, illus., 6 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003860

Walker, A. E. (Canadian Climate Centre, Atmospheric Environment Service, Downsview, ON, Canada) and Goodison, B. E.

Monitoring snow cover in the boreal forest region of the Canadian prairies using passive microwave data: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 296-299, illus. incl. sketch maps, 6 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003861

Barber, David G. (University of Waterloo, Earth Observations Laboratory, Waterloo, ON, Canada); Shokr, Mohammed and LeDrew, Ellsworth F.

Seasonal SAR sea ice backscatter; correlations with snow and ice metamorphism during SIMS'90: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 313-318, illus. incl. 1 table, 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003862

Manninen, A. T. (Finnish Institute of Marine Research, Helsinki, Finland).

Incidence angle distribution of an ice ridge: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 319-322, illus., 4 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003863

Burns, Barbara A. (University of Bremen, Institute of Remote Sensing, Bremen, Federal Republic of Germany) and Viehoff, Thomas.

Merging AVHRR and SSM/I data; an example for ice concentration analyses in the Weddell Sea: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 371-374, 5 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003864

Franklin, Steven E. (University of Calgary, Department of Geography, Calgary, AB, Canada) and Mah, Steven.

Glacier position and feature monitoring using multi-temporal satellite imagery: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 375-377, illus. incl. 1 table, 4 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003865

Ma, Jianwen (Canada Centre for Remote Sensing, Ottawa, ON, Canada); Slaney, V. R.; Harris, J. R.; Graham, D. F.; Ballantyne, S. B. and Harris, D. C.

Use of Landsat TM data for the mapping of limonitic and altered rocks in the Sulphurets area, central British Columbia: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 419-422, 2 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003866

Giovinetto, M. B. (University of Calgary, Department of Geography, Calgary, AB, Canada); Waters, N. M. and Zwally, H. J.

Satellite passive-microwave observations and the distribution of net surface accumulation in the interior of Greenland: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 502-507, illus. incl. sketch map, 11 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003867

Shokr, Mohammed (Atmospheric Environment Service, North York, ON, Canada); Wilson, Laurence J. and Miller, Dwayne.

Characterization of sea ice texture using polarimetric SAR imagery: *in* Proceedings of the Fourteenth Canadian symposium on Remote sensing—Compte rendus du Quatorzième symposium canadien sur la télédétection (Franklin, Steven E., editor; *et al.*), **Proceedings - Canadian Symposium on Remote Sensing = Compte Rendu du Symposium Canadien sur la Teledetection**, 14, p. 526-531, illus. incl. 2 tables, 7 ref., 1991. *Meeting*: May 6-10, 1991, Calgary, AB, Canada.

58003868

Larocque, Armand.

Le déglaciation d'une partie du haut Saint-François, Estrie, sud du Québec [Deglaciation of part of upper Saint-Francois, Estrie, southern Quebec]: 388 p., Doctoral, 2000, Université de Montréal, Montreal, PQ, Canada. ISBN: 0-612-60599-X *Available from*: Univ. Microfilms.

58003957

Clennell, M. Ben (Universidade Federal da Bahia, CPGG-Instituto de Geociencias, Salvador, Brazil).

Pore pressure, fluid flow and shear-induced consolidation or dilation in deforming sediments [abstr.]: *in* AGU 2000 fall meeting, **Eos, Transactions, American Geophysical Union**, 81(48, Suppl.), p. 1085-1086, November 28, 2000. *Meeting*: Dec. 15-19, 2000, San Francisco, CA.

58003958

Delille, Daniel (Université Pierre et Marie Curie, Laboratoire Arago, Banyuls-sur-mer, France).

Seasonal and inter-annual variability of bacterioplankton biomass at station Kerfix, off Kerguelen Islands, Antarctica: **Oceanologica Acta**, 26(3), p. 225-229 (French sum.), illus. incl. sketch map, 41 ref., June 2003. CRREL Report No: DOI: 10.1016/S0399-1784(03)00031-8

58003959

Coren, F. (National Institute of Oceanography and Applied Geophysics, Trieste, Italy); Delisle, G. and Sterzai, P.

Ice dynamics of the Allan Hills Meteorite concentration sites revealed by satellite aperture radar interferometry: **Meteoritics & Planetary Science**, 38(9), p. 1319-1330, illus. incl. 4 tables, sketch maps, 34 ref., September 2003.

58003960

Sarala, Pertti (Geological Survey of Finland, Rovaniemi, Finland).

Ribbed-moreenit; jaatikon liikesuunnan poikittaiset indikaattorit [Ribbed moraines; transverse indicators of ice flow direction]: **Geologi**, 55(9-10), p. 250-253 (English sum.), 2003.

58003961

Tyler, Germund (Soil-Plant Research, Department of Ecology, Lund, Sweden).

Vertical distribution of major, minor, and rare elements in a Haplic Podzol: **Geoderma**, 119(3-4), p. 277-290, illus. incl. 3 tables, 38 ref., April 2004.

58003962

Wollenburg, Jutta E. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Knies, Jochen and Mackensen, Andreas.

High-resolution paleoproductivity fluctuations during the past 24 kyr as indicated by benthic Foraminifera in the marginal Arctic Ocean: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 204(3-4), p. 209-238, illus. incl. 3 tables, sketch map, 140 ref., February 25, 2004.

