

**56001478**

**Egorov, A. G. and Spichkin, V. A.**

Uniform ice regions of the north-eastern part of the Kara Sea [abstr.]: Rep. No. T-904-01, 9 p., illus., 3 ref., 19???. *Available from:* U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States. Translated from Russian.

**56001658**

**Korhonen, Charles J. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

A new approach to cold-weather concreting: **Ice Engineering**, 28, p. 1-4, illus., 3 ref., August 2001. CRREL Report No: ERDC/CRREL MP-02-5777

**56001659**

**Hanek, Gordon L. (U. S. Department of Agriculture, Forest Service, Roseburg, OR); Truebe, Mark A. and Kestler, Maureen A.**

Using time domain reflectometry (TDR) and radio frequency (RF) devices to monitor seasonal moisture variation in forest road subgrade and base materials: 80 p., 30 ref., July 2001. *Available from:* U. S. Department of Transportation, Federal Highway Administration, Washington, DC, United States. CRREL Report No: ERDC/CRREL MP-02-5809

**56001675**

**Belyakov, V. B. and Garmusov, E. M.**

The ice model basin of the Gorky Polytechnic Institute: Rep. No. T-822-04, unpaginated, illus., 1982. *Available from:* U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States. Translated from Russian, Trans. Gorky Polytechnic Institute "Theory and strength of an icebreaking ship", 1982; for Russian original see 43-003856.

**56001676**

**Voevodin, V. A. and Gudkovich, Z. M.**

Wind effect on ice compressions in the Arctic seas: Rep. No. T-819-13, 10 p., 16 ref., 1981. *Available from:* U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States. Translated from Russian; Trans. AANII (Arctic and Antarctic Research Institute), Vol. 384, 1981; for Russian original see 43-004439.

**56001677**

**Sleptsov-Shevelevich, B. A.**

Twenty-two-year cycle of solar activity and air temperature in the Northern Hemisphere: Rep. No. T819-12, 6 p., illus. incl. 1 table, 8 ref., 1981. *Available from:* U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States. Translated from Russian; Trans. AARI "Studies of ice conditions of Arctic seas and forecasting technique", Vol. 384, L. "HydroMetlzdat" Publishers, 1981; for Russian original see 36-003959.

**56001684**

**Sodhi, Devinder S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

Crushing failure during ice-structure interaction: **Engineering Fracture Mechanics**, 68, p. 1889-1921, illus., 76 ref., 2001. CRREL Report No: ERDC/CRREL MP-02-5810

**56001685**

**Polissar, A. V. (Clarkson University, Department of Chemistry, Potsdam, NY); Hopke, P. K.; Harris, J. M.; Bodhaine, B. A. and Dutton, E. G.**

Source regions for atmospheric aerosol measured in the western Arctic: **Journal of Aerosol Science**, 29, Suppl. 1, p. S513-S514, illus. incl. sketch maps, 3 ref., 1998.

**56001740**

**Eldegard, Tom (Foundation for Research in Economics and Business Administration, Bergen, Norway).**

European gas markets and Russian LNG; prospects for the development of European gas markets and model simulations of possible new LNG supplies from year 2000: **INSROP Working Paper**, Rep. No. 41, 82 p., illus. incl. 12 tables, sketch maps, 31 ref., 1996. ISBN: 82-7613-142-5 (III.07.4). Sub-programme III, Trade and commercial shipping aspects; Project III.07.4, Seaborne exports of gas from Yamal.

**56001765**

**Brigham, L. W., prefacer (U. S. Coast Guard Cutter Polar Sea).**

Observations of the Russian icebreaker YAMAL: unpaginated, illus., 1994. *Available from:* U. S. Department of Transportation, U. S. Coast Guard, United States.

**56001977**

**Anonymous.**

Background to proposed rules for building and classing steel vessels intended to navigate in ice; appendices: variously paginated, illus. incl. tables, 167 ref., October 1983. *Available from:* American Bureau of Shipping, New York, NY, United States. Appendix I, Ship/ice interaction; Appendix II, Design ice load definition; Appendix III, Bibliography.

**56002139**

**Baskin, A. (Central Marine Research and Design Institute, Saint Petersburg, Russian Federation); Vasilyev, V.; Tsoy, L.; Glebko, Yu.; Timofeeva, L.; Aksenov, Ye.; Brestkin, S.; Buzuyev, A.; Gorbunov, Yu.; Kuznetsova, G.; Losev, S.; Nikolayev, S.; Porubayev, V.; Teitel'baum, K. and Frolov, S.**

Content of database; Volume 2, 1994 project work: **INSROP Working Paper**, Rep. No. 42, variously paginated, illus. incl. tables, sketch maps, March 25, 1996. ISBN: 82-7613-143-3 (I.4.1). Sub-programme I, Natural conditions and ice navigation.

**56002140**

**Ierusalimsky, A. V. (Central Marine Research and Design Institute, Saint Petersburg, Russian Federation); Ponomarev, S. M. and Semanova, T. M.**

New concepts of removing ice; investigation of the efficiency and advisability to use non-traditional shape of hull lines for icebreakers and icebreaking cargo ships of Arctic navigation: **INSROP Working Paper**, Rep. No. 62, 49 p., illus. incl. tables, 13 ref., October 7, 1996. (III.11.1). Final report; Sub-programme III, Trade and commercial shipping aspects.

**56002141**

**Ikrath, Kurt (U. S. Army Electronics Command, Institute for Exploratory Research, Fort Monmouth, NJ); Johnson, Ronald F.; Kennebeck, William; Murphy, Kenneth J.; Ridgeway, Robert and Stascavage, Leonard.**

Communication and target detection through ice by means of seismic acoustic signals: Rep. No. ECOM-2900; AD826187, 45 p., illus., 6 ref., October 1967. *Available from:* U. S. Army Electronics Command, Fort Monmouth, NJ, United States.

**56002203**

**Anonymous.**

Shining a northern light on corrosion: National Association of Corrosion Engineers, variously paginated, illus., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK. Individual papers within scope are cited separately.

**56002204**

**Holtsbaum, Brian (Associated Corrosion Consultants, Calgary, AB, Canada).**

Performance of deep groundbeds in Western Canada: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 16 p., illus., 7 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002205**

**Webster, Harry A. (CORRENG Consulting Service, Downsview, ON, Canada).**

Metals in the environment: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 9 p., illus. incl. 2 tables, 3 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002207**

**Ruschau, Gregory R. (CC Technologies, Dublin, OH) and Kozisek, Louis C.**

Application of liners for North Slope service: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 16 p., illus., 6 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002208**

**Gummow, R. A. (CORRENG Consulting Service, Downsview, ON, Canada).**

Telluric current effects on corrosion and corrosion control systems on pipelines in cold climates: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 19 p., illus., 29 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002209**

**Webster, R. David (Corrpro Canada, Calgary, AB, Canada).**

Cathodic protection design for a pipeline at 68 degrees north latitude: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 9 p., illus. incl. 1 table, sketch map, 2 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002210**

**Lott, Paul (Steelfab, Anchorage, AK).**

Arctic pipeline inspection using phased array techniques: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 6 p., illus., 1 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002211**

**MacIntosh, Glenn (Denso North America, Edmonton, AB, Canada) and Stewart, Wendy L.**

Cold climate pipeline coating solutions: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 15 p., illus., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002212**

**Perrigo, Lyle D. (U. S. Arctic Research Commission, Anchorage, AK).**

The use of oral history techniques to acquire cold climate corrosion control information: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 12 p., illus., 20 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002213**

**King, George (CSIRO Building Construction and Engineering, Highett, Victoria, Australia); Ganther, Wayne; Hughes, Janet; Grigioni, Paolo and Pellegrini, Andrea.**

Studies in Antarctica help to better define the temperature criterion for atmospheric corrosion: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 16 p., illus., 12 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002214**

**Hughes, Janet (National Gallery of Australia, Canberra, Australia); King, George and Ganther, Wayne.**

The application of corrosion information for the conservation of historic buildings and artefacts in Antarctica: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 24 p., illus. incl. 3 tables, 25 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002215**

**Morcillo, M. (Centro Nacional de Investigaciones Metalúrgicas, Madrid, Spain); de la Fuente, D.; Chico, B.; Almeida, E.; Rivero, S.; Rosales, B. and Joseph, G.**

Atmospheric corrosion of reference metals in Antarctic sites: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 18 p., illus. incl. 9 tables, 19 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002216**

**Rosales, Blanca M. (DEICOR-CITEFA, Villa Martelli, Argentina) and Fernández, Alejandro.**

Parameters controlling steel and copper corrosion nucleation and propagation in Antarctica: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 11 p., illus. incl. 3 tables, 24 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002217**

**Henriksen, J. F. (Institute for Air Research (NILU), Kjeller, Norway) and Mikhailov, A. A.**

Corrosion in SO<sub>2</sub> polluted cold climate atmospheres in Northern Norway and at the border between Norway and Russia: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 14 p., illus. incl. 5 tables, sketch map, 8 ref., February 26, 2001. *Meeting:* NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002218**

**Crevolin, J. Pierre (CSI Coating Systems, Nisku, AB, Canada).**

Internal lining of large diameter above ground storage tank floors in cold climates: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 7 p., 3 ref., February 26, 2001. *Meeting*: NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002219**

**Seifert, Richard D. (University of Alaska at Fairbanks, Cooperative Extension Service, Fairbanks, AK) and George, Marquam.**

Concerns about corrosion in arctic and subarctic housing technologies and applications: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 9 p., illus. incl. sketch map, 3 ref., February 26, 2001. *Meeting*: NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002220**

**Heidkamp, Rita (Alyeska Pipeline Service Company, Fairbanks, AK).**

Integrated corrosion monitoring on the Trans-Alaska Pipeline: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 9 p., illus. incl. 1 table, 4 ref., February 26, 2001. *Meeting*: NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002221**

**Goldmann, Ed (Phillips Alaska, Anchorage, AK); Dash, Lawrence C. and Killins, Joe D.**

MFL pig inspection results compared with visual/UT verification inspections on a 24" pipeline located on the North Slope: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 7 p., illus., 3 ref., February 26, 2001. *Meeting*: NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002222**

**White, Ann Marie (Alyeska Pipeline Service Company, Fairbanks, AK) and Hackney, David A.**

Check valve damage on the Trans-Alaska Pipeline System caused by pigging: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 8 p., illus., February 26, 2001. *Meeting*: NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002223**

**LaFontaine, John P. (Deepwater Corrosion Services, Houston, TX) and Britton, James N.**

Cathodic protection monitoring of offshore pipelines and structures in Alaskan waters: *in* Shining a northern light on corrosion, National Association of Corrosion Engineers, 8 p., illus., 1 ref., February 26, 2001. *Meeting*: NACE Northern area western region conference, Feb. 26-28, 2001, Anchorage, AK.

**56002226**

**Lenoe, Edward M. (West Point Military Academy, Civil and Mechanical Engineering Department, West Point, NY) and Dutta, Piyush K.**

Ballistic performance of Kevlar composites; impact obliquity & Arctic environmental effects: *in* Proceedings of the Tenth DOD/NASA/FAA conference on Fibrous composites in structural design; Volume II (Hess, Thomas E., compiler; *et al.*), Rep. No. NAWCADWAR-94096-60, p. IX.43-IX.49, 1 ref., April 1994. *Meeting*: Nov. 1-4, 1993, Hilton Head Island, SC. Limited distribution. CRREL Report No: ERDC/CRREL MP-02-5813

**56002227**

**Kostohrys, Jon (Bureau of Land Management, Northern Field Office, Fairbanks, AK); Barber, Valerie and Hammond, Tim.**

Water resources of the Northeast National Petroleum Reserve-Alaska: **BLM-Alaska Open File Report**, Rep. No. 80, 27 p., illus. incl. 6 tables, sketch maps, 25 ref., July 2000. Includes appendices.

**56002229**

**Bittenbender, Peter E. (Bureau of Land Management, Division of Lands, Minerals and Resources, Juneau, AK); Bean, Kirby W. and Still, Jan C.**

Stikine Airborne Geophysical Survey followup, central Southeast Alaska, 2000: **BLM - Alaska Technical Report**, Rep. No. 37, 116 p., illus. incl. 14 tables, sketch maps, November 2001.

**56002231**

**Grachev, I. A. (Peterburgskii Gosudarstvennyi Universitet Putei Soobshcheniia, Saint Petersburg, Russian Federation).**

Ispol'zovanie poezdnoi vozki grunta pri otsypke zemlyanogo polotna zheleznikh i avtomobil'nykh dorog na bolotakh [Applying trains for soil transportation for highway and railroad embankment bog filling]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(3), p. 10-13, illus., 7 ref., 1998.

