

56004779

Rivkina, E. M. (Rossiiskaia Akademii Nauk, Institut Pochvovedeniia i Fotosinteza, Russian Federation); Gilichinskii, D. A.; Makkei, K.; Dallimov, S. and Ostromov, V. E.
Metanogidraty v vechnoi merzloite; dokazatel'stva sushchestvovaniia pri nizkom geostaticheskom davlenii [Methane hydrates in permafrost; proof of existence under low lithostatic pressure]: *in* Itogi fundamental'nykh issledovanii kriosfery Zemli v Arktike i Subarktike; materialy mezhdunarodnoi konferentsii; sbornik nauchnykh trudov (Mel'nikov, E. S., editor), Nauka, Novosibirsk, Russian Federation, p. 270-276, 2 tables, 16 ref., 1997. *Meeting:* April 23-26, 1996, Pushchino, Russian Federation.

56005094

Anonymous.

Annual report 1999-2000: **Annual Report - British Antarctic Survey**, Rep. No. 1999-2000, 31 p., illus., 2000. ISBN: 1-85531-208-5.

56005126

Mietus, Miroslaw (Instytut Meteorologii i Gospodarki Wodnej, Oddzial Morski w Gdyni, Poland).

Empiryczne funkcje wlasne regionalnego pola barycznego w basenie północnego Atlantyku i Europy [Empirical orthogonal functions of the large scale sea level pressure field over North Atlantic and Europe]: **Problemy Klimatologii Polarnej**, 9, p. 9-22 (English sum.), illus. incl. 1 table, 35 ref., 1999.

56005127

Przybylak, Rajmund (Zaklad Klimatologii, Instytut Geografii UMK w Toruniu, Poland).

Zmiennosc parametrów termicznych w arktyce Norweskiej w okresie 1951-1990 [Variability of thermic parameters in the Norwegian Arctic over the period 1951-1990]: **Problemy Klimatologii Polarnej**, 9, p. 23-36 (English sum.), illus., 7 ref., 1999.

56005128

Marsz, Andrzej A. (Katedra Meteorologii i Oceanografii Nautycznej WN WSM w Gdyni, Poland).

Temperatura powierzchni wody na północnym Atlantyku a temperatura powietrza na Spitsbergenie i Jan Mayen [Surface water temperature in the North Atlantic and air temperature at Spitsbergen and Jan Mayen]: **Problemy Klimatologii Polarnej**, 9, p. 37-80 (English sum.), illus. incl. 3 tables, 25 ref., 1999.

56005129

Pereyma, Jerzy (Uniwersytetu Wrocławskiego, Instytut Geograficzny, Wrocław, Poland).

Współczesne tendencje w ksztaltowaniu bilansu masy lodowców polarnych i subpolarnych [Modern trends in shaping the mass balance of polar and subpolar glaciers]: **Problemy Klimatologii Polarnej**, 9, p. 81-88 (English sum.), illus., 5 ref., 1999.

56005130

Wójcik, Gabriel (Instytut Geografii UMK, Zaklad Klimatologii, Torun, Poland);

Marciniak, Kazimierz and Przybylak, Rajmund.

Ablacja lodowca waldemara (ziemia oskara II, NW Spitsbergen) w sezonach letnich 1977, 1978 I 1980 [Ablation of Waldemar Glacier (Oscar II Land, NW Spitsbergen) in summer seasons of 1977, 1978 and 1980]: **Problemy Klimatologii Polarnej**, 9, p. 89-102 (English sum.), illus. incl. 3 tables, sketch map, 13 ref., 1999.

56005131

Arazny, Andrzej (Polish Academy of Sciences, Torun, Poland).

Warunki meteorologiczne na Równinie kaffiöyra (NW Spitsbergen) w okresie 20.07-2.09. 1998
R. [Meteorological conditions on the Kaffioyra Plain (NW Spitsbergen) from 20th July to 2nd September 1998]: **Problemy Klimatologii Polarnej**, 9, p. 103-115 (English sum.), illus. incl. 4 tables, 14 ref., 1999.