58003963

Nygaard, Atle (University of Bergen, Department of Earth Science, Bergen, Norway); Sejrup, Hans Petter; Hafliðason, Hafliði; Cecchi, Marcello and Ottesen, Dag.

Deglaciation history of the southwestern Fennoscandian ice sheet between 15 and 13 ¹⁴C ka BP: **Boreas**, 33(1), p. 1-17, illus. incl. sects., 1 table, geol. sketch maps, 93 ref., February 2004.

58003964

Bennike, Ole (Geological Survey of Denmark and Greenland, Copenhagen, Denmark); Jensen, Jorn Bo; Lemke, Wolfram; Kuijpers, Antoon and Lomholt, Steen.

Late- and postglacial history of the Great Belt, Denmark: **Boreas**, 33(1), p. 18-33, illus. incl. sects., strat. cols., 2 tables, geol. sketch maps, 53 ref., February 2004.

58003965

Winguth, Cornelia (University of Wisconsin, Department of Geology and Geophysics, Madison, WI); Mickelson, David M.; Colgan, Patrick M. and Laabs, Benjamin J. C.

Modeling the deglaciation of the Green Bay Lobe of the southern Laurentide ice sheet: **Boreas**, 33(1), p. 34-47, illus. incl. 3 tables, geol. sketch map, 52 ref., February 2004.

58003966

Berglund, Mikael (Mid Sweden University, Department of Natural and Environmental Sciences, Sundsvall, Sweden).

Holocene shore displacement and chronology in Angermanland, eastern Sweden, the Scandinavian glacio-isostatic uplift centre: **Boreas**, 33(1), p. 48-60, illus. incl. 3 tables, sketch maps, 44 ref., February 2004.

58003967

Xiao Jule (Chinese Academy of Sciences, Institute of Geology and Geophysics, Beijing, China); Inouchi, Yoshio; Kumai, Hisao; Yoshikawa, Shusaku; Kondo, Yoichi and Takahashi, Keiichi.

Precipitation history of the Lake Biwa area in central Japan over the last 145 ka: **Boreas**, 33(1), p. 74-81, illus. incl. strat. col., sketch map, 29 ref., February 2004.

58003968

Christiansen, Hanne Hvidtfeldt (University of Oslo, Institute of Geography, Oslo, Norway).

Windpolished boulders and bedrock in the Scottish Highlands; evidence and implications of late Devensian wind activity: **Boreas**, 33(1), p. 82-94, illus. incl. 1 plate, 1 table, sketch maps, 43 ref., February 2004.

58003969

Edwardson, Kenneth J. (University of New Hampshire, Department of Natural Resources, Durham, NH); Bowden, William B.; Dahm, Cliff and Morrice, John.

The hydraulic characteristics and geochemistry of hyporheic and parafluvial zones in Arctic tundra streams, North Slope, Alaska: *in* Modeling hyporheic zone processes (Runkel, Robert L., editor; *et al.*), **Advances in Water Resources**, 26(9), p. 907-923, illus. incl. 4 tables, sketch map, 56 ref., September 2003.

58003970

Voskresenskii, K. S.

Sovremennye rel'efoobrazuiushchie protsessy na ravninakh Severa Rossii [Recent land forming processes in northern Russian plains]: 360 p., 395 ref., Doctoral, May 13, 1999, Moskovskii Gosudarstvennyi Universitet, Moscow, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyi Tsentr, Moscow, Russian Federation. VNTITs doc. N 05990001635.

58003971

Khokholov, Iu. A. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Gornogo Dela Severa, Iakutsk, Russian Federation); Vasil'ev, P. N.; Efremov, A. P. and Ognev, S. M. Obrazovanie polosti skvazhinnogo zaryada v mnogoletnemerzlykh porodakh [Formation of borehole charge cavity in permafrost]: **Fiziko-Tekhnicheskie Problemy Razrabotki Poleznykh Iskopaemykh**, 2000(1), p. 50-54 (English sum.), illus., 4 ref., February 2000.

58003972

Duguay, Claude R. (Université Laval, Département de Géographie et Centre d'Études Nordiques, Sainte-Foy, PQ, Canada) and Leverington, D. W.

Classification of alpine tundra soil-plant communities using an artificial neural network: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 75-78, illus. incl. 3 tables, 7 ref., March 1996. *Meeting:* March 25-29, 1996, Vancouver, BC, Canada.

58003973

Budkewitsch, Paul A. (MIR Télédétection, Longueuil, PQ, Canada); D'Iorio, Marc A. and Harrison, J. Chris.

SAR expressions of geology in the Canadian Arctic: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 88-91, illus. incl. 1 table, 18 ref., March 1996. *Meeting:* March 25-29, 1996, Vancouver, BC, Canada.

58003974

D'Iorio, Marc D. (Canada Centre for Remote Sensing, Ottawa, ON, Canada); Budkewitsch, Paul A.; Geudtner, D.; Vachon, P. W. and Wolfe, J.

Geological and morphological control on ERS-1 SAR coherence images of Bathurst Island: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 107-111, illus., 18 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003975

Piwowar, Joseph M. (University of Waterloo, Department of Geography, Waterloo, ON, Canada) and LeDrew, Ellsworth F.