**56002232**

**Levanov, N. I. (Urengoidromekhanizatsiia, Russian Federation).**

Gidromekhanizatsiia na gazovykh mestorozhdeniiaKh Krainego Severa [Hydromechanization operations for Russian Arctic oil and gas field development]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(2), p. 16-17 (English sum.), illus., 1998.

**56002233**

**Khabibulin, K. I. (TsNIIS, Russian Federation) and Ozhgibesov, Iu. P.**

Novaiia konstruktsiia naruzhnykh stenovykh panelei s povyshennymi teplotekhnicheskimi kharakteristikami [New structure of outer wall panels with high thermal resistance]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(2), p. 20-21 (English sum.), 1998.

**56002234**

**Kondrat'ev, V. G. (Mosgioprotrans, Russian Federation) and Sudarev, A. G.**

Ukrepnenie osnovaniia zemlyanogo polotna dorog na vechnomerzlykh gruntakh [Railroad foundation strengthening in permafrost soils]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(4), p. 21-24 (English sum.), illus. incl. 1 table, 17 ref., 1998.

**56002235**

**Pereselenkov, G. S. (TsNIIS, Russian Federation).**

Real'naia opasnost' slabykh zemletryasenii dly transportnykh ob"ektov [Real hazard of weak earthquakes effect on transport structures]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(11), p. 6-8, illus., 2 ref., 1998.

**56002236**

**Khabibulin, K. I. (TsNIIS, Russian Federation).**

O nekotorykh voposakh seismostoikosti transportnykh zdaniy [Seismic stability of transport constructions]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(11), p. 16-19, illus., 6 ref., 1998.

**56002237**

**Merkin, V. E. (TsNIIS, Russian Federation); Smirnov, N. V. and Smolyanskii, V. M.**

Opyt i perspektivy primeneniia stralefibrobetonnykh konstruksii v transportnom stroitel'stve [Experience and prospect of fiber reinforced concentrate application in transport construction]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(5), p. 10-15 (English sum.), illus. incl. 4 tables, 1998.

**56002260**

**Mulherin, Nathan D. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Tucker, Walter B., III; Smith, Orson P. and Lee, William J.**

Marine ice atlas for Cook Inlet, Alaska: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-01-10, 145 p., illus. incl. 9 tables, sketch maps, 153 ref., May 2001. *Available from:* NTIS. Includes appendices.

[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR-01-10.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR-01-10.pdf)

**56002261**

**Leggett, Daniel C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Cragin, James H.; Jenkins, Thomas F. and Ranney, Thomas.**

Release of explosive-related vapors from land mines: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-01-6, 12 p., illus. incl. 3 tables, 15 ref., February 2001. *Available from:* NTIS. Includes appendix.

[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR-01-6.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR-01-6.pdf)

**56002272**

**Helbling, E. W. (Estación de Fotobiología Playa Unión and Consejo Nacional de Investigaciones Científicas y Técnicas, Chubut, Argentina) and Villafane, V. E.**

UV radiation effects on phytoplankton primary production; a comparison between Arctic and Antarctic marine ecosystems: *in* UV radiation and Arctic ecosystems (Hessen, Dag O., editor), **Ecological Studies**, 153, p. 203-226, illus., 122 ref., 2001.

**56002295**

**Anonymous.**

NGS benchmark locations and elevations along Trans-Alaska Pipeline and Haul Road between Fairbanks and Prudhoe Bay: 395 p., illus. incl. sketch maps, 19??. *Available from:* National Geodetic Survey, United States; Alyeska Pipeline Service Company, United States.

**56002364**

**Boom, Arnoud (University of Amsterdam, Institute for Biodiversity and Ecosystem Dynamics, Amsterdam, Netherlands); Marchant, Robert; Hooghiemstra, Henry and Sinninghe Damsté, J. S.**

CO<sub>2</sub>- and temperature-controlled altitudinal shifts of C<sub>4</sub>- and C<sub>3</sub>-dominated grasslands allow reconstruction of palaeoatmospheric pCO<sub>2</sub>: *in* Reconstruction and modelling of grass-dominated ecosystems (Beuning, Kristina R. M., editor; *et al.*), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 177(1-2), p. 151-168, illus. incl. sketch map, 68 ref., January 5, 2002. *Meeting*: First Paleo-Grassland Research workshop (PGR 2000), 2000, Westbrook, CT. Neth. Inst. Sea Res. (NIOZ), Contrib. No. 3536.

**56002369**

**Ivanov, V. N. (Aeroproekt, Russian Federation); Vinogradov, A. P. and Vtorushin, V. N.** Opyt i perspektiva primeneniia stalefibrobeta v aerodromnom stroitel'stve [Experience and prospects for application of steel fiber concrete in aerodrome construction]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(7), p. 15-16 (English sum.), illus. incl. table, 1998.

**56002370**

**Kiselev, V. N. (Vizbas, Russian Federation) and Nikiforov, K. P.**

Osobennosti zamorazhivaniia gruntov v usloviakh dvizheniia podzemnykh vod [Ground freezing features in ground water movement conditions]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(8), p. 7-8 (English sum.), 1998.

**56002371**

**Kondrat'ev, V. G. (Mosgioprotrans, Russian Federation); Eroshenko, V. N. and Shestakov, V. G.**

Solntseosadkozashchitnye navesy dlya ukrepleniia osnovaniia zemlyanogo polotna dorog na vechnomerzlykh gruntakh [Strengthening railroad foundation on permafrost by means of using a shed for solar radiation and protecting settlement]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(8), p. 15-19 (English sum.), illus. incl. 2 tables, 4 ref., 1998.

**56002373**

**Maleev, A. I. (Transstroii, Russian Federation); Stepanenko, V. K.; Pereselenkov, G. C.; Petrov, B. G.; Orlov, G. G.; Stenyakin, D. V.; Kvachev, D. A. and Kamaeva, M. G.**

Stroitel'stvo zemlyanogo polotna pod"ezdnoyu puti Chara-China [Railroad soil foundation construction of Chara-China spur track]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(2), p. 2-7 (English sum.), illus., 2000.

**56002374**

**Kazarnovskii, V. D. (Soiuzdornii, Russian Federation).**

Opyt sooruzheniia zemlyanogo polotna avtomobil'nykh dorog v slozhnykh prirodno-klimaticheskikh usloviakh [Experience of highway soil embankment construction in difficult climate conditions]: **Transportnoe Stroitel'stvo = Transport Construction**, 1999(12), p. 7-9, illus., 1999.

**56002375**

**Abzhalimov, R. Sh. (Omskgrazhdanproekt, Omsk, Russian Federation).**

K raschetu truboprovodov na melkozaglublennykh fundamentakh pri puchinykh gruntovykh osnovaniakh [Design of shallow pipeline foundations of heaving soils]: **Transportnoe Stroitel'stvo = Transport Construction**, 1999(11), p. 28-30 (English sum.), illus., 4 ref., 1999.



**56002376**

**Glazman, F. B. (TsNIIS, Russian Federation).**

Zashchita stal'nykh konstrukttsii mostov ot korrozii [Corrosion prevention of steel bridge structures]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(3), p. 23-24 (English sum.), illus., 2000.

**56002377**

**Pereselenkov, G. S. (TsNIIS, Moscow, Russian Federation).**

Transportnye koridory i zashchita okruzhaiushchei sredy [Transport corridors and environmental control]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(11), p. 13-15 (English sum.), illus., 2000.

**56002378**

**Fomin, Iu. N. (Cevzapmorgidrostroi, Saint Petersburg, Russian Federation).**

Povyshenie kachestva stroitel'stva prichalov tipa "Bol'verk" [Quality improvement of bulwark construction]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(11), p. 21-23, illus., 7 ref., 2000.

**56002379**

**Kaprielov, S. S. (NIIZhB, Russian Federation); Sheifel'd, A. V.; Silina, E. S.; Zhigulev, N. F. and Borygin, S. T.**

Vysokoprochnye betony povyshennoi morozosolestoikosti s organomineral'nym modifikatorom [High strength freeze- and salt-resistant concretes with organo-mineral modifier]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(11), p. 24-27 (English sum.), illus. incl. 1 table, 11 ref., 2000.

**56002380**

**Khabibulin, K. I. (TsNIIS, Moscow, Russian Federation); Kasp'e, I. B.; Sobchenko, M. S.; Razzhivin, A. V. and Prudkova, K. Iu.**

Solevaia agressiia gorodskoi sredy protiv zhelezobetonnykh konstrukttsii transportnykh sooruzhenii [Salt aggression against reinforced concrete constructions of transport structures in urban environment]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(9), p. 16-19, illus., 5 ref., 2000.

**56002381**

**Rudenko, M. S.**

Kerchenskii transportnyy koridor [Kerchenskii transport tunnel]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(9), p. 24-27, illus., 2000.

**56002382**

**Podverbnyy, V. A. (Moskovskii Gosudarstvennyy Universitet Putei Soobshcheniia, Moscow, Russian Federation).**

Vybor varianta zheleznoi dorogi na osnove kriteriia nechetkoi poleznosti [Choice of railroad design in terms of fuzzy utility criterion]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(7), p. 10-13, illus., 5 ref., 2000.

**56002383**

**Iskandar, I. K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Kirkham, M. B., editors.**

Trace elements in soil; bioavailability, flux, and transfer: Lewis Publishers, Boca Raton, FL, 287 p., illus., 2001. ISBN: 1-56670-507-X. *Meeting*: 5th international conference on Biogeochemistry of trace elements in the environment, July 11-15, 1999, Vienna, Austria. Individual chapters are cited separately. CRREL Report No: ERDC/CRREL MP-02-5808

**56002384**

**Anonymous.**

Background to proposed rules for building and classing steel vessels intended to navigate in ice: 58 p., illus. incl. tables, 23 ref., October 1983. *Available from*: American Bureau of Shipping, United States. Includes appendices published separately.

**56002386**

**University of Colorado at Boulder, Institute of Arctic and Alpine Research.**

Biennial report; 1999-2000: **Institute of Arctic and Alpine Research. Biennial Report, 1999-2000**, 54 p., 2001.

**56002390**

**Klieforth, Robert F. (Bureau of Land Management, Alaska State Office, Division of Lands, Minerals and Resources, Anchorage, AK); Kurtak, Joseph M.; Clark, John M. and Maclean, Elizabeth A.**

Analytical results from mineral investigations in the Koyukuk mining district, Northern Alaska: **BLM-Alaska Open File Report**, Rep. No. 84, 38 p. 1 sheet, illus. incl. 5 tables; economic geology map, 1:250,000, 174 ref., November 2001.

**56002395**

**Palmer, Andrew (Cambridge University, Cambridge, United Kingdom); Clark, Jack I. and Bogdanchikov, S. M., chairpersons.**

Proceedings of ice scour and Arctic marine pipelines workshop: **International Symposium on Okhotsk Sea and Sea Ice**, 13, 138 p., illus. incl. tables, sects., sketch maps, November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan. Individual papers are cited separately.