56005132

Wisniewski, Bernard (Instytut Nawigacji Morskiej, WSM Szczecin, Szczecin, Poland) and Drozd, Andrzej.

Zmienność granicy występowania lodów w rejonie nowej fundlandii w drugiej połowie sezonu lodowego 1997/98 [Changeability of ice limit in the region of Newfoundland in the latter part of the ice season 1997/98]: **Problemy Klimatologii Polarnej**, 9, p. 117-130 (English sum.), illus. incl. 3 tables, sketch maps, 6 ref., 1999.

56005133

Kejna, Marek (UMK w Toruniu, Instytut Geografii, Poland).

Temperatura powietrza w wybranych ekotopach w rejonie stacji H. arctowskiego (Wyspa Króla Jerzego, Antarktyka) w sezonie letnim 1995/1996 [Air temperatures of selected ecotopes in the vicinity of the Arctowski Station, King George Island, Antarctica, in summer 1995-1996]:

Problemy Klimatologii Polarnej, 9, p. 131-142 (English sum.), illus. incl. 2 tables, sketch maps, 17 ref., 1999.

56005134

Kejna, Marek (Uniwersytet Mikołaja Kopernika w Toruniu, Instytut Geografii, Poland) and Laska, Kamil.

Charakterystyka hydrologiczna jeziora arctowskiego (Wyspa Króla Jerzego, Antarktyka) W 1996 R [Hydrological characteristics of the Arctowski Lake, King George Island, Antarctica, in 1996]: **Problemy Klimatologii Polarnej**, 9, p. 143-151 (English sum.), illus. incl. 1 table, sketch map, 11 ref., 1999.

56005135

Zwolska, Iwona (Polish Academy of Sciences, Antarctic Biology, Warsaw, Poland).

Warunki meteorologiczne w rejonie Arctowskiego w 1998 roku na tle wielolecia 1978-1989 (Wyspa Króla Jerzego, Południowe Szetlandy) [Meteorological conditions at the vicinity of the Arctowski Station in 1998 in comparison with 1978-1989, King George Island, South Shetland]:

Problemy Klimatologii Polarnej, 9, p. 153-164 (English sum.), illus. incl. 2 tables, 12 ref., 1999.

56005136

Ferdynus, Jacek (Wydział Nawigacyjny Wyższej Szkoły Morskiej w Gdyni, Katedra Meteorologii i Oceanografii Naukowej, Poland).

Trwale typy pogody na stacji H. Arctowskiego [Stable weather types at Arctowski Station]: **Problemy Klimatologii Polarnej**, 9, p. 165-172 (English sum.), illus., 10 ref., 1999.

56005137

Kruszewski, Grzegorz (Wyższej Szkoły Morskiej w Gdyni, Katedra Meteorologii i Oceanografii Naukowej Wydziału Nawigacyjnego, Poland).

Złożenie zatoki admiralicji w latach 1977-1996 [Ice conditions in Admiralty Bay from 1977 to 1996]: **Problemy Klimatologii Polarnej**, 9, p. 173-191 (English sum.), illus. incl. 1 table, sketch maps, 15 ref., 1999.

56005138

Styszynska, Anna (Wyzsza Szkoła Morska w Gdyni, Katedra Meteorologii i Oceanografii Naukowej Wydziału Nawigacyjnego, Poland).

Zwiazki temperatury powietrza w rejonie półwyspu Antarktycznego ze zmianami wielkości pokrywy lodowej mórz amundsena, Bellingshausena i Weddella (1973-1996) [Relationship between air temperature in the region of the Antarctic Peninsula and changes in the sea ice cover in the Amundsen, Bellingshausen and Weddell seas, 1973-1996]: **Problemy Klimatologii Polarnej**, 9, p. 193-233 (English sum.), illus. incl. 11 tables, sketch map, 19 ref., 1999.