Principal components analysis of Arctic ice conditions between 1978 and 1987 as observed from the SMMR data record: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 250-253, illus., 5 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003976

Clausi, David A. (University of Waterloo, Department of Systems Design Engineering, Waterloo, ON, Canada) and Jernigan, M. Ed.

Towards a novel approach for texture segmentation of SAR sea ice imagery: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 254-257, illus., 6 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003977

Cumming, Ian (University of British Columbia, Department of Electrical Engineering, Vancouver, BC, Canada); Valero, Juan-Luis; Vachon, Paris; Brugman, Melinda; Seymour, Michael and Gray, Laurence.

Results of ERS interferometry measurements of alpine glaciers: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 324-329, illus., 10 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003978

Komarov, S. A. (Altai State University, Barnaul, Russian Federation); Mironov, V. L. and Romanov, A. N.

The influence of depth of freezing on emissivity of soil cover: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 488-489, illus., 10 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003979

De Abreu, Roger A. (University of Waterloo, Department of Geography, Waterloo, ON, Canada) and LeDrew, Ellsworth F.

Mapping regional scale patterns in spring sea ice albedo using AVHRR: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 559-562, illus. incl. sketch map, 9 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003980

Hochschild, V. (Friedrich-Schiller-Universität Jena, Jena, Federal Republic of Germany).

Geomorphological mapping and modelling of the thawing dynamics with ERS-1 SAR data in the region of Antarctic Peninsula: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 567-570, illus., 9 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003981

Marko, J. R. (ASL Environmental Sciences, Sidney, BC, Canada) and Tang, C. L.

Applications of automated ice velocity extraction from satellite imagery to evaluation of the performance of a coupled ice-ocean model: *in* Proceedings for the 26th international symposium on Remote sensing of environment, the 18th symposium of the Canadian Remote Sensing Society; information tools for sustainable development (MacDonald, John, chairperson), **Proceedings of the International Symposium on Remote Sensing of Environment**, 26, p. 575-578, illus. incl. sketch map, 4 ref., March 1996. *Meeting*: March 25-29, 1996, Vancouver, BC, Canada.

58003984

Deline, Philip (Université de Savoie, Laboratoire EDYTEM, Le Bourget-du-Lac, France); Chiarle, Marta and Mortara, Giovanni.

The frontal ice avalanche of Frebouge Glacier (Mont Blanc Massif, Valley of Aosta, NW Italy) on 18 September 2002: **Geografia Fisica e Dinamica Quaternaria**, 25(2), p. 101-104 (Italian, French sum.), illus. incl. sketch maps, 10 ref., 2002.

58003985

Armando, Ernesto; Baroni, Carlo and Zanon, Giorgio, editors.

Relazioni della Campagna Glaciologica 2001 [Reports of the Glaciological Survey 2001]: **Geografia Fisica e Dinamica Quaternaria**, 25(2), p. 149-200 (English sum.), illus. incl. sketch maps, 2002.

58003986

Reed, Ronald K. (NOAA, Pacific Marine Environmental Laboratory, Seattle, WA).

A surface heat flux climatology over a region of the eastern Bering Sea: **Continental Shelf Research**, 23(14-15), p. 1255-1263, illus. incl. 2 tables, sketch map, 26 ref., October 2003.

58003987

Bojariu, Roxana (Universidad de Vigo, Facultad de Ciencias de Ourense, Ourense, Spain) and Gimeno, Luis.

Predictability and numerical modelling of the North Atlantic Oscillation: **Earth-Science Reviews**, 63(1-2), p. 145-168, illus. incl. sketch maps, 110 ref., October 2003.

58003988

Schutte, W. A. (Leiden Observatory, Raymond and Beverly Sackler Laboratory for Astrophysics, Leiden, Netherlands).

Production of organic molecules in interstellar ices: *in* Space life sciences; extraterrestrial organic chemistry, UV radiation on biological evolution, and planetary protection; proceedings (Bernstein, M. P., editor; *et al.*), **Advances in Space Research**, 30(6), p. 1409-1417, illus. incl. 2 tables, 57 ref., 2002. *Meeting*: F3.4(1)-B0.8 symposium of COSPAR Scientific Commission F on Extraterrestrial organic chemistry; from the interstellar medium to the origins of life; Part 1, Interstellar medium, comets and meteorites, July 16-23, 2000, Warsaw, Poland.

58003989

Kunkel, Kenneth E. (Illinois State Water Survey, Champaign, IL); Westcott, Nancy E. and Kristovich, David A. R.

Assessment of potential effects of climate change on heavy lake-effect snowstorms near Lake Erie: *in* The potential impacts of climate change in the Great Lakes region (Sousounis, Peter J., editor), **Journal of Great Lakes Research**, 28(4), p. 521-536, illus. incl. 1 table, sketch maps, 23 ref., 2002.

58003990

Lofgren, Brent M. (NOAA/Great Lakes Environmental Research Laboratory, Ann Arbor, MI); Quinn, Frank H.; Clites, Anne H.; Assel, Raymond A.; Eberhardt, Anthony J. and Luukkonen, Carol L.

Evaluation of potential impacts on Great Lakes water resources based on climate scenarios of two GCMs: *in* The potential impacts of climate change in the Great Lakes region (Sousounis, Peter J., editor), **Journal of Great Lakes Research**, 28(4), p. 537-554, illus. incl. 13 tables, sketch maps, 38 ref., 2002.