**56002411**

**Clark, Jack I. (Memorial University of Newfoundland, C-CORE, St. John's, NF, Canada); Phillips, Ryan and Paulin, Mike.**

Ice scour research for the safe design of pipelines; 1978-1998: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 1-5, 15 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002412**

**Palmer, Andrew (Cambridge University, Engineering Department, Cambridge, United Kingdom).**

Alternative paths for determination of numerical burial depth to safeguard pipelines against ice gouging: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 9-16, illus., 17 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

56002413

**Smith, Charles E. (U. S. Minerals Management Service, Engineering and Research Branch, Herndon, VA); Hinnah, Dennis W. and Walker, Jeffery.**

Offshore pipeline integrity; the key to pollution-free operations: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 17-30, 20 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

56002414

**Croasdale, K. R. (K. R. Croasdale and Associates, Calgary, AB, Canada).**

Review of strength of first year ice features and driving forces relating to ice scour [abstr.]: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 31-32, illus., 2 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

56002415

**Woodworth-Lynas, Chris M. T. (PETRA International, Cupids, NF, Canada).**

Sub-scour soil deformations and the development of ideas from field work in the last decade: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 33-41, illus. incl. sects., 31 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

56002416

**Beketsky, Sergei (Sakhalinmorneftegaz-Exxon, Houston, TX).**

Method of ice ridge age definition: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 43-46, illus., 3 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

56002417

**Beketsky, Sergei (Sakhalinmorneftegaz-Exxon, Houston, TX).**

Sakhalin ice gouge measurements through Stamukha drilling: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 47, illus. incl. 1 table, 6 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

56002418

**Blasco, Steve M. (Geological Survey of Canada, Dartmouth, NS, Canada); Shearer, J. M. and Myers, R.**

Seabed scouring by sea-ice; scouring process and impact rates; Canadian Beaufort shelf: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 53-58, 1 table, 4 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002419**

**Stepanov, Igor V. (Arctic and Antarctic Research Institute, State Research Center of the Russian Federation, Saint Petersburg, Russian Federation); Timofeyev, Oleg Ya.; Klepikov, Alexander V. and Malek, Valerey N.**

An approach to the optimisation of the burial depth of underwater pipelines on the Arctic offshore: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 59-69, illus. incl. sketch map, November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002420**

**Kioka, Shinji (Hitachi Zosen Corporation, Japan); Terai, Yuriko; Otsuka, Natsuhiko; Honda, Hideki and Saeki, Hiroshi.**

Mechanical model of ice gouging on sloping sandy beach: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 71-76, illus., 3 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002421**

**Stepanov, Igor V. (Arctic and Antarctic Research Institute, State Research Center of the Russian Federation, Saint Petersburg, Russian Federation).**

Statistical analysis of the shape characteristics of hummocks in Baydaratskaya Bay: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 77-82, illus., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002422**

**Fiorero, Adolfo (Laval University, Civil Engineering Department, Sainte-Foy, PQ, Canada).**

Steady-state ice scouring of the seabed: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 83-99, illus., 11 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002423**

**Beloshapkov, A. (Engineering-Production Society "Eco-System", Moscow, Russian Federation); Marchenko, A. and Dlugach, A.**

Seabed exaration by ice formations: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 101-120, illus. incl. sect., sketch map, 11 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002424**

**Grass, Jim (Ontario Hydra, Toronto, ON, Canada).**

Ice scours and ice ridges of Lake Erie, Ontario, Canada [abstr.]: *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 121, 2 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002425**

**Woodworth-Lynas, Chris M. T. (Memorial University of Newfoundland, C-CORE, Saint John's, NF, Canada); Phillips, Ryan; Clark, Jack I.; Hynes, F. and Xiao, X.**

Verification of centrifuge model results against field data; results from the Pressure Ridge Ice Scour Experiment (PRISE): *in* Proceedings of ice scour and Arctic marine pipelines workshop (Palmer, Andrew, chairperson; *et al.*), **International Symposium on Okhotsk Sea and Sea Ice**, 13, p. 123-138, illus. incl. 2 tables, 8 ref., November 1998. *Meeting*: 13th International symposium on Okhotsk Sea and sea ice, Feb. 1-4, 1998, Mombetsu, Japan.

**56002431**

**Preobrazhenskii, V. S.**

Kodarskii lednikovyy rayon (Zabaikal'e) [Kodar glacial area, Transbaikalia]: *in the collection* IX razdel programmy Mezhdunarodnyy Geofizicheskii God; Glyatsiologiya i T IX section of International Geophysical Year Program, Glaciology. Izdatel'stvo Akademii Nauk SSSR, Moscow, USSR, 4, 72 p. (English sum.), illus., 34 ref., 1960.

**56002519**

**Pyshko, L. V. (Mostotryad, Chita, Russian Federation); Kiiaev, V. M.; Dobrynin, Iu. V. and Ponin, V. Z.**

Voprosy stroitel'stva mostov na pod"ezdnykh zheleznodorozhnykh putyakh v zone BAM [Bridge construction on Baikal-Amur railroads]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(3), p. 2-7 (English sum.), illus., 2000.

**56002520**

**Kopylenko, V. A. (Moskovskii Gosudarstvennyy Universitet Putei Soobshcheniia, Moscow, Russian Federation).**

Vybor varianta trassy na peresechenii vodorazdela [Choice of railroad alignment under watershed crossing condition]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(3), p. 14-16 (English sum.), illus., 1998.

**56002521**

**Khabibulin, K. I. (TsNIIS, Russian Federation) and Sobchenko, M. S.**

Ob obespechenii ekspluatatsionnoi nadezhnosti zdaniy pri prokladke metropolitena v usloviakh porodskoi zastroyki [Providing reliable control of buildings in urban areas of metro tunnelling construction zone]: **Transportnoe Stroitel'stvo = Transport Construction**, 1998(5), p. 23-25 (English sum.), 1998.

**56002554**

**Lal, A. M. Wasantha and Shen, Hung Tao.**

A numerical method for simulating dynamic river ice transport: **Report - Clarkson University, Department of Civil and Environmental Engineering**, Rep. No. 91-12, 94 p., illus. incl. 3 tables, 52 ref., August 1991.

**56002555**

**Wiman, Leif G.**

Accelerated load testing of pavements; HVS-NORDIC tests in Sweden 1999: **VTI Rapport**, Rep. No. 477A, 93 p., illus. incl. 16 tables, 8 ref., 2001.

**56002556**

**Ierusalimsky, Alexander V. (Central Marine Research and Design Institute, Saint Petersburg, Russian Federation); Glebko, Yuri V.; Golubeva, A. A. and Ulatova, Natalia V.**

New concepts of removing ice; patent search, generalization and analysis of existing Russian inventions: **INSROP Working Paper**, Rep. No. 21, 87 p., illus., 15 ref., 1995. ISBN: 82-7613-117-4 (III.11.1). Includes appendices. Sub-programme III, Trade and commercial shipping aspects.

**56002557**

**Swithinbank, Charles W. M.**

Blue-ice airfields: *in* Report of a special meeting of the East Antarctic Air Network (EAAN) Working Group (Standing Committee on Antarctic Logistics and Operations (SCALOP)), National Institute of Polar Research, Tokyo, Japan, p. 24-28, 1998. *Meeting*: Mar. 2-3, 1998, Tokyo, Japan.

**56002558**

**Watson, Montgomery (4100 Spenard Road, Anchorage, AK).**

The Kodiak coastal defense system at Fort Greely during World War II: U. S. Army Corps of Engineers, Anchorage, AK, 22 p., illus. incl. sketch maps, 27 ref., October 1999.

**56002560**

**Selingo, Jeffrey (New York Times, New York, NY).**

Black ice, Wise Bridge; repelling the foe before it forms: **The New York Times**, 20011213, unpaginated, December 13, 2001.

**56002561**

**Meschke, G. (Technical University of Vienna, Institute for Strength of Materials, Vienna, Austria).**

A new viscoplastic model for snow at finite strains: *in* 4th international conference on Computational plasticity (Owen, D. R. J., editor; *et al.*), **International Conference on Computational Plasticity**, 4, p. 2295-2306, illus., 9 ref., 1995. *Meeting*: April 3-6, 1995, Barcelona, Spain.

**56002562**

**Dobshits, L. M. (Moskovskii Institut Inzhenerov Transporta, Moscow, Russian Federation); Antonov, E. A. and Atadzhanov, M. M.**

Uskorennoe opredelenie morozostoikosti tyazhelykh betonov [Accelerated determination of heavy concrete frost resistance]: **Transportnoe Stroitel'stvo = Transport Construction**, 1999(8), p. 24-26 (English sum.), illus. incl. 2 tables, 9 ref., August 1999.

**56002563**

**Dobretsov, V. B.**

Lowering strength of rocks by deep freezing: variously paginated, illus. incl. 2 tables, 4 ref., 19??. *Available from*: U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States. Translated from the Russian; for Russian original see 24-000298.

**56002567**

**Guitine, Dmitri I. (Technical University of Saint Petersburg, Saint Petersburg, Russian Federation).**

Method for lasting numerical prediction of gravity platforms basements behavior: Publisher unknown, Russian Federation, 20 p., illus., 5 ref., 1993. *Meeting*: 1st international conference on Development of Russian Arctic offshore, Sept. 20-24, 1993, Saint Petersburg, Russian Federation.

**56002695**

**Chacho, E. F., Jr. (U. S. Army Cold Regions Research and Engineering Laboratory, Fairbanks, AK); Burrows, R. L. and Emmett, W. W.**

Monitoring gravel movement in rivers: *in* Streams above the line; channel morphology and flood control; Proceedings of the Corps of Engineers workshop on Steep streams (U. S. Army Engineer Waterways Experiment Station, Hydraulics Laboratory), **Miscellaneous Paper HL (Vicksburg)**, Rep. No. WES/MP/HL-94-4, p. 4.1-4.11, illus. incl. 2 tables, 4 ref., September 20, 1994. *Available from*: National Technical Information Service, (703)605-6000, order number AD-A285 165/7NEG, Springfield, VA, United States. *Meeting*: Oct. 27-29, 1992, Seattle, WA. CRREL Report No: ERDC/CRREL MP-02-5799

**56002696**

**Babin, J. and Trew, D. O.**

Cold Lake-Beaver River long term water management study; Appendix H, The impact of the proposed Sand River reservoir of winter dissolved oxygen levels in the Beaver and Sand rivers: 82 p. 1 sheet, illus. incl. 17 tables; site location map, 14 ref., March 1985, [August 22, 2001]. *Available from*: Alberta Environment, Pollution Control Division, Edmonton, AB, Canada. Includes appendix.

**56002697**

**Bianchi, Cesidio (Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy); Chiappini, Massimo; Tabacco, Ignazio E.; Zirizzotti, Achille and Zuccheretti, Enrico.**

Quasi-parabolic reflecting bottom surfaces of the Drygalski Antarctic floating ice tongue: **Annali di Geofisica (1993)**, 44(3), p. 619-626, illus. incl. 1 table, 5 ref., June 2001.

**56002698**

**Sharp, Martin (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada); Creaser, Robert A. and Skidmore, Mark.**

Strontium isotope composition of runoff from a glaciated carbonate terrain: **Geochimica et Cosmochimica Acta**, 66(4), p. 595-614, illus. incl. 4 tables, 56 ref., February 2002.

**56002701**

**Beda, V. I. (TsNIIS, Russian Federation); Kulachkin, B. I.; Radkevich, A. I.; Aleksandrovskii, Iu. V. and Ostyukov, B. S.**

Oblast' ponizhennogo davleniia vnutri peschanoi nasypi, vozvodimoi gidronamyvom [Reduced pressure area inside sand embankment, erected by hydraulic engineering technique]:

**Transportnoe Stroitel'stvo = Transport Construction**, 1999(8), p. 6-7, 26 (English sum.), illus. incl. 1 table, 4 ref., August 1999.

**56002704**

**Aleksankrov, V. N. (Metrostroï, Saint Petersburg, Russian Federation).**

Opyt sooruzheniia metropolitena v Sankt-Peterburge [Experience of metro construction in Saint Petersburg]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(5), p. 27-29 (English sum.), illus., 2000.

**56002705**

**Pereselenkov, G. S. (TsNIIS, Russian Federation).**

Nauchnoe obosnovanie tekhnicheskikh reshenii inzhenernoi zashchity lineinykh transportnykh sooruzhenii [Scientific foundation to technical solutions for engineering protection of linear transport structures]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(1), p. 4-5 (English sum.), 1 table, 2000.

**56002706**

**Butytin, V. A. (Vostochno-Sibirskaiia Zheleznaiia Doroga, Russian Federation);**

**Vasyanovich, V. I.; Kudelin, V. M.; Zubarenkova, G. G.; Grechishchev, E. K.; Rybak, O. L. and Iaroslavtsev, N. A.**

Volnogasyashchie bermy iz skal'nogo grunta na Baikal'skom uchastke BAMa (Opyt ekspluatatsii) [Wave-extinguishing berm form rock soils in Baikal region of Baikal-Amur Railroad]: **Transportnoe Stroitel'stvo = Transport Construction**, 1999(7), p. 17-21 (English sum.), illus., 3 ref., 1999.

**56002707**

**Dubinskii, G. P.**

Meteorologicheskoe izuchenie gornykh rayonov SSSR neobkhodimo prodolzhit' [Meteorological study in mountainous regions of USSR should be continued]: **Geofizicheskii Byulleten'—Geophysical Bulletin**, 13, p. 65-66, 1 ref., 1963.

**56002708**

**Kazanskii, A. B.**

Rezul'taty obsledovaniia oblasti pitaniia lednika Medvezh'ego [Research results of feeding regions of Medvezhii Glacier]: **Geofizicheskii Byulleten'—Geophysical Bulletin**, 15, p. 52-60, illus., 1 ref., 1965.