56005144

Lappo, S. S.; Oradovskii, S. G. and Gruzinov, V. M., editors.

Issledovanie okeanov i morei [Research of oceans and seas]: 2nd edition, Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation, 312 p., illus., 1995. ISBN: 5-286-01209-4. 1st ed. 1983.

56005145

Kalatskii, V. I. (Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation); Zil'bershtein, O. I.; Matushevskii, G. V.; German, V. Kh.; Safronov, G. F.; Levikov, S. P.; Kabatchenko, I. M.; Tsvetsinskii, A. S.; Elisov, V. V.; Nadeev, V. V.; Filippov, Iu. G.; Sovrashaeva, G. D.; Tikhonova, O. V.; Makaeva, O. S. and Baranova, O. A.

Teoreticheskie i eksperimental'nye issledovaniia shel'fa morei Rossii [Theoretical and experimental research of Russian sea shelves]: *in* Issledovanie okeanov i morei (Lappo, S. S., editor; *et al.*), 2nd edition, Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation, p. 50-67, illus., 12 ref., 1995.

56005146

Polonskii, V. F. (Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation) and Skrinmунov, N. A.

Sovremennye problemy issledovaniia ust'ev rek [Modern problems of river estuary research]: *in* Issledovanie okeanov i morei (Lappo, S. S., editor; *et al.*), 2nd edition, Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation, p. 68-76, 3 ref., 1995.

56005147

Tsytsarin, A. G. (Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation).

Gidrokhimicheskie aspekty ledobrazovaniia; opyt eksperimental'nogo modelirovaniia [Hydrochemical aspects of ice formation; experience of experimental modeling]: *in* Issledovanie okeanov i morei (Lappo, S. S., editor; *et al.*), 2nd edition, Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation, p. 224-249, illus. incl. 3 tables, 48 ref., 1995.

56005148

Tsvetsinskii, A. S. (Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation).

Issledovanie prilivnykh dvizhenii v zalivakh Belogo, Karskogo i Okhotskogo morei [Research of tidal circulation in White, Kara and Okhotsk seas]: *in* Issledovanie okeanov i morei (Lappo, S. S., editor; *et al.*), 2nd edition, Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation, p. 250-269, illus. incl. 3 tables, 10 ref., 1995.

56005150

Elisov, V. V. (Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation).

Modelirovaniye termokhalinnoi strukturny deiatel'nogo sloia morei [Thermohaline structure modeling of active sea layer]: *in Issledovaniye okeanov i morei* (Lappo, S. S., editor; *et al.*), 2nd edition, Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation, p. 179-195, illus. incl. 5 tables, 31 ref., 1995.

56005151

Kabatchenko, I. M. (Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation).

Issledovaniye rezhima morskogo shtormovogo volneniya [Research of ocean storm wave regimes]: *in Issledovaniye okeanov i morei* (Lappo, S. S., editor; *et al.*), 2nd edition, Gosudarstvennyy Okeanograficheskii Institut, Saint Petersburg, Russian Federation, p. 196-204, 1 table, 10 ref., 1995.

56005152

Tsykin, E. N.

Marshrutnoe termozondirovaniye i vydelenie glyatsiologicheskikh zon na El'bruse [Thermal sounding of glacial zones in Elbrus]: **Geofizicheskii Byulleten'**—**Geophysical Bulletin**, 12, p. 69-73, illus. incl. 1 table, 3 ref., 1962.

56005279

Acero, José María (Dirección Nacional del Antártico, Instituto Antártico Argentino, Argentina); Agraz, José Luis; Sánchez, Rodolfo A. and Genest, Eugenio A.

Guía para la protección del medio ambiente antártico [Guide to environmental protection in Antarctica]: **Contribuciones del Instituto Antártico Argentino**, 526, 93 p., illus., 2001.

56005380

Oerlemans, Johannes.