58003991

Sukhorukova, K. V. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Geofiziki, Novosibirsk, Russian Federation) and Duchkov, A. A.

Vosstanovlenie temperatury zemnoi poverkhnosti poslednikh stoletii po termogrammam skvazhin Iuzhnoi Sibiri [Reconstruction of ground surface temperature in past centuries based on thermograms of southern Siberian boreholes]: **Geologiya i Geofizika**, 39(8), p. 1121-1129 (English sum.), illus. incl. 2 tables, 15 ref., August 1998.

58003992

Dmitrenko, I. A. (Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation); Gribanov, V. A.; Volkov, D. L.; Berezovskaia, S. L. and Kassens, Kh.

Rol' rechnogo stoka v mezhgodovoi izmenchivosti rasprostraneniia pripainogo l'da v Rossiiskoi Arktike [River discharge impact on interannual variations of ice distribution in Russian Arctic]: **Meteorologiya i Gidrologiya**, 2000(3), p. 85-94 (English sum.), illus. incl. 2 tables, sketch maps, 12 ref., March 2000.

58003993

Hoffer, R. M. (Purdue University, Laboratory for Applications of Remote Sensing, West Lafayette, IN).

Techniques for computer-aided analysis of ERTS-1 data, useful in geologic, forest and water resource surveys: Purdue University, West Lafayette, IN, 23 p., illus. incl. 4 tables, sketch maps, 5 ref., 1973.

58003996

Dowdeswell, Julian A. (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom) and Ó Cofaigh, Colm, editors.

Glacier-influenced sedimentation on high-latitude continental margins: **Geological Society Special Publications**, 203, 378 p., 60 ref., 2002. Individual papers are cited separately.

58003997

Elverhoi, Anders (University of Oslo, Department of Geology, Oslo, Norway); De Blasio, Fabio V.; Butt, Faisal A.; Issler, Dieter; Harbitz, Carl; Engvik, Lars; Solheim, Anders and Marr, Jeffrey.

Submarine mass-wasting on glacially-influenced continental slopes; processes and dynamics: *in* Glacier-influenced sedimentation on high-latitude continental margins (Dowdeswell, Julian A., editor; *et al.*), **Geological Society Special Publications**, 203, p. 73-87, illus. incl. 1 table, 65 ref., 2002.

58003998

Talling, P. J. (University of Bristol, Department of Earth Sciences, Bristol, United Kingdom); Peakall, J.; Sparks, R. S. J.; Ó Cofaigh, Colm; Dowdeswell, Julian A.; Felix, M.; Wynn, R. B.; Baas, J. H.; Hogg, A. J.; Masson, D. G.; Taylor, Justin and Weaver, P. P. E.

Experimental constraints on shear mixing rates and processes; implications for the dilution of submarine debris flows: *in* Glacier-influenced sedimentation on high-latitude continental margins (Dowdeswell, Julian A., editor; *et al.*), **Geological Society Special Publications**, 203, p. 89-103, illus., 55 ref., 2002.

58003999

Varlamov, S. P. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Geografii, Irkutsk, Russian Federation); Skachkov, Iu. B. and Shender, N. I.

Temperaturnyy rezhim gruntov reki Amguemy; Severnaia Chukotka [Thermal regime of soils in Amguema River valley, northern Chukchi Peninsula]: **Geografiia i Prirodnye Resursy**, 2000(4), p. 98-106, illus. incl. table, sketch maps, 5 ref., December 2000.

58004000

Koshelev, A. A. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Sistem Energetiki, Irkutsk, Russian Federation).

Ledniki u Baikala; istoriia obnaruzheniia [Glaciers in Lake Baikal region; discovery history]: **Geografiia i Prirodnye Resursy**, 2000(4), p. 155-157, illus., 9 ref., December 2000.

58004001

Danilov, I. D. (Moskovskii Gosudarstvennyi Universitet, Geologicheskii Fakul'tet, Moscow, Russian Federation); Vlasenko, A. Iu. and Biryukov, V. Iu.

Geomorfologo-geokriologicheskoe stroenie vostochnosibirskogo sektora Arkticheskogo shel'fa i ego razvitie v pozdnem pleistotsene-golotsene [Geomorphologic and geocryologic features of eastern Siberian sector of Arctic shelf and its development in upper Pleistocene-Holocene]: **Geomorfologiya**, 2001(1), p. 45-53 (English sum.), illus. incl. 2 tables, sketch map, 19 ref., March 2001.

58004002

Pashkin, E. M. (Moskovskaia Gosudarstvennaia Geologorazvedochnaia Akademiia, Moscow, Russian Federation); Podborskaia, V. O. and Nazarenko, A. V.

Prichiny deformatsii krepostnykh sten Kirillo-Belozerskogo monastyrya; analiz, fakty, gipotezy [Factors causing deformation of fort walls in Kirillo-Belozerskii Monastery; analysis, facts, theory]: **Izvestiia Vysshikh Uchebnykh Zavedenii. Geologiya i Razvedka**, 2001(1), p. 156-158, illus., February 2001.

58004003

Li Bin (Chinese Academy of Geological Sciences, Institute of Karst Geology, Guilin, China); Yuan Daoxian; Lin Yushi and Qin Jiaming.