**56002710**

**Vorobejev, V. G. (Polar Geophysical Institute, Apatity, Russian Federation); Yagodkina, O. I.; Sibeck, D.; Liou, K. and Meng, C. I.**

Aurora conjugacy during substorms; coordinated Antarctic ground and POLAR ultraviolet observations: **Journal of Geophysical Research, A, Space Physics**, 106(11), p. 24,579-24,591, illus. incl. 1 table, 35 ref., November 1, 2001.

**56002711**

**Lu, G. (U. S. National Center for Atmospheric Research, High Altitude Observatory, Boulder, CO); Richmond, A. D.; Roble, R. G. and Emery, B. A.**

Coexistence of ionospheric positive and negative storm phases under northern winter condition; a case study: **Journal of Geophysical Research, A, Space Physics**, 106(11), p. 24,493-24,504, illus. incl. 1 plate, 48 ref., November 1, 2001.



**56002715**

**Godoi, Maria Angelica.**

Investigating the complexity of Holocene climate using ice core records: 103 p., illus. incl. tables, Master's, 1998, University of Cambridge, Cambridge, United Kingdom.

**56002716**

**Joyner, Christopher C.**

Governing the frozen commons; the Antarctic regime and environmental protection: University of South Carolina Press, Columbia, SC, 363 p., 1998. ISBN: 1570032742.

**56002717**

**Miners, William Dingle.**

Electromagnetic reflections inside ice sheets: 350 p., illus. incl. tables, Doctoral, 1998, University of Cambridge, Cambridge, United Kingdom.

**56002718**

**Murray, M. D. and Goldsworthy, Lyn.**

Proposed construction of an airstrip in the Larsemann Hills: **Antarctic News and Views**, 5, p. 6-7, 1999.

**56002719**

**Anonymous.**

WAISSCORES; coring in the West Antarctic ice sheet: **Antarctic News and Views**, 5, p. 10-12, 1999.

**56002720**

**Standing Committee on Antarctic Logistics and Operations (SCALOP).**

Report of a special meeting of the East Antarctic Air Network (EAAN) Working Group: National Institute of Polar Research, Tokyo, Japan, 85 p., illus. incl. tables, 1998. *Meeting*: Mar. 2-3, 1998, Tokyo, Japan. Individual papers are cited separately.

**56002721**

**Blaisdell, George L.**

Aircraft considerations: *in* Report of a special meeting of the East Antarctic Air Network (EAAN) Working Group (Standing Committee on Antarctic Logistics and Operations (SCALOP)), National Institute of Polar Research, Tokyo, Japan, p. 1-23, illus. incl. tables, 1998. *Meeting*: Mar. 2-3, 1998, Tokyo, Japan.

**56002722**

**Klokov, Valery; Ruddell, Andrew and Brocklesby, Andy.**

Compacted snow runway site at the Larsemann Hills (Prydz Bay) and proposed construction techniques: *in* Report of a special meeting of the East Antarctic Air Network (EAAN) Working Group (Standing Committee on Antarctic Logistics and Operations (SCALOP)), National Institute of Polar Research, Tokyo, Japan, p. 58-67, illus. incl. tables, 1998. *Meeting*: Mar. 2-3, 1998, Tokyo, Japan.

**56002723**

**Klokov, Valery.**

Infrastructure requirement and estimated cost for Larsemann Hills compacted snow runway: *in* Report of a special meeting of the East Antarctic Air Network (EAAN) Working Group (Standing Committee on Antarctic Logistics and Operations (SCALOP)), National Institute of Polar Research, Tokyo, Japan, p. 68-70, tables, 1998. *Meeting*: Mar. 2-3, 1998, Tokyo, Japan.

**56002724**

**Klokov, Valery.**

Snow/ice runway reconnaissance at Dumont d'Urville area (February 2-10, 1998): *in* Report of a special meeting of the East Antarctic Air Network (EAAN) Working Group (Standing Committee on Antarctic Logistics and Operations (SCALOP)), National Institute of Polar Research, Tokyo, Japan, p. 71-79, illus. incl. tables, 1998. *Meeting*: Mar. 2-3, 1998, Tokyo, Japan.

**56002725**

**Texas A&M University, Geochemical and Environmental Research Group.**

Antarctic environmental monitoring handbook; standard techniques for monitoring in Antarctica: Council of Managers of National Antarctic Programs (COMNAP), Hobart, Tasmania, Australia, Scientific Committee on Antarctic Research (SCAR), Cambridge, 216 p., illus. incl. tables, 2000.

**56002726**

**Carleton, Andrew M.**

Satellite climatological aspects of cold air mesocyclones in the Arctic and Antarctic: **The Global Atmosphere and Ocean System (Print)**, 5(1), p. 1-42, illus. incl. tables, 1996. (Cold air mesocyclones in the Arctic and Antarctic, Part II).

**56002727**

**Carrasco, Jorge F. and Bromwich, David H.**

Mesoscale cyclone activity near Terra Nova Bay and Byrd Glacier, Antarctica during 1991: **The Global Atmosphere and Ocean System (Print)**, 5(1), p. 43-72, illus. incl. tables, 1996. (Cold air mesocyclones in the Arctic and Antarctic, Part II).

**56002728**

**Cassano, John J.; Parish, Thomas R. and King, John C.**

Evaluation of turbulent surface flux parameterizations for the stable surface layer over Halley, Antarctica: **Monthly Weather Review**, 129(1), p. 26-46, illus. incl. tables, 2001.

**56002729**

**Bamber, Jonathan.**

Antarctic 5-km digital elevation model from ERS-1 altimetry: National Snow and Ice Data Center, Boulder, CO, 11 p., 2001.

**56002730**

**Anonymous.**

Three research successes of the Antarctic CRC; steps towards understanding climate change: Antarctic CRC, Hobart, Tasmania, Australia, 6 p., illus., 2000. Excerpted from the Antarctic CRC 1999/2000 annual report.

**56002731**

**Dodds, Klaus-John.**

Putting maps in their place; the demise of the Falkland Islands Dependency Survey and the mapping of Antarctica, 1945-1962: **Ecumene (Sevenoaks)**, 7(2), p. 176-210, illus., 2000.

**56002738**

**Mitrovica, Jerry X. (University of Toronto, Department of Physics, Toronto, ON, Canada); Tamisiea, Mark E.; Davis, James L. and Milne, Glenn A.**

Recent mass balance of polar ice sheets inferred from patterns of global sea-level change: **Nature (London)**, 409(6823), p. 1026-1029, illus. incl. sketch maps, 29 ref., February 22, 2001.

**56002739**

**Yang, Fanglin (National Centers for Environmental Prediction, Environmental Modeling Center, Washington, DC); Kumar, Arun; Wang, Wanqiu; Juang, Hann-Ming Henry and Kanamitsu, Masao.**

Snow-albedo feedback and seasonal climate variability over North America: **Journal of Climate**, 14(22), p. 4245-4248, sketch maps, 10 ref., November 15, 2001. Includes appendices.

**56002740**

**Cassou, Christophe (CERFACS/SUC, Climate Modelling and Global Change Project, Toulouse, France) and Terray, Laurent.**

Oceanic forcing of the wintertime low-frequency atmospheric variability in the North Atlantic European Sector; a study with the ARPEGE model: **Journal of Climate**, 14(22), p. 4266-4291, illus. incl. 2 tables, sketch maps, 103 ref., November 15, 2001.

**56002741**

**Swift, Jim (University of California at San Diego, San Diego, CA); Clough, Lisa; Berkson, Jonathan; DuPree, George and Falkner, Kelly.**

New U.S. icebreaker to advance Arctic marine science: **Eos, Transactions, American Geophysical Union**, 83(10), p. 101, 109, illus., March 5, 2002.

**56002742**

**Hall, Kevin (University of Northern British Columbia, Geography Program, Prince George, BC, Canada) and André, Marie Françoise.**

New insights into rock weathering from high-frequency rock temperature data; an Antarctic study of weathering by thermal stress: *in* Weathering and geomorphology (Whalley, W. Brian, editor; *et al.*), **Geomorphology**, 41(1), p. 23-35, illus. incl. geol. sketch maps, 50 ref., November 2001. *Meeting: Weathering 2000*, June 27-July 1, 2000, Belfast, United Kingdom.

**56002743**

**Thorn, Colin E. (University of Illinois at Urbana-Champaign, Department of Geography, Urbana, IL); Darmody, Robert G.; Dixon, John C. and Schlyter, Peter.**

The chemical weathering regime of Karkevagge, arctic-alpine Sweden: *in* Weathering and geomorphology (Whalley, W. Brian, editor; *et al.*), **Geomorphology**, 41(1), p. 37-52, illus. incl. 2 tables, geol. sketch maps, 42 ref., November 2001. *Meeting: Weathering 2000*, June 27-July 1, 2000, Belfast, United Kingdom.

**56002744**

**Forsberg, R. (KMS, Geodynamics Department, Copenhagen, Denmark); Keller, K.; Nielsen, C. S.; Gundestrup, N.; Tscherning, C. C.; Madsen, S. N. and Dall, J.**

Elevation change measurements of the Greenland ice sheet: *in* Application of GPS and other space geodetic techniques to Earth sciences, **Earth, Planets and Space**, 52(11), p. 1049-1053, illus. incl. 2 tables, sketch maps, 6 ref., 2000.

**56002745**

**Anonymous.**

IAMAS 2001; 8th scientific assembly of International Association of Meteorology and Atmospheric Sciences; abstracts: Institut für Meteorologie und Geophysik, Innsbruck, Austria, 168 p., 2001. *Meeting*: July 10-18, 2001, Innsbruck, Austria. Individual abstracts are not cited separately.

**56002746**

**Consiglio, Luiz Eduardo.**

Deslocamento sobre neve e gelo [Transport over snow and ice]: **Informativo - Comissao Interministerial para os Recursos do Mar (CIRM)**, 13(1), p. 16, illus., 2001.

**56002747**

**Garcia, Carlos Alberto Eiras.**

Estudo da variabilidade da estrutura termohalina na regioao da confluencia Scotia-Weddell; fase II [Study of variability of thermohaline structure in the Scotia-Weddell confluence region; Phase II]: **Informativo - Comissao Interministerial para os Recursos do Mar (CIRM)**, 13(1), p. 13, illus., 2001.

**56002748**

**Shepard, Andrew (University College, Department of Space and Climate Physics, London, United Kingdom); Wingham, Duncan J.; Mansley, Justin A. D. and Corr, Hugh F. J.**

Inland thinning of Pine Island Glacier, West Antarctica: **Science**, 291(5505), p. 862-864, illus. incl. sketch map, 35 ref., February 2, 2001.

**56002749**

**Dartnall, H. J. G.**

A limnological reconnaissance of the Vestfold Hills: **ANARE Reports**, 141, 54 p., illus. incl. tables, 2000.

**56002750**

**Snyder, John and Stonehouse, Bernard.**

First Antarctic environmental management initiative workshop: **Polar Record**, 34(191), p. 343-344, 1998.

**56002751**

**Jezek, Kenneth C., editor.**

RADARSAT Antarctic mapping project; proceedings of the Post Antarctic imaging campaign-1 working group meeting: **Report - Ohio State University. Byrd Polar Research Center**, 17, 40 p., illus. incl. tables, 1998. *Meeting*: 1998, Columbus, OH.

**56002752**

**Jouventin, Pierre; Aubin, Thierry and Lengagne, Thierry.**

Finding a parent in a king penguin colony; the acoustic system of individual recognition: **Animal Behaviour**, 57, p. 1175-1183, illus. incl. tables, 1999.

**56002753**

**Lefeber, René**

A critical assessment of the proposals for an Antarctic environmental liability regime: **Antarctic Project Report**, Rep. No. 5/99, 16 p., 1999.

**56002754**

**Meyer Rochow, V. B.**

Risks, especially for the eye, emanating from the rise of solar UV-radiation in the Arctic and Antarctic regions: **International Journal of Circumpolar Health**, 59(1), p. 38-51, 2000.

**56002755**

**Palinkas, Lawrence A.; Houseal, Matt and Miller, Christopher.**

Sleep and mood during a winter in Antarctica: **International Journal of Circumpolar Health**, 59(1), p. 63-73, 2000.

**56002756**

**Shears, J. R. and Downie, R. H.**

Oil spill contingency plan; Signy Research Station: 2nd edition, British Antarctic Survey, Cambridge, United Kingdom, 48 p., 1998.

**56002757**

**Shears, J. R. and Downie, R. H.**

Oil spill contingency plan; Rothera Research Station: 2nd edition, British Antarctic Survey, Cambridge, United Kingdom, 56 p., 1998.