Glaciers and climate change: A.A. Balkema Publishers, Lisse, Netherlands, 148 p., illus., 36 ref., 2001. ISBN: 90-2651813-7.

56005436

Bezzola, Gian Reto (Eidgenössischen Technischen Hochschule, Zurich, Switzerland).

Fliesswiderstand und sohlenstabilität natürlicher Gerinne unter besonderer Berücksichtigung des einflusses der relativen Überdeckung [Flow resistance and bottom stability of natural channels with special reference to the influence of relative overlying cover]: **Mitteilungen der Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie der Eidgenössischen Technischen Hochschule Zürich**, 173, 258 p. (English sum.), illus. incl. 13 tables, block diag., 183 ref., 2002.

56005469

Stonehouse, Bernard, editor (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom).

Encyclopedia of Antarctica and the southern oceans: John Wiley & Sons, Chichester, United Kingdom, 391 p., illus. incl. tables, sketch maps; geomorphologic map, 1:6,666,667, 231 ref., 2002. ISBN: 0-471-98665-8. Includes 5 appendices.

56005470

Albert, Mary R. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Shultz, Edward F.

Snow and firn properties and air-snow transport processes at Summit, Greenland: **Atmospheric Environment** (1994), 36, p. 2789-2797, illus., 35 ref., 2002. CRREL Report No: ERDC/CRREL MP-02-5906

56005471

Albert, Mary R. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Grannas, Amanda M.; Bottenheim, Jan; Shepson, Paul B. and Perron, Frank E.

Processes and properties of snow-air transfer in the High Arctic with application to interstitial ozone at Alert, Canada: **Atmospheric Environment** (1994), 36, p. 2779-2787, illus., 33 ref., 2002. CRREL Report No: ERDC/CRREL MP-02-5907

56005472

Swanson, Aaron L. (University of California at Irvine, Department of Chemistry, Irvine, CA); Blake, Nicola J.; Dibb, Jack E.; Albert, Mary R.; Blake, Donald R. and Rowland, F. Sherwood.

Photochemically induced production of CH₃Br, CH₃I, C₂H₅I, ethene, and propene within surface snow at Summit, Greenland: **Atmospheric Environment** (1994), 36, p. 2671-2682, illus. incl. 2 tables, 32 ref., 2002. CRREL Report No: ERDC/CRREL MP-02-5908

56005473

Grannas, Amanda M. (Purdue University, Departments of Chemistry and Earth and Atmospheric Sciences, West Lafayette, IN); Shepson, Paul B.; Guimbaud, Christophe; Sumner, Ann Louise; Albert, Mary R.; Simpson, William; Dominé, Florent; Boudries, Hacene; Bottenheim, Jan; Beine, Harald J.; Honrath, Richard and Zhou, Xianliang.

A study of photochemical and physical processes affecting carbonyl compounds in the Arctic atmospheric boundary layer: **Atmospheric Environment** (1994), 36, p. 2733-2742, illus. incl. 1 table, 37 ref., 2002. CRREL Report No: ERDC/CRREL MP-02-5909

56005531

Kluiving, Sjoerd Jan.

Multiscale (seismic, lithofacies, and microstructural) analyses of subglacial and glaciomarine deposits on the Ross Sea continental margin and offshore Marie Byrd Land, Antarctica; evidence for substrate control on ice flow behavior: 256 p., illus. incl. sects., 9 tables, sketch maps, 82 ref., Doctoral, 2001, University of Alabama, Tuscaloosa, AL. microfiche Available from: University Microfilms, Ann Arbor, MI, United States. Includes appendices.

56005533

Grace, Edmund Michael, Jr.

Coupled numerical modeling of a West Antarctic ice-sheet/ice-stream/ice-shelf drainage: 154 p., illus. incl. 5 tables, sketch maps, 127 ref., Doctoral, 2001, University of Delaware, Newark, DE. microfiche Available from: University Microfilms, Ann Arbor, MI, United States. Includes appendices.