Paleoclimatological changes in the Guilin area, Guangxi, China, over the last 40,000 years and their dynamic mechanism: **Diqiu Xuebao = Acta Geoscientia Sinica**, 21(3), p. 313-319, (Chinese) (English sum.), illus. incl. 1 table, 9 ref., August 2000.

58004004

Kil'myaninov, V. V. (Iakutskoe Territorial'noe Upravlenie po Gidrometeorologii i Monitoringu Okruzhaiushchei Sredy, Iakutsk, Russian Federation).

Vliianie temperatury vozdukha na formirovanie, razrushenie zatorov l'da i zatornye urovni na r. Lene u g. Lensk [Effect of air temperature on formation and destruction of ice jams and ice-jam stages on Lena River near Lensk]: **Meteorologiya i Gidrologiya**, 2001(4), p. 69-77 (English sum.), illus., 6 ref., April 2001.

58004005

Skachkov, Iu. B.

Termicheskaia ustoichivost' verkhnikh gorizontov kriolitozony Tsentral'noi Iakutii pri sovremennom poteplenii klimata [Thermal stability of upper horizons of cryolithozone in central Iakutia during recent climate warming]: 168 p., illus. incl. 27 tables, 179 ref., Master's, April 9, 2001, Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Merzlotovedeniia, Iakutsk, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyi Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200107612.

58004006

Kholodov, A. L.

Sovremennoe sostoianie i evolyutsiia kriolitozony shel'fa morya Laptevykh [Current state and evolution of cryolithozone in Laptev Sea shelf]: 116 p., 8 tables, 114 ref., Master's, March 16, 2001, Moskovskii Gosudarstvennyi Universitet, Moscow, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyi Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200105657.

58004007

Dunbar, J. B.; Corcoran, M. K. and Murphy, W. L.

Hydrogeology of proposed harbor site at head of Akutan Bay, Akutan Island, Alaska:

ERDC/GSL Technical Report, Rep. No. ERDC/GSL-TR-01-13, 134 p., August 2001. *Available from:* National Technical Information Service, (703)685-6900, order number ADA395644NEG, Springfield, VA, United States. (Contract WCIJW01465645). Final report.

58004008

Siebert, Martin J. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom); Ellis-Evans, J. Cynan; Tranter, Martyn; Mayer, Christoph; Petit, Jean-Robert; Salamatin, Andrey and Priscu, John C.

Physical, chemical and biological processes in Lake Vostok and other Antarctic subglacial lakes: **Nature (London)**, 414(6864), p. 603-609, illus. incl. sects., sketch maps, 47 ref., December 6, 2001.

58004009

Protopsalti, Ioanna (Universita di Trieste, Dipartimento di Scienze Geologiche, Ambientali e Marine, Trieste, Italy); Immordino, Francesco; De Santis, Laura and Fanzutti, Giovanni Paolo.

Sediment grain size and quartz-grain morphology from Cape Roberts 1 core samples (Ross Sea); proxies for transport and depositional processes: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 301-307, illus. incl. 1 table, 25 ref., 2002. *Meeting:* July 5-9, 1999, Wellington, New Zealand.

58004010

Passchier, Sandra (Ohio State University, Department of Geological Sciences, Byrd Polar Research Center, Columbus, Ohio).

Provenance and depositional environments of Neogene Sirius Group deposits from the Shackleton and Beardmore Glacier areas, central Transantarctic Mountains: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 309-318, illus. incl. 1 table, 45 ref., 2002. *Meeting:* July 5-9, 1999, Wellington, New Zealand.

58004011

Hicock, Stephen R. (University of Western Ontario, Department of Earth Sciences, London, ON, Canada); Goff, James R. and Dickinson, Warren W.

Macroscopic and mesoscopic analysis of outcrop and core, Sirius Group, Table Mountain, Dry Valleys, Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 319-325, illus. incl. 1 table, 19 ref., 2002. *Meeting:* July 5-9, 1999, Wellington, New Zealand.

58004012

Stroeven, Arjen P. (Stockholm University, Department of Quaternary Research, Stockholm, Sweden); van der Meer, Jaap J. M.; Stroeven, Piet; Dalhuisen, Dik H.; Hiemstra, John F. and Stroeven, Martjin.

Improved microfabric determination using stereological analysis; orientation direction of sand particles in Mount Feather Sirius Group tillite, Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 327-334, illus., 62 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004013

Corradi, Nicola (Universita di Genova, Dipartimento per lo Studio del Territorio e delle sue Risorse, Genoa, Italy); Fanucci, Francesco; Fierro, Giuliano and Ivaldi, Roberta.

High-resolution seismic stratigraphy and physical properties of the Late Quaternary sediments of the northern Joides Basin, Ross Sea, Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 351-358, illus. incl. 2 tables, 25 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004014

Brambati, A. (Universita di Trieste, Dipartimento di Scienze Geologiche, Ambientali e Marine, Trieste, Italy); Melis, R.; Quaia, T. and Salvi, G.

Late Quaternary climatic changes in the Ross Sea area, Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 359-364, illus., 24 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004015

Brambati, Antonio (Universita di Trieste, Dipartimento Scienze Geologiche, Ambientali e Marine, Trieste, Italy); Corradi, Nicola; Finocchiaro, Furio and Giglio, Federico.