**56002758**

**Wadhams, Peter; Parmiggiani, F. E. and de Carolis, G.**

The use of SAR to map the thickness of frazil-pancake icefields from ocean wave dispersion: Scott Polar Research Institute Sea Ice Group, Cambridge, United Kingdom, 30 p., illus., 1998.

**56002759**

**Testard-Vaillant, Philippe.**

1985; Vostok; ou le passé de la planète [1985; Vostok; or the past of the planet]: **La Science et la Vie**, 202, p. 126-135, illus., 1998. (Les grandes expéditions scientifiques, du voyage de Darwin à l'exploration de Mars).

**56002760**

**Seligman, Ben J. (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom).**

Long-term variability of pipeline-permafrost interactions in North-west Siberia: **Permafrost and Periglacial Processes**, 11(1), p. 5-22 (French sum.), illus. incl. 3 tables, geol. sketch maps, 43 ref., March 2000.

**56002761**

**Jin, H. J. (Chinese Academy of Sciences, Observatory and Research Station of Qinghai-Tibet Plateau and State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Cheng, G. D. and Zhu, Y. L.**

Chinese geocryology at the turn of the twentieth century: **Permafrost and Periglacial Processes**, 11(1), p. 23-33 (French sum.), 125 ref., March 2000.

**56002762**

**French, Hugh M. (University of Ottawa, Departments of Geography and Earth Sciences, Ottawa, ON, Canada).**

Does Lozinski's periglacial realm exist today? A discussion relevant to modern usage of the term "periglacial": **Permafrost and Periglacial Processes**, 11(1), p. 35-42 (French sum.), illus., 51 ref., March 2000.

**56002763**

**Wang Shaoling (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Jin Huijun; Li Shuxun and Zhao Lin.**

Permafrost degradation on the Qinghai-Tibet Plateau and its environmental impacts: **Permafrost and Periglacial Processes**, 11(1), p. 43-53 (French sum.), 14 tables, 23 ref., March 2000.

**56002764**

**Zuidhoff, Frieda S. (Uppsala University, Department of Earth Sciences, Uppsala, Sweden) and Kolstrup, Else.**

Changes in palsa distribution in relation to climate change in Laivadalen, northern Sweden, especially 1960-1997: **Permafrost and Periglacial Processes**, 11(1), p. 55-69 (French sum.), illus. incl. 4 tables, sketch map, 49 ref., March 2000.

**56002765**

**Harada, Koichiro (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Wada, Kazushige and Fukuda, Masami.**

Permafrost mapping by transient electromagnetic method: **Permafrost and Periglacial Processes**, 11(1), p. 71-84 (French sum.), illus. incl. sketch map, 13 ref., March 2000.

**56002766**

**Lomborinchen, R. (Mongolian Academy of Sciences, Institute of Geocology, Ulaanbaatar, Mongolia).**

Frost heaving and related landforms, Mongolia: **Permafrost and Periglacial Processes**, 11(1), p. 85-90 (French sum.), illus. incl. 2 tables, 5 ref., March 2000.

**56002767**

**Anisimova, Nina P. (Permafrost Institute, Yakutsk, Russian Federation) and Kurchatova, Anna N.**

Relationship between anthropogenic salinity and temperature regime of permafrost, central Yakutia: **Permafrost and Periglacial Processes**, 11(1), p. 91-95 (French sum.), illus., 4 ref., March 2000.

**56002768**

**Sunder, S. Shyam (Massachusetts Institute of Technology, Cambridge, MA).**

Ice and frozen earth as construction materials: *in* Concise encyclopedia of building & construction materials (Moavenzadeh, Fred, editor), Pergamon Press, Oxford, United Kingdom, p. 337-342, 22 ref., 1990.

**56002769**

**Anonymous.**

A multiaxial differential flow law for polycrystalline ice: Pamphlet, 12 p., illus., 19??. Includes appendices.

**56002770**

**Sunder, S. Shyam (Massachusetts Institute of Technology, Cambridge, MA) and Wu, Mao S.**

Physically-based constitutive modeling of ice: unpaginated, October 9, 1991. *Available from:* Office of Naval Research, United States; Sea Ice Mechanics Research Coordination Board, United States.

**56002771**

**Garrison, G. R.; Williams, K. L.; Mourad, P. D.; Francois, R. E.; Wen, T. and Felton, W. J.**

Sound speed, reflectivity, absorption, and thermal diffusivity measurements in Arctic ice in 1990: Rep. No. AD-A274 326; APL-UW TR 9208, 40 p., illus. incl. 44 tables, 8 ref., November 1993. *Available from:* University of Washington, Applied Physics Laboratory, Seattle, WA, United States. Results reported here have been summarized in Williams, K. L. et al, J. Acoust. Soc. Am., Vol. 92, p. 2075, 1992.

**56002772**

**Anonymous.**

Proposed rules for building and classing steel vessels intended to navigate in ice: 46 p., illus. incl. tables, December 1983. *Available from:* American Bureau of Shipping, United States.

**56002773**

**Nanthikesan, S.**

Implementation of mit-creep model for ice on ABAQUS: 19 p., illus., October 15, 1991. *Available from:* U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH, United States.

**56002774**

**Karr, Dale G. (Massachusetts Institute of Technology, Department of Ocean Engineering, Cambridge, MA) and Choi, Kyungsik.**

Modelling anelastic strain of solids at high homologous temperatures: American Society of Mechanical Engineers, unpaginated, illus., 37 ref., 19??. Submitted for presentation at the ASME pressure vessels and piping conference.

**56002775**

**Gold, Lorne W. (1903 Illinois Avenue, K1H 6W5, Ottawa, ON, Canada).**

Analysis of NRC laboratory impact tests: 45 p., illus. incl. 3 tables, 4 ref., December 1990. *Available from:* Transport Canada, MOT Canadian Coast Guard, Ottawa, ON, Canada.

**56002788**

**Smith, Larry N. (Montana Tech of The University of Montana, Montana Bureau of Mines and Geology, Butte, MT).**

Columbia Mountain Landslide; late-glacial emplacement and indications of future failure, north-western Montana, USA: **Geomorphology**, 41(4), p. 309-322, illus. incl. sects., geol. sketch maps, 47 ref., December 2001.

**56002789**

**Kellogg, Karl S. (U. S. Geological Survey, Denver, CO).**

Tectonic controls on a large landslide complex; Williams Fork Mountains near Dillon, Colorado: **Geomorphology**, 41(4), p. 355-368, illus. incl. sects., geol. sketch maps, 33 ref., December 2001.

**56002790**

**Prent, Mariette T. H. (Simon Fraser University, Department of Geography, Burnaby, BC, Canada) and Hickin, Edward J.**

Annual regime of bedforms, roughness and flow resistance, Lillooet River, British Columbia, BC: **Geomorphology**, 41(4), p. 369-390, illus. incl. 5 tables, sketch maps, 40 ref., December 2001.

**56002791**

**Gao, Jay (University of Auckland, Department of Geography, Auckland, New Zealand) and Liu, Yansui.**

Applications of remote sensing, GIS and GPS in glaciology; a review: **Progress in Physical Geography**, 25(4), p. 520-540, illus. incl. 2 tables, 100 ref., December 2001.

**56002792**

**Fourie, A. B. (University of Witwatersrand, South Africa); Hofmann, B. A.; Mikula, R. J.; Lord, E. R. F. and Robertson, P. K.**

Partially saturated tailings sand below the phreatic surface: **Géotechnique**, 51(7), p. 577-585 (French sum.), 2 tables, 22 ref., 2001.

**56002793**

**van Andel, Tjeerd H. (University of Cambridge, Department of Earth Sciences, Cambridge, United Kingdom).**

The climate and landscape of the middle part of the Weichselian glaciation in Europe; the stage 3 project: **Quaternary Research (New York)**, 57(1), p. 2-8, illus., 37 ref., January 2002.

**56002794**

**Arnold, Neil S. (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom); van Andel, Tjeerd H. and Valen, Vidar.**

Extent and dynamics of the Scandinavian ice sheet during oxygen isotope stage 3 (65,000-25,000 yr B.P.): **Quaternary Research (New York)**, 57(1), p. 38-48, illus. incl. 1 table, 62 ref., January 2002.



56002795

**Andreev, Andrei A. (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany); Siegert, Christine; Klimanov, Vladimir A.; Derevyagin, Aleksandr Yu.; Shilova, Galina N. and Melles, Martin.**

Late Pleistocene and Holocene vegetation and climate on the Taymyr Lowland, northern Siberia: **Quaternary Research (New York)**, 57(1), p. 138-150, illus. incl. 3 tables, sketch maps, 34 ref., January 2002.

56002824

**Lythe, Matthew B. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); Vaughan, David G.; Lambrecht, A.; Miller, H.; Nixdorf, U.; Oerter, H.; Steinhage, D.; Allison, I. F.; Craven, M.; Goodwin, I. D.; Jacka, J.; Morgan, V.; Ruddell, A.; Young, N.; Wellman, P.; Cooper, A. P. R.; Corr, H. F. J.; Doake, C. S. M.; Hindmarsh, R. C. A.; Jenkins, A.; Johnson, M. R.; Jones, P.; King, E. C.; Smith, A. M.; Thomson, J. W.; Thorley, M. R.; Jezek, K.; Li, B.; Liu, H.; Hideo, M.; Damm, V.; Nishio, F.; Fujita, S.; Skvarca, P.; Remy, F.; Testut, L.; Sievers, J.; Kapitsa, A.; Macheret, Y.; Scambos, T.; Filina, I.; Masolov, V.; Popov, S.; Johnstone, G.; Jacobel, B.; Holmlund, P.; Naslund, J.; Anandakrishnan, S.; Bamber, J. L.; Bassford, R.; Declair, H.; Huybrechts, P.; Rivera, A.; Grace, N.; Casassa, G.; Tabacco, I.; Blankenship, D.; Morse, D.; Conway, H.; Gades, T.; Nereson, N.; Bentley, C. R.; Lord, N.; Lange, M. and Sanhäger, H.**

BEDMAP; a new ice thickness and subglacial topographic model of Antarctica: **Journal of Geophysical Research, B, Solid Earth and Planets**, 106(6), p. 11,335-11,351, illus. incl. 2 plates, 4 tables, geol. sketch maps, 60 ref., June 10, 2001.

56002825

**Hearty, Paul J. (James Cook University, School of Earth Sciences, Townsville, Queensl., Australia) and Neumann, A. Conrad.**

Rapid sea level and climate change at the close of the last interglaciation (MIS 5e); evidence from the Bahama Islands: **Quaternary Science Reviews**, 20(18), p. 1881-1895, illus. incl. 2 plates, 1 table, geol. sketch maps, 58 ref., December 2001. IGCP Project No. 437.

56002826

**Yang Weili (Chinese Academy of Sciences, Institute of Geographical Sciences and Resources Research, Beijing, China); Mao Xueying; Dai Xiongxin and Ouyang Hong.**

Geochemistry of rare-earth elements and its significance in the study of climatic and environmental change in Barrow, Arctic Alaska: **Jidi Yanjiu = Chinese Journal of Polar Research**, 13(2), p. 91-106, (Chinese) (English sum.), illus. incl. 3 tables, sketch map, 25 ref., 2001.

56002827

**Lin Jinghong (State Oceanic Administration, Third Institute of Oceanography, Xiamen, China); Dai Yanyu; Zhang Jinbiao; Lin Mao; Yang Qingliang and Lin Gengming.**

Ecology of zooplankton in the Chukchi Sea in summer: **Jidi Yanjiu = Chinese Journal of Polar Research**, 13(2), p. 107-116, (Chinese) (English sum.), illus. incl. 2 tables, sketch map, 15 ref., 2001.

56002828

**Sun Jiabing (Wuhan University, School of Remote Sensing and Informatics Engineering, Wuhan, China); Huo Dongmin and Sun Zhaohui.**

The study of remote sensing on monitoring ice velocities of the Polar Record Glacier and the Dark Glacier: **Jidi Yanjiu = Chinese Journal of Polar Research**, 13(2), p. 117-128, (Chinese) (English sum.), illus. incl. 9 tables, 9 ref., 2001.

**56002829**

**Li Ruiqiu (Beijing Teachers University, Beijing, China) and Zhao Junlin.**

Preliminary study on building Antarctic station environmental management information system: **Jidi Yanjiu = Chinese Journal of Polar Research**, 13(2), p. 137-150, (Chinese) (English sum.), illus., 31 ref., 2001.

**56002830**

**Grootes, Pieter M. (University of Washington, Department of Earth and Space Sciences, Seattle, WA); Steig, Eric J.; Stuiver, Minze; Waddington, Edwin D.; Morse, David L. and Nadeau, Marie-Josée.**

The Taylor Dome Antarctic <sup>18</sup>O record and globally synchronous changes in climate: **Quaternary Research (New York)**, 56(3), p. 289-298, illus. incl. sketch maps, 66 ref., November 2001.

**56002831**

**O'Cofaigh, Colm (University of Bristol, School of Geographical Sciences, Bristol, United Kingdom); Dowdeswell, Julian A. and Pudsey, Carol J.**

Late Quaternary iceberg rafting along the Antarctic Peninsula continental rise and in the Weddell and Scotia seas: **Quaternary Research (New York)**, 56(3), p. 308-321, illus. incl. sects., 2 tables, sketch maps, 48 ref., November 2001.

**56002832**

**Nagornov, O. V. (Moscow State Engineering and Physical Institute (Technical University), Moscow, Russian Federation) and Sergienko, O. V.**

Effect of ocean temperature variations on the position of the lower boundary of an ice shelf: **Izvestiya, Atmospheric and Oceanic Physics**, 37(5), p. 671-677, illus., 18 ref., October 2001.

**56002833**

**Hulbe, Christina L. (Portland State University, Department of Geology, Portland, OR).**

How ice sheets flow: **Science**, 294(5550), p. 2300-2301, illus., 12 ref., December 14, 2001.

**56002834**

**Montagnat, Maurine (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint-Martin-d'Herès, France); Duval, Paul; Bastie, Pierre; Hamelin, Bernard; Brissaud, Olivier; De Angelis, Martine; Petit, Jean-Robert and Lipenkov, Vladimir Ya.**

High crystalline quality of large single crystals of subglacial ice above Lake Vostok (Antarctica) revealed by hard X-ray diffraction: **Comptes Rendus de l'Académie des Sciences, Série II. Sciences de la Terre et des Planètes**, 333(8), p. 419-425 (French sum.), 17 ref., 2001.

**56002835**

**Lymarev, V. I.**

Kompleksnoe izuchenie ostrovov [Complex study of islands]: **Izvestiia Russkogo Geograficheskogo Obschestva**, 133(3), p. 40-44, 1 table, 11 ref., June 2001.

**56002836**

**Grachev, M. A. (Russian Academy of Sciences, Siberian Branch, Limnological Institute, Irkutsk, Russian Federation) and Prokopenko, A. A.**

Response of Lake Baikal ecosystem to climate forcing and pCO<sub>2</sub> change over the last glacial/interglacial transition; discussion and reply: **Earth and Planetary Science Letters**, 181(1-2), p. 265-266, 1 table, 3 ref., August 2000. For reference to original see Prokopenko, A. A. et al., *Earth Planet. Sci. Lett.*, Vol. 172, p. 239-253, 1999.

**56002837**

**Wagner, G. (EAWAG, Surface Waters, Dubendorf, Switzerland); Beer, J.; Laj, C.; Kissel, C.; Masarik, J.; Muscheler, R. and Synal, H. A.**

Chlorine-36 evidence for the Mono Lake event in the Summit GRIP ice core: **Earth and Planetary Science Letters**, 181(1-2), p. 1-6, illus., 20 ref., August 2000.

**56002876**

**Shoop, S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Berini, C. and Guyer, R.**

Development of a continuously monitoring resistivity probe for free-phase petroleum hydrocarbons: *in* Proceedings of the symposium on the Application of geophysics to engineering and environmental problems (Bell, Ronald S., compiler; *et al.*), **Proceedings of the Symposium on the Application of Geophysics to Environmental and Engineering Problems (SAGEEP)**, 1996, p. 11-20, illus. incl. sects., 14 ref., April 1996. *Meeting*: April 28-May 2, 1996, Keystone, CO. CRREL Report No: ERDC/CRREL MP-02-5814

**56002877**

**Godin, Sophie (CNRS, Service d'Aeronomie, Paris, France); Bergeret, Valérie; Bekki, Slimane; David, Christine and Mégie, Gérard.**

Study of the interannual ozone loss and the permeability of the Antarctic polar vortex from aerosol and ozone lidar measurements in Dumont d'Urville (66.4°S, 140°E): **Journal of Geophysical Research, D, Atmospheres**, 106(1), p. 1311-1330, illus. incl. 3 tables, 49 ref., January 16, 2001.

**56002878**

**Bochnicek, Josef (Academy of Sciences of the Czech Republic, Geophysical Institute, Prague, Czech Republic); Hejda, Pavel and Pycha, Josef.**

The effect of geomagnetic and solar activity on the distribution of controlling pressure formations in the Northern Hemisphere in winter: **Studia Geophysica et Geodetica**, 43(4), p. 390-398, illus. incl. 1 table, geol. sketch maps, 12 ref., 1999.

**56002879**

**Gjertsen, Arnt Kristian (Norwegian Institute of Land Inventory, Aas, Norway); Tomppo, Erkki and Tomter, Stein.**

National forest inventory in Norway; using sample plots, digital maps, and satellite images: *in* Remote sensing of the system Earth; a challenge for the 21st century; IGARSS'99 proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 1999, Vol. 2, p. 729-731, illus. incl. 2 tables, sketch map, 7 ref., 1999. *Meeting*: IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

**56002880**

**Ranson, K. J. (NASA, Goddard Space Flight Center, Greenbelt, MD); Sun, G.; Kharuk, V. I. and Kovacs, K.**

Characterization of forests in western Sayani Mountains, Siberia from SAR data: *in* Remote sensing of the system Earth; a challenge for the 21st century; IGARSS'99 proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 1999, Vol. 2, p. 747-749, illus. incl. 2 tables, 9 ref., 1999. *Meeting*: IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

**56002881**

**Zaitzev, A. N. (Russian Academy of Sciences, Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation, Moscow, Russian Federation) and Rozanov, O. V.**

The forest classification and monitoring in Yamal-Nenets region, western Siberia: *in* Remote sensing of the system Earth; a challenge for the 21st century; IGARSS'99 proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 1999, Vol. 2, p. 791-793, illus. incl. 1 table, 6 ref., 1999. *Meeting*: IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

**56002882**

**Macelloni, G. (Centro Nazionale di Ricerche, IROE, Florence, Italy); Ruisi, R.; Pampaloni, P. and Paloscia, S.**

Microwave radiometry for detecting road ice: *in* Remote sensing of the system Earth; a challenge for the 21st century; IGARSS'99 proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 1999, Vol. 2, p. 891-893, illus. incl. 1 table, 2 ref., 1999. *Meeting*: IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

**56002883**

**Burda, Natalia Yu. (State Hydrological Institute, Saint Petersburg, Russian Federation).**

Computer simulation for Ladoga lake ice dynamics based on remotely sensed data: *in* Remote sensing of the system Earth; a challenge for the 21st century; IGARSS'99 proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 1999, Vol. 2, p. 937-939, illus., 4 ref., 1999. *Meeting*: IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

**56002884**

**Belchansky, Gennady I. (Russian Academy of Sciences, Institute of Ecology and Evolution, Moscow, Russian Federation); Mordvintsev, Iliia N. and Douglas, David C.**

Comparative analysis of multisensor satellite monitoring of Arctic Sea-ice: *in* Remote sensing of the system Earth; a challenge for the 21st century; IGARSS'99 proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 1999, Vol. 2, p. 1025-1027, illus. incl. 1 table, 6 ref., 1999. *Meeting*: IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

56002885

**Bogdanov, Andrey V. (Nansen International Environmental and Remote Sensing Center, Saint Petersburg, Russian Federation); Sandven, Stein; Johannessen, Ola M. and Alexandrov, Vitaly Yu.**

Automatic classification of RADARSAT SAR images of the Northern Sea Route: *in* Remote sensing of the system Earth; a challenge for the 21st century; IGARSS'99 proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 1999, Vol. 2, p. 1028-1030, sketch maps, 10 ref., 1999. *Meeting*: IEEE 1999 international Geoscience and remote sensing symposium, June 28-July 2, 1999, Hamburg, Federal Republic of Germany.

56002886

**Jaurand, Emmanuel (Université de Paris-Val-de-Marne, Département de Géographie, Paris, France).**

Il glacialismo negli Appennini; testimonianze geomorfologiche e paleoclimatici [Glaciation of the Apennines; geomorphologic and paleoclimatic evidence]: **Bollettino della Societa Geografica Italiana**, 12(4(3)), p. 399-432 (English sum.), illus. incl. 4 tables, sketch maps, 99 ref., September 1999.

56002887

**Chelf, J. Holly (University of North Carolina, Chapel Hill, NC) and Martin, Scot T.**

Homogeneous ice nucleation in aqueous ammonium sulfate aerosol particles: **Journal of Geophysical Research, D, Atmospheres**, 106(1), p. 1215-1226, illus., 34 ref., January 16, 2001.

56002888

**Kawamura, K. (Tokyo Metropolitan University, Tokyo, Japan); Yokoyama, K.; Fujii, Y. and Watanabe, O.**

A Greenland ice core record of low molecular weight dicarboxylic acids, ketocarboxylic acids, and  $\alpha$ -dicarbonyls; a trend from Little Ice Age to the present: **Journal of Geophysical Research, D, Atmospheres**, 106(1), p. 1331-1345, illus. incl. 1 table, 61 ref., January 16, 2001.

56002889

**Combellick, R. A. (Alaska Division of Geological & Geophysical Surveys, Fairbanks, AK); Mayer, J. L.; Sink-Blair, K. D. and Weems, S. M.**

Geotechnical borehole and well-log database for Anchorage, Alaska: **Miscellaneous Publication - Division of Geological and Geophysical Surveys**, Alaska Department of Natural Resources, Alaska Division of Geological and Geophysical Surveys, Fairbanks, AK, Rep. No. 40, 8 p., illus. incl. 2 tables; geotechnical map, 1:25,000, 4 ref., February 2001.

56002890

**Goldsby, David L. (University of Minnesota-Twin Cities, Department of Geology and Geophysics, Minneapolis, MN) and Kohlstedt, D. L.**

Superplastic deformation of ice; experimental observations: **Journal of Geophysical Research, B, Solid Earth and Planets**, 106(6), p. 11,017-11,030, illus. incl. 6 tables, 84 ref., June 10, 2001.

56002891

**Durham, William B. (Lawrence Livermore National Laboratory, Livermore, CA); Stern, Laura A. and Kirby, Stephen H.**

Rheology of ice I at low stress and elevated confining pressure: **Journal of Geophysical Research, B, Solid Earth and Planets**, 106(6), p. 11,031-11,042, illus. incl. 1 table, 27 ref., June 10, 2001.

**56002892**

**Suthhof, Andreas (Zentrum für Marine Tropenökologie, Bremen, Federal Republic of Germany); Ittekkot, Venugopalan and Gaye-Haake, Birgit.**

Millennial-scale oscillation of denitrification intensity in the Arabian Sea during the late Quaternary and its potential influence on atmospheric N<sub>2</sub>O and global climate: **Global Biogeochemical Cycles**, 15(3), p. 637-649, illus. incl. sects., charts, sketch map, 120 ref., September 2001.

**56002893**

**Hedenstrom, Anna (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden) and Possnert, Goran.**

Reservoir ages in Baltic Sea sediment; a case study of an isolation sequence from the Litorina Sea stage: **Quaternary Science Reviews**, 20(18), p. 1779-1785, illus. incl. sect., charts, 1 table, geol. sketch maps, 26 ref., December 2001.

**56002894**

**Murton, J. B. (University of Sussex, Centre for Environmental Research, Brighton, United Kingdom); Baker, A.; Bowen, D. Q.; Caseldine, C. J.; Coope, G. R.; Currant, A. P.; Evans, J. G.; Field, M. H.; Green, C. P.; Hatton, J.; Ito, M.; Jones, R. L.; Keen, D. H.; Kerney, M. P.; McEwan, R.; McGregor, D. F. M.; Parish, D.; Robinson, J. E.; Schreve, D. C. and Smart, P. L.**

A late middle Pleistocene temperate-periglacial-temperate sequence (oxygen isotope stages 7-5e) near Marsworth, Buckinghamshire, UK: **Quaternary Science Reviews**, 20(18), p. 1787-1825, illus. incl. sects., chart, 5 plates, 11 tables, geol. sketch maps, 119 ref., December 2001.