The position of the last glacial maximum grounding line in the Joides Basin; an interpretation based on sedimentological and geotechnical data: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 365-372, illus. incl. 2 tables, 30 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004016

Claridge, Graeme G. C. (Land and Soil Consultancy Services, Stoke, New Zealand) and Campbell, I. B.

Evidence for early invasions of the McMurdo Sound region by Ross Sea ice: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 373-380, illus., 26 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004017

Pollard, W. (McGill University, Department of Geography, Montreal, PQ, Canada); Doran, P. and Wharton, R.

The nature and significance of massive ground ice in Ross Sea drift, Garwood Valley, McMurdo Sound: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 397-404, illus. incl. 1 table, 24 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004018

Giglio, Federico (Consiglio Nazionale delle Ricerche, Istituto di Geologia Marina, Bologna, Italy); Langone, L.; Morigi, C.; Frignani, M. and Ravaioli, M.

Biogenic silica and organic carbon in sediments from the Pacific sector of the Southern Ocean: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 443-449, illus., 13 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004019

Fitzgerald, Paul (Syracuse University, Department of Earth Sciences, Syracuse, NY).

Tectonics and landscape evolution of the Antarctic Plate since the breakup of Gondwana, with an emphasis on the West Antarctic Rift system and the Transantarctic Mountains: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 453-469, illus., 143 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004020

Stern, T. A. (Victoria University of Wellington, Institute of Geophysics, Wellington, New Zealand) and Baxter, A. K.

Glacial erosion, rock, and peak uplift within the central Transantarctic Mountains: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 471-478, illus. incl. 3 tables, 34 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004021

Capponi, Giovanni (Universita di Genova, Dipartimento Studio del Territorio e delle sue Risorse, Genoa, Italy); Meccheri, Marco and Pertusati, Piero.

Italian geological mapping in northern Victoria Land; the GIGAMAP Project: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 621-624, illus., 6 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand. Includes 1 appendix.

58004022

Bozzo, Emanuele (Universita di Genova, DIPTERIS, Genoa, Italy); Ferraccioli, Fausto; Caneva, Giorgio; Chiappini, Massimo and Damaske, Detlef.

Total field magnetic anomaly map 1:250,000 over northern Victoria Land between central Rennick Glacier and Evans Neve (Antarctica): *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 625-627, illus., 19 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004023

Camerlenghi, Angelo (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy); Rebesco, Michele; De Santis, Laura; Volpi, Valentina and De Rossi, Alessandra.

The Antarctic Peninsula Pacific margin; modelling flexure and decompaction with constraints from ODP Leg 178 initial results: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 261-267, illus. incl. sects., 1 table, geol. sketch maps, 32 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004024

Lucchi, Renata G. (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy); Rebesco, Michele; Buseti, Martina; Caburlotto, Andrea; Colizza, Ester and Fontolan, Giorgio.

Sedimentary processes and glacial cycles on the sediment drifts of the Antarctic Peninsula Pacific margin; preliminary results of SEDANO-II Project: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 275-280, illus. incl. strat. col., sketch map, 9 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004025

Barker, Peter F. (British Antarctic Survey, Cambridge, United Kingdom); Camerlenghi, Angelo; Acton, Gary D.; Brachfeld, Stefanie A.; Cowan, Ellen A.; Daniels, James; Domack, Eugene W.; Escutia, Carlota; Evans, Andrew J.; Eyles, Nicholas; Guyodo, Yohan J. B.; Iorio, Marina; Iwai, Masao; Kyte, Frank T.; Lauer, Christine; Maldonado, Andrés; Moerz, Tobias; Osterman, Lisa E.; Pudsey, Carol J.; Schuffert, Jeffrey D.; Sjunneskog, Charlotte M.; Vigar, Kate L.; Weinheimer, Amy L.; Williams, Trevor; Winter, Diane M. and Wolf-Welling, Thomas C. W.

Antarctic glacial history; Step 1, The continental margin drilled by ODP Leg 178: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 337-344, illus. incl. sects., sketch map, 48 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004026

Pudsey, Carol J. (British Antarctic Survey, Cambridge, United Kingdom); Howe, John A.; Morris, Peter and Gunn, David.

Processes on sediment drifts from 3.5 kHz data, Antarctic Peninsula continental rise: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 345-350, illus. incl. sects., strat. cols., sketch maps, 20 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004027

Corcuera, M. I. (Universidad Politécnica de Madrid, Departamento de Matemática Aplicada, Madrid, Spain); Martin, C.; Navarro, F. J.; Calvert, J. and Ximenis, L.

A flowplane model of the dynamics of Johnsons Glacier, Livingston Island, South Shetland Islands, Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 381-390, illus. incl. sketch map, 44 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004028

Miura, Hideki (National Institute of Polar Research, Tokyo, Japan); Maemoku, Hideaki and Moriwaki, Kiichi.

Holocene raised beach stratigraphy and sea-level history at Kizhashi Beach, Skarvsnes, Lützow-Holm Bay, Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 391-396, illus. incl. 1 table, sketch map, 18 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004029

Sawagaki, Takanobu (Hokkaido University, Graduate School of Environmental Earth Science, Sapporo, Japan) and Hirakawa, Kazuomi.