**56002895**

**Lubinski, D. J. (University of Colorado at Boulder, Institute of Arctic and Alpine Research, Boulder, CO); Polyak, L. and Forman, S. L.**

Freshwater and Atlantic water inflows to the deep northern Barents and Kara seas since ca 13 <sup>14</sup>C ka; Foraminifera and stable isotopes: **Quaternary Science Reviews**, 20(18), p. 1851-1879, illus. incl. sects., 2 tables, geol. sketch maps, 150 ref., December 2001. *Holocene, upper Pleistocene*

**56002896**

**Wohlfarth, Barbara (Lund University, Department of Quaternary Geology, Lund, Sweden); Hannon, Gina; Feurdean, Angelica; Ghergari, Lucretia; Onac, Bogdan P. and Possnert, Goran.**

Reconstruction of climatic and environmental changes in NW Romania during the early part of the last deglaciation (~15,000-13,600 cal yr BP): **Quaternary Science Reviews**, 20(18), p. 1897-1914, illus. incl. strat. cols., charts, 2 tables, geol. sketch maps, 42 ref., December 2001.

**56002897**

**Ruddiman, William F. (University of Virginia, Department of Environmental Sciences, Charlottesville, VA) and Thomson, Jonathan S.**

Viewpoint; the case for human causes of increased atmospheric CH<sub>4</sub> over the last 5000 years: **Quaternary Science Reviews**, 20(18), p. 1769-1777, illus. incl. 2 tables, 40 ref., December 2001.

**56002898**

**Wang Zipan (State Ocean Administration, Second Institute of Oceanography, Hangzhou, China); Deprez, Patrick P. and Berkman, Paul A.**

Sea level change and environmental evolution of coastal lakes in Vestfold Hills, Antarctica: **Jidi Yanjiu = Chinese Journal of Polar Research**, 13(2), p. 69-82, (Chinese) (English sum.), illus. incl. 2 tables, sketch map, 37 ref., 2001. *Quaternary*

**56002899**

**Kolbert, Elizabeth.**

Ice memory: **The New Yorker**, Jan. 7, 2002, p. 30-32, 34-37, illus., January 7, 2002.

**56002900**

**Brooks, P. D. (University of Arizona, Hydrology and Water Resources, Tucson, AZ); McKnight, D. M. and Bencala, K. E.**

Annual maxima in Zn concentrations during spring snowmelt in streams impacted by mine drainage: **Environmental Geology (Berlin)**, 40(11-12), p. 1447-1454, illus. incl. 1 table, sketch map, 27 ref., October 2001.

**56002901**

**Winograd, Isaac J. (U. S. Geological Survey, Reston, VA).**

The magnitude and proximate cause of ice-sheet growth since 35,000 yr B.P.: **Quaternary Research (New York)**, 56(3), p. 299-307, illus., 84 ref., November 2001.

**56002902**

**Westgate, John A. (University of Toronto at Scarborough, Physical Sciences Division, Scarborough, ON, Canada); Preece, Shari J.; Froese, Duane G.; Walter, Robert C.; Sandhu, Amanjit S. and Schweger, Charles E.**

Dating early and middle (Reid) Pleistocene glaciations in central Yukon by tephrochronology: **Quaternary Research (New York)**, 56(3), p. 335-348, illus. incl. sketch maps, 5 tables, charts, 50 ref., November 2001.

**56002903**

**Swanson, Terry W. (University of Washington, Department of Geological Sciences, Seattle, WA) and Caffee, Marc L.**

Determination of <sup>36</sup>Cl production rates derived from the well-dated deglaciation surfaces of Whidbey and Fidalgo islands, Washington: **Quaternary Research (New York)**, 56(3), p. 366-382, illus. incl. 4 tables, sketch maps, 56 ref., November 2001.

**56002904**

**Shuman, Bryan (Brown University, Department of Geological Sciences, Providence, RI); Bravo, Jennifer; Kaye, Jonathan; Lynch, Jason A.; Newby, Paige and Webb, Thompson III.**

Late Quaternary water-level variations and vegetation history at Crooked Pond, southeastern Massachusetts: **Quaternary Research (New York)**, 56(3), p. 401-410, illus. incl. 3 tables, sketch map, 40 ref., November 2001.

**56002905**

**Jaedicke, Christian (University Courses on Svalbard, Longyearbyen, Norway).**

Snow drift losses from an Arctic catchment on Spitsbergen; an additional process in the water balance: **Cold Regions Science and Technology**, 34(1), p. 1-10, illus. incl. 1 table, 14 ref., February 2002.

**56002906**

**Ma Wei (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China) and Chang Xiaoxiao.**

Analyses of strength and deformation of an artificially frozen soil wall in underground engineering: **Cold Regions Science and Technology**, 34(1), p. 11-17, illus., 15 ref., February 2002.

**56002907**

**Wu Qingbai (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Zhu Yuanlin and Liu Yonzhi.**

Evaluation model of permafrost thermal stability and thawing sensibility under engineering activity: **Cold Regions Science and Technology**, 34(1), p. 19-30, illus. incl. 1 plate, 1 table, sketch map, 29 ref., February 2002.

**56002908**

**Rice, Robert, Jr. (University of Utah, Department of Civil Engineering, Salt Lake City, UT); Decker, Rand; Jensen, Newel; Patterson, Ralph; Singer, Stanford; Sullivan, Clayton and Wells, LeRoy.**

Avalanche hazard reduction for transportation corridors using real-time detection and alarms: **Cold Regions Science and Technology**, 34(1), p. 31-42, illus., 7 ref., February 2002.

**56002909**

**Lai Yuanming (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Liu Songyu; Wu Ziwang and Yu Wenbing.**

Approximate analytical solution for temperature fields in cold regions circular tunnels: **Cold Regions Science and Technology**, 34(1), p. 43-49, illus. incl. 3 tables, 7 ref., February 2002.

**56002910**

**Loiselle, Marc C. (Maine Geological Survey, Augusta, ME) and Hodgkins, Glenn.**

Snowpack in Maine; maximum observed and March 1 mean equivalent water content: **Water-Resources Investigations - U. S. Geological Survey**, Rep. No. WRI 01-4258, 19 p., illus. incl. 1 table, sketch maps, 2 ref., 2002. *Available from:* U. S. Geol. Surv., Denver, CO, United States. (Prepared in cooperation with the Maine Department of Conservation; Maine Geological Survey).

**56002911**

**Barnes, I. (University of Oxford, Institute of Biological Anthropology, Oxford, United Kingdom); Matheus, P.; Shapiro, B.; Jensen, D. and Cooper, A.**

Dynamics of Pleistocene population extinctions in Beringian brown bears: **Science**, 295(5563), p. 2267-2270, illus. incl. sketch maps, 27 ref., March 22, 2002.

**56002912**

**Pearce, Cheryl M. (University of Western Ontario, Department of Geography, London, ON, Canada).**

Vegetation patterns and environmental relationships in an arctic riparian wetland: *in* Ecology of wetlands and associated systems (Majumdar, S. K., editor; *et al.*), **The Pennsylvania Academy of Science Book Publications**, 25, p. 258-280, illus. incl. 4 tables, sketch map, 37 ref., 1998.

**56002913**

**Bierly, Gregory D. (Indiana State University, Department of Geography, Geology and Anthropology).**

An investigation of Indianapolis heavy snow-producing cyclones; 1966-1996: **Professional Paper - Indiana Studies**, 21, p. 69-73, 4 tables, sketch map, 9 ref., 199?.



**56002914**

**Sevon, W. D. and Fleeger, Gary M.**

Pennsylvania and the ice age: **Educational Series - Pennsylvania Geological Survey**, Rep. No. 6, 30 p., illus. incl. sects., sketch maps, 1999. *Available from:* Pennsylvania Geological Survey, Harrisburg, PA, United States.

**56002915**

**Claesson, Matts.**

Ingenjorsgeologisk karta over Goteborgs centrum framstalld med IDRISI [Engineering geology maps of Goteborg's center represented with IDRISI]: **Publ. - Chalmers Tekniska Hogskola, Geologiska Institutionen, B**, 433, 42 p. (English sum.), illus. incl. geol. sketch maps, 28 ref., 1996. Includes appendices; individual parts are not cited separately.

**56002916**

**Volodina, E. E. (Moscow State University, Moscow, Russian Federation).**

Numerical study of sensitivity of hydrologic land surface characteristics to variations in physical parameters of the soil-vegetation-snow system: **Izvestiya, Atmospheric and Oceanic Physics**, 37(5), p. 651-660, illus. incl. 1 table, 22 ref., October 2001.

**56002917**

**Fahnestock, Mark (University of Maryland, Earth System Science Interdisciplinary Center, College Park, MD); Abdalati, Waleed; Joughin, Ian; Brozena, John and Gogineni, Prasad.**

High geothermal heat flow, basal melt, and the origin of rapid ice flow in central Greenland: **Science**, 294(5550), p. 2338-2342, illus. incl. sketch maps, 32 ref., December 14, 2001.

**56002918**

**Broecker, Wally S. (Lamont-Doherty Earth Observatory, Palisades, NY) and Hemming, Sidney.**

Climate swings come into focus: **Science**, 294(5550), p. 2308-2309, illus. incl. sketch map, 17 ref., December 14, 2001. Lamont-Doherty Earth Obs., Contrib. No. 6276.

**56002919**

**Nakayama, Keisuke (National Institute for Land and Infrastructure Management, Marine Environment Division, Yokosuka, Japan) and Saitoh, Daisaku.**

Internal wind waves and snow clouds on a mountain slope: **Journal of Hydroscience and Hydraulic Engineering**, 19(2), p. 105-117, illus., 13 ref., 2001.

**56002920**

**Vinogradova, A. A. (Russian Academy of Sciences, Oboukhov Institute of Atmospheric Physics, Moscow, Russian Federation) and Ponomareva, T. Ya.**

Seasonal variations in the concentrations and precipitation of anthropogenic pollutants in the Russian Arctic atmosphere: **Izvestiya, Atmospheric and Oceanic Physics**, 37(6), p. 703-711, illus. incl. 4 tables, 21 ref., December 2001.

**56002921**

**Arnold, Neil (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom) and Sharp, Martin.**

Flow variability in the Scandinavian ice sheet; modelling the coupling between ice sheet flow and hydrology: **Quaternary Science Reviews**, 21(4-6), p. 485-502, illus. incl. sketch maps, 70 ref., February 2002. Includes appendix.

**56002922**

**Jansson, Krister N. (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden); Kleman, Johan and Marchant, David R.**

The succession of ice-flow patterns in north-central Québec-Labrador, Canada: **Quaternary Science Reviews**, 21(4-6), p. 503-523, illus. incl. 2 tables, sketch maps, 85 ref., February 2002.

**56002923**

**McGlone, M. S. (Landcare Research, Lincoln, New Zealand).**

The late Quaternary peat, vegetation and climate history of the southern oceanic islands of New Zealand: **Quaternary Science Reviews**, 21(4-6), p. 683-707, illus. incl. strat. cols., 4 tables, sketch maps, 74 ref., February 2002.

**56002924**

**Mann, D. H. (University of Alaska, Institute of Arctic Biology, Fairbanks, AK); Heiser, P. A. and Finney, B. P.**

Holocene history of the Great Kobuk sand dunes, northwestern Alaska: **Quaternary Science Reviews**, 21(4-6), p. 709-731, illus. incl. sect., strat. cols., 2 tables, geol. sketch maps, 96 ref., February 2002.

**56002925**

**Shelton, M. L. (University of California, Department of Land, Air, and Water Resources, Davis, CA).**

Watershed heterogeneity and the response to  $2 \times \text{CO}_2$  climate; a case study from the upper Deschutes Basin, Oregon: **Physical Geography**, 22(3), p. 204-221, illus. incl. 1 table, sketch map, 16 ref., June 2001.

**56002926**

**Lambeck, Kurt (Australian National University, Research School of Earth Sciences, Canberra, Australia).**

The integration of geodetic measurements into an earth science observing program; the example of glacial rebound: *in* Towards an integrated global geodetic observing system (IGGOS) (Rummel, Reinhard, editor; *et al.*), **International Association of Geodesy Symposia**, 120, p. 84-89, illus. incl. sects., sketch maps, 14 ref., 2000. *Meeting*: IAG Section II symposium, Oct. 5-9, 1998, Munich, Federal Republic of Germany.

**56002927**

**Scherneck, Hans Georg (Onsala Space Observatory, Onsala, Sweden); Johansson, J. M. and Haas, R.**

BIFROST Project; studies of variations of absolute sea level in conjunction with the postglacial rebound of Fennoscandia: *in* Towards an integrated global geodetic observing system (IGGOS) (Rummel, Reinhard, editor; *et al.*), **International Association of Geodesy Symposia**, 120, p. 241-244, illus. incl. sketch maps, 9 ref., 2000. *Meeting*: IAG Section II symposium, Oct. 5-9, 1998, Munich, Federal Republic of Germany.

**56002928**

**Mitchell, John G.**

Oil field or sanctuary?: **National Geographic**, 200(2), p. 46-55, illus., August 2001.

**56002929**

**Schmidt, Jeremy.**

Russia's frozen inferno: **National Geographic**, 200(2), p. 56-73, illus., August 2001.

**56002930**

**Chevychelov, A. P. (Russian Academy of Sciences, Institute of Biological Problems of the Cryolithozone, Yakutsk, Russian Federation) and Volotovskii, K. A.**

Soils of alpine and subalpine vertical zones of the Tokinskii Stanovik Ridge: **Eurasian Soil Science**, 34(7), p. 704-709, 3 tables, 19 ref., July 2001.

**56002931**

**Pereverzev, V. N. (Russian Academy of Sciences, Polar-Alpine Botanical Garden Institute, Murmansk Oblast, Russian Federation).**

Tundra soils on different soil-forming rocks in northern Fennoscandia: **Eurasian Soil Science**, 34(7), p. 710-716, 3 tables, 22 ref., July 2001.

**56002932**

**Efremov, Iu. V.**

Novye dannye ob ozerakh tsentral'nykh i vostochnykh Gimalaev [New data on lakes in central and eastern Himalayas]: **Izvestiia Russkogo Geograficheskogo Obshchestva**, 133(3), p. 52-57, illus. incl. 3 tables, 16 ref., June 2001.

**56002933**

**Glushankova, N. I.**

Ispol'zovanie spektrofotometricheskogo analiza tsvetnosti moren dlya paschleneniia i korelyatsii lednikovogo kompleksa Vostochno-Evropeiskoi ravniny [Spectrophotometric analysis of moraine color application to partition and correlation of a glacier complex in the Russian Plain]: **Izvestiia Russkogo Geograficheskogo Obshchestva**, 133(3), p. 76-87, illus. incl. 3 tables, 37 ref., June 2001.

**56002934**

**Brezhnev, V. A. (Tramsstroi, Russian Federation).**

BAM-poligon nauchnykh dostizhenii i kuznitsa kadrov transportnogo stroitel'stva [Baikal-Amur Railroad-polygon of scientific achievements and school of transport construction specialists]: **Transportnoe Stroitel'stvo = Transport Construction**, 1999(8), p. 11-12 (English sum.), illus., August 1999.

**56002935**

**Narusov, Iu. B. (Giprozheldorstroi, Russian Federation) and P'iankov, V. D.**

BAM, khronika osnovnykh sobytii [Baikal-Amur Railroad, chronicle of main events]:

**Transportnoe Stroitel'stvo = Transport Construction**, 1999(8), p. 13-15 (English sum.), illus., August 1999.

**56002936**

**Norman, G. E.**

Doroga k sredne-Lenskokmu Oazicy [Wai to Central-Lena Oasis]: **Transportnoe Stroitel'stvo = Transport Construction**, 1999(8), p. 21 (English sum.), portr., August 1999.

**56002937**

**Stadler, Daniel (ETH Zurich, Institute of Terrestrial Ecology, Schlieren, Switzerland);  
Stahli, Manfred; Aeby, Philipp and Fluhler, Hannes.**

Dye tracing and image analysis for quantifying water infiltration into frozen soils: **Soil Science Society of America Journal**, 64(2), p. 505-516, illus. incl. 3 tables, 18 ref., April 2000.

**56002938**

**Schmied, Barbara (Swiss Federal Institute of Technology, Department of Soil Protection,  
Schlieren, Switzerland); Abbaspour, Karim and Schulin, Rainer.**

Inverse estimation of parameters in a nitrogen model using field data: **Soil Science Society of America Journal**, 64(2), p. 533-542, illus. incl. 4 tables, 46 ref., April 2000. Includes appendices.

**56002939**

**Zhao, Zhiyuan.**

Surface velocities of the East Antarctic ice streams from RADARSAT-1 interferometric synthetic aperture radar data: 180 p., Doctoral, 2001, Ohio State University, Columbus, OH. ISBN: 0-493-08175-5 *Available from*: Univ. Microfilms.

**56002940**

**Grigg, Laurie Davis.**

Millennial-scale vegetation and climate variations in the Pacific Northwest during the last glacial period (60,000-16,000 cal yr B.P.): 250 p., Doctoral, 2000, University of Oregon, Eugene, OR. ISBN: 0-493-06265-3 *Available from*: Univ. Microfilms.

**56002941**

**Tsutsui, Tomoki (Akita University, Faculty of Engineering and Resource Science, Akita, Japan); Murakami, Hiroshi; Miyamachi, Hiroki; Toda, Shigeru and Kanao, Masaki.**

P-wave velocity structure of the ice sheet and the shallow crust beneath the Mizuho traverse route, East Antarctica, from seismic refraction analysis: **Polar Geoscience**, 14, p. 195-211, illus. incl. sects., sketch map, 15 ref., October 2001.

**56002942**

**Heslop, D. (Utrecht University, Paleomagnetic Laboratory "Fort Hoofddijk", Utrecht, Netherlands) and Dekkers, M. J.**

Spectral analysis of unevenly spaced climatic time series using CLEAN; signal recovery and derivation of significance levels using a Monte Carlo simulation: **Physics of the Earth and Planetary Interiors**, 130(1-2), p. 103-116, illus., 11 ref., March 15, 2002.

**56002943**

**Oberts, Gary L. (Saint Paul Metropolitan Council, Saint Paul, MN).**

Influence of snowmelt dynamics on stormwater runoff quality: *in* The practice of watershed protection (Schueler, Thomas R., editor; *et al.*), Center for Watershed Protection, Ellicott City, MD, p. 22-28, illus. incl. 3 tables, 34 ref., 2000. Feature article from Watershed Prot. Techn., Vol. 1, No. 2, p. 55-61.

**56002944**

**Schueler, Thomas R. (Center for Watershed Protection, Ellicott City, MD).**

Performance of gravel-based wetland in a cold, high altitude climate: *in* The practice of watershed protection (Schueler, Thomas R., editor; *et al.*), Center for Watershed Protection, Ellicott City, MD, p. 493-494, illus. incl. 1 table, 2 ref., 2000. Tech. note No. 64 from Watershed Prot. Techn., Vol. 2, No. 1, p. 297-299.

**56002945**

**Ingersoll, George P. (U. S. Geological Survey, Denver, CO); Turk, John T.; Mast, M. Alisa; Clow, David W.; Campbell, Donald H. and Bailey, Zeldia C.**

Rocky Mountain snowpack chemistry network; history, methods, and the importance of monitoring mountain ecosystems: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 01-0466, 14 p., illus. incl. 1 table, sketch maps, 30 ref., 2002. *Available from:* U. S. Geol. Surv., Denver, CO, United States. (Prepared in cooperation with the National Park Service; U.S. Department of Agriculture, Forest Service).

**56002946**

**Rau, A. J. (University of Cape Town, Department of Geological Sciences, Rondebosch, South Africa); Rogers, J.; Lutjeharms, J. R. E.; Giraudeau, Jacques; Lee-Thorp, J. A.; Chen, M. T. and Waelbroeck, C.**

A 450-kyr record of hydrological conditions on the western Agulhas Bank slope, south of Africa: *in* Neogene and Quaternary evolution of the Benguela coastal upwelling system (Christensen, Beth A., editor; *et al.*), **Marine Geology**, 180(1-4), p. 183-201, illus. incl. 2 tables, sketch map, 62 ref., February 15, 2002. *Meeting:* Evolution of major upwelling systems, Dec. 13-17, 1999, San Francisco, CA. Includes appendix.

**56002947**

**Puchalski, Michele (Minnesota Department of Agriculture, Saint Paul, MN); Horvath, Gareth; Loughran, Michael; Elsner, Gary and Koskinen, William.**

Pesticide-contaminated soil sample stability during frozen storage: **Journal of Environmental Quality**, 28(2), p. 726-729, 4 tables, 15 ref., April 1999.

**56002948**

**Ryan, M. C. (University of Calgary, Geology and Geophysics, Calgary, AB, Canada); Kachanoski, R. G. and Gillham, R. W.**

Overwinter soil nitrogen dynamics in seasonally frozen soils: **Canadian Journal of Soil Science**, 80(4), p. 541-550 (French sum.), illus. incl. 4 tables, 50 ref., November 2000.

**56002949**

**van Kesteren, A. R. (Natural Resources Canada, Atlantic Forestry Center, Corner Brook, NF, Canada).**

Soil erodibility relationships on drumlin deposits in the Cape Caribou River area, Labrador: **Canadian Journal of Soil Science**, 80(4), p. 577-580 (French sum.), 3 tables, 23 ref., November 2000.

**56002950**

**Loeng, Harald (Institute for Ocean Research, Norway).**

Klima og fisk; hva vet vi og hva tror vi [Climate and fish; what do we know and what do we think]: **Naturen**, 125(3), p. 132-140, illus. incl. geol. sketch maps, 7 ref., 2001.

**56002951**

**Sarbu, Ioan** ("Politehnica" University of Timisoara, Department of Building Equipments, Romania) and **Kalmar, Francisc**.

Numerical simulation and prevention of water freezing in outdoor penstocks: **Journal of Hydraulic Research = Journal de Recherches Hydrauliques**, 39(4), p. 437-443 (French sum.), illus., 10 ref., 2001.

**56002952**

**Salgado, Héctor A.** (Servicio de Hidrografia Naval, Buenos Aires, Argentina).

Antarctic nautical cartography updated with RADARSAT images: *in* Special collection on GlobeSAR-2 (Lukowski, Tom I.; *et al.*), **Canadian Journal of Remote Sensing**, 27(6), p. 691-697, illus. incl. 4 tables, sketch maps, 8 ref., December 2001.

**56002953**

**Brancucci, G.** (Universita di Genova, Dipartimento POLIS, Facoltà di Architettura, Genoa, Italy) and **Silvestro, M.**

Italian climatology in Antarctica; the temperatures in the period 1987-1994; preliminary analysis: **Atti Ticinensi di Scienze della Terra**, 41, p. 59-63 (Italian sum.), illus. incl. 11 tables, 7 ref., 2000.

**56002954**

**Ryskin, O. A. and Linenkov, V. Ia.**

Issledovanie melkomasshtabnoi izmenchivosti razmera kristallov l'da v ledyanom kerne so stantsii Vostok; Antarktida [Small-scale variation of grain size in ice cores from Vostok Station, Antarctica]: **Vestnik Sankt-Peterburskogo Universiteta. Seriya 7, Geologiya, Geografiia**, 1999(2(14)), p. 102-111 (English sum.), illus. incl. 4 tables, 20 ref., June 1999.

**56002955**

**Ekaikin, A. A.; Lipenkov, V. Ia. and Barkov, N. I.**

Prostranstvenno-vremennaia struktura polya snegonakopleniia v rayone stantsii Vostok, Tsentral'naia Antarktida [Temporal-spatial structure of snow accumulation field at vicinity of Vostok Station, central Antarctica]: **Vestnik Sankt-Peterburskogo Universiteta. Seriya 7, Geologiya, Geografiia**, 1998(4(28)), p. 38-50 (English sum.), illus. incl. 3 tables, 19 ref., December 1998.

**56002956**

**Gavrilov, A. V.** (Moskovskii Gosudarstvennyi Universitet, Geologicheskii Fakul'tet, Moscow, Russian Federation); **Tumskoi, V. E. and Romanovskii, N. N.**

Rekonstruktsiia dinamiki srednegodovoi temperatury porod na primorskikh nizmennostyakh Iakutii i arkticheskom shel'fe za poslednie 420 tys. let [Reconstruction of mean annual temperature dynamics in Yakutia coastal lowlands and adjoining Arctic shelf in the last 420 kyr]: **Kriosfera Zemli**, 4(4), p. 3-14 (English sum.), illus. incl. sketch maps, 43 ref., December 2000.

**56002957**

**Kholodov, A. L.** (Moskovskii Gosudarstvennyi Universitet, Geologicheskii Fakul'tet, Moscow, Russian Federation); **Gavrilov, A. V.; Romanovskii, N. N. and Khubberten, G. V.**

Rezul'taty modelirovaniia dinamiki merzloty na primorskikh nizmennostyakh i na arkticheskom shel'fe regiona morya Laptevykh za poslednie 400 tys. let [Results of permafrost dynamics modeling in coastal lowlands and Arctic shelf in Laptev Sea region for the last 400 kyr]: **Kriosfera Zemli**, 4(4), p. 32-40 (English sum.), illus. incl. sketch map, 21 ref., December 2000.