Terrestrial evidence of melting of the Antarctic ice sheet during the last glacial period: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 405-414, illus. incl. sketch map, 40 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004030

Ferraccioli, Fausto (Universita di Genova, Dipartimento per lo Studio del Territorio delle sue Risorse, Genoa, Italy); Bozzo, Emanuele and Damaske, Detlef.

Crustal blocks of the King Edward VII Peninsula interpreted from magnetic anomalies, Marie Byrd Land, West Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 533-538, illus. incl. 1 table, geol. sketch maps, 29 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004031

Behrendt, John (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO); Blankenship, Donald D.; Morse, David L.; Finn, Carol A. and Bell, Robin E.

Removal of subglacial erupted volcanic edifices beneath the divide of the West Antarctic ice sheet interpreted from aeromagnetic and radar ice-sounding surveys: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 579-587, illus. incl. sketch map, 27 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004032

Kaminuma, Katsutada (National Institute of Polar Research, Tokyo, Japan).

Seismic activity, crustal uplift, and sea-level change around Syowa Station, Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 595-600, illus. incl. sketch maps, 33 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004033

Kanao, Masaki (National Institute of Polar Research, Itabashi, Japan); Kaminuma, Katsutada; Kobayashi, Reiji; Shibuya, K. and Nogi, Y.

Replacement of the seismic observation system and public data access at Syowa Station, East Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 601-610, illus., 23 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004034

Vasilenko, E. V. (Academy of Sciences of Uzbekistan Republic, Department of Precision Mechanics, Tashkent, Uzbekistan); Sokolov, V. G.; Macheret, Yu. Ya.; Glazovsky, A. F.; Cuadrado, M. L. and Navarro, F. J.

A digital recording system for radioglaciological studies: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 611-617, illus., 19 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004035

Snape, Ian (Australian Antarctic Division, Human Impacts Research Program, Kingston, Tasmania, Australia); Gore, Damian B.; Cole, Coleen M. and Riddle, Martin J.

Contaminant dispersal and mitigation at Casey Station; an example of how applied geoscience research reduce environmental risks in Antarctica: *in* Antarctica at the close of a millennium; proceedings of the 8th international symposium on Antarctic earth sciences (Gamble, John A., editor; *et al.*), **Bulletin - Royal Society of New Zealand**, 35, p. 641-648, illus. incl. 2 tables, sketch maps, 33 ref., 2002. *Meeting*: July 5-9, 1999, Wellington, New Zealand.

58004036

Rodionov, Sergei (Great Lakes Environmental Research Laboratory, Ann Arbor, MI); Assel, Raymond and Herche, Lynn.

Tree-structured modeling of the relationship between Great Lakes ice cover and atmospheric circulation patterns: **Journal of Great Lakes Research**, 27(4), p. 486-502, illus. incl. 3 tables, sketch maps, 36 ref., 2001.

58004037

Sensoy, A. (Middle East Technical University, Department of Civil Engineering, Ankara, Turkey); Tekeli, A. E.; Sorman, A. A. and Sorman, A. U.

Simulation of event-based snowmelt runoff hydrographs based on snow depletion curves and the degree-day method: *in* Applications of remote sensing in hydrology (Granger, Raoul, prefacer; *et al.*), **Canadian Journal of Remote Sensing**, 29(6), p. 693-700 (French sum.), illus. incl. 3 tables, sketch map, 16 ref., December 2003. *Meeting*: Oct. 2-5, 2001, Montpellier, France.

58004038

MacLeod, David Matthew.

Latest Pleistocene and Holocene paleo-environments, Rose Basin, Glacier National Park, MT: Master's, May 2003, University of Calgary, Calgary, AB, Canada.

58004039

Newman, Brent D. (Los Alamos National Laboratory, Earth and Environmental Sciences Division, Los Alamos, NM); Wilcox, Bradford P. and Graham, Robert C.

Snowmelt-driven macropore flow and soil saturation in a semiarid forest: **Hydrological Processes**, 18(5), p. 1035-1042, illus. incl. 4 tables, 22 ref., April 15, 2004.

58004040

Gladkii, K. V.; Lobanov, A. M. and Mel'nikov, V. P.

Vliianie poverkhnostnykh geologicheskikh neodnorodnostei na izmeneniia gravitatsionnogo i magnitnogo polei [Effect of surface geological heterogeneities on changes in gravity and magnetic fields]: **Razvedochnaia Geofizika**, 64, p. 139-144, illus. incl. table, 4 ref., 1974.

58004041

Mastryukov, S. I. and Raskatov, V. N.

Ekologicheskaiia ranimost' Severnogo Ledovitogo okeana v svyazi s osobennost'iu ego obmennykh protsessov [Ecological vulnerability of the Arctic Ocean with regard to the characteristics of its exchange processes]: *in* Geologicheskoe stroenie i geomorfologiya Severnogo Ledovitogo okeana v svyazi s problemoi vneshnei granitsy kontinental'nogo shel'fa Rossiiskoi Federatsii v Arkticheskom basseine (Kaminskii, V. D., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Geologii i Mineral'nykh Resursov Mirovogo Okeana, Saint Petersburg, Russian Federation, p. 39-43, illus. incl. 2 tables, sketch map, 3 ref., 2000.

58004042

Barsegov, Iu. G.; Solov'ev, M. N.; Tikhomirov, S. N.; Mogilevskii, I. M.; Lifshits, V. M.; Korzun, V. A.; Zhukova, G. N.; Nikitina, E. N. and Dolmatova, S. A.

Arktika; interesy Rossii i mezhdunarodnye usloviia ikh realizatsii; Tom I [The Arctic; Russian interests and international conditions of their realization; Volume 1]: Rossiiskaia Akademiia Nauk, Institut Mirovoi Ekonomiki i Mezhdunarodnykh Otnoshenii, Moscow, Russian Federation, 131 p., illus. incl. 9 tables, sketch maps, 146 ref., 2000. Includes appendices.

58004043

Barsegov, Iu. G.; Solov'ev, M. N.; Tikhomirov, S. N.; Mogilevskii, I. M.; Lifshits, V. M.; Korzun, V. A.; Zhukova, G. N.; Nikitina, E. N. and Dolmatova, S. A.

Arktika; interesy Rossii i mezhdunarodnye usloviia ikh realizatsii; Tom II [The Arctic; Russian interests and international conditions of their realization; Volume 2]: Rossiiskaia Akademiia Nauk, Institut Mirovoi Ekonomiki i Mezhdunarodnykh Otnoshenii, Moscow, Russian Federation, 94 p., illus. incl. 9 tables, sketch maps, 146 ref., 2000. Includes appendices.

58004044

Maksimov, G. N. and Fedorov, A. N., editors.

Klimat i merzlota; kompleksnye issledovaniia v Iakutii [Climate and permafrost; complex investigations in Yakutia]: Izdatel'stvo Instituta Merzlotovedeniia Sibirskogo Otdeleniia Akademii Nauk, Iakutsk, Russian Federation, 158 p., 2000. ISBN: 5-93254-012-5. *Meeting*: Dec. 8, 1998, Iakutsk, Russian Federation. Individual abstracts within scope are cited separately.

58004045

Rozenbaum, G. E. and Shpolyanskaia, N. A.

Pozdnekainozoiskaia istoriia kriolitozony Arktiki i tendentsii ee budushchego razvitiia [Upper Cenozoic Arctic cryolithozone history and tendencies for its future development]: Nauchnyy Mir, Moscow, Russian Federation, 104 p., illus. incl. 2 tables, sketch maps, 150 ref., 2000. ISBN: 5-89176-095-9.

58004046

Tarasov, G. A.; Pogodina, I. A.; Khasankaev, V. B.; Kukina, N. A. and Mityaev, M. V.

Protsessy sedimentatsii na glyatsial'nykh shel'fakh [Processes of sedimentation on glacial shelves]: Rossiiskaia Akademiia Nauk, Kol'skii Nauchnyy Tsentr, Apatity, Russian Federation, 473 p., illus. incl. 2 plates, sects., 43 tables, sketch maps, 840 ref., 2000.

58004047

DeGaetano, Arthur T. (Cornell University, Northeast Regional Climate Center, Ithaca, NY); Eggleston, Keith L. and Knapp, Warren W.

Daily evapotranspiration and soil moisture estimates for the northeastern United States: **North-east Regional Climate Center Research Publication**, Rep. No. RR 94-1, 11 p., illus. incl. 2 tables, 18 ref., January 1994.

58004048

Viau, Bernard (Université Laval, Département de Géographie, Sainte-Foy, PQ, Canada).

Guide d'analyse en photo aerienne [Aerial photography analysis guide]: Université Laval, Sainte-Foy, PQ, Canada, 181 p., illus., 1980.

58004049

Poff, Ronald J. (Wisconsin Department of Natural Resources, Madison, WI).

The chemical composition of Wisconsin lake waters; a basis for water quality studies: 18 p., illus. incl. sketch maps, 11 ref., March 1970. *Available from:* Wisconsin Department of Natural Resources, Madison, WI, United States. Management Rep. No. 30.

58004050

Komjathy, A.; Maslanik, J.; Zavorotny, V. U.; Axelrad, P. and Katzberg, S. J.

Sea ice remote sensing using surface reflected GPS signals: 4 p., 2000. *Available from:* National Technical Information Service, (703)685-6900, order number N20020004347NEG, Springfield, VA, United States. (Grant NAG1-1927). Presented at IEEE International Geoscience and Remote Sensing Symposium Honolulu, HI, July, 24-28, 2000.

58004052

Ferris, James S. (University of California at Berkeley, Department of Forestry and Resource Management, Berkeley, CA) and Congalton, Russell G.

Satellite and geographic information system estimates of Colorado River basin snowpack: *in* The GIS applications book; examples in natural resources; a compendium (Ripple, William J., editor), American Society for Photogrammetry and Remote Sensing, Corvallis, OR, p. 64-70, illus. incl. 3 tables, sketch map, 17 ref., 1994.

58004053

Johns, Christopher (University of Alberta, Edmonton, AB, Canada); Biggar, Kevin; Foght, Julia and Mullick, Anjum.

Intrinsic bioremediation of BTEX in a cold-temperature environment: *in* Natural attenua-

tion of chlorinated solvents, petroleum hydrocarbons, and other organic compounds (Alleman, Bruce C., editor; *et al.*), **International In Situ and On-Site Bioremediation Symposium**, 5, p. 195-200, illus. incl. 3 tables, sketch map, 7 ref., 1999. *Meeting*: Fifth international in situ and on-site bioremediation symposium, April 19-22, 1999, San Diego, CA.