57000005

Williams, Peter J., editor (Carleton University, Geotechnical Science Laboratories, Ottawa, ON, Canada).

The Second international conference on Contaminants in freezing ground: **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, 71 p., illus. incl. tables, sketch maps, July 2000. ISBN: 0-9689860-0-5. *Meeting:* July 2-5, 2000, Cambridge, United Kingdom. Individual papers or abstracts are cited separately.

57000006

McCullough, R. W. (Jacques Whitford Environment, Dartmouth, NS, Canada) and Burkill, R. L.

The establishment of a simple, low cost, bio-remediation pilot project in Cambridge Bay, Nunavut: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 1-6, illus., 10 ref., July 2000. *Meeting:* July 2-5, 2000, Cambridge, United Kingdom.

57000007

White, T. L. (Carleton University, Geotechnical Science Laboratories, Ottawa, ON, Canada); Williams, P. J.; Marchand, Y. and Rees, W. G.

Microstructural alteration in permafrost-affected soils due to hydrocarbon contamination; implications for subsurface transport: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 7-21, illus. incl. 1 table, sketch map, 13 ref., July 2000. *Meeting:* July 2-5, 2000, Cambridge, United Kingdom.

57000008

Zeinali, Mazyar (University of Maryland, Department of Civil and Environmental Engineering, College Park, MD); Goodings, Deborah J. and Torrents, Alba.

Fate and transport of pollutants in freezing soil and the application of geoenvironmental centrifuge physical modelling: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 23-31, illus., 26 ref., July 2000. *Meeting:* July 2-5, 2000, Cambridge, United Kingdom.

57000010

Beyer, Lothar (University of Kiel, Institute of Polar Energy, Kiel, Federal Republic of Germany); Huyke, Wiebke; Hüttmann, Stephan; Archegova, Inna and Titarenko, Tatiana V.

Microbial activity measurements for a soil quality assessment of highly crude oil contaminated soils in the Russian tundra at the Arctic Circle: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 41-47, illus. incl. 3 tables, 21 ref., July 2-5, 2000, Cambridge, United Kingdom.

57000011

Brouchkov, Anatoli (Russian Academy of Sciences, Geocryology Laboratory, Moscow, Russian Federation) and Williams, Peter J.

Could microorganisms in permafrost hold the secret of immortality? What does this mean?: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 49-56, illus., 48 ref., July 2000. *Meeting:* July 2-5, 2000, Cambridge, United Kingdom.

57000012

Mattiasson, Bo (Lund University, Department of Biotechnology, Lund, Sweden) and Ask, Ingegerd.

COLDREM; soil remediation in a cold climate; a national Swedish research program [abstr.]: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 58, July 2000. *Meeting*: July 2-5, 2000, Cambridge, United Kingdom.

57000013

Châtellier, Xavier (CEREGE, Aix-en-Provence, France); Bottero, Jean-Yves and Lepetit, Jean.

Flocculation of a bacterial suspension by a cationic polyelectrolyte [abstr.]: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 59-60, 2 ref., July 2000. *Meeting*: July 2-5, 2000, Cambridge, United Kingdom.

57000014

Chenaf, Djaouida (Royal Military College of Canada, Civil Engineering Department, Kingston, ON, Canada) and Hadj-Rabia, Karim.

Laboratory study of unfrozen water content of diesel contaminated frozen sandy soil using time domain reflectometry (tdr) cable tester [abstr.]: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 61, 1 ref., July 2000. *Meeting*: July 2-5, 2000, Cambridge, United Kingdom.

57000015

Lilly, Michael R. (GW Scientific, Fairbanks, AK); McCauley, Craig A.; White, Daniel M. and Nyman, David M.

Measurements of petroleum-infiltration rates in frozen soils from Bethel, Alaska, for secondary containment design [abstr.]: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 62, July 2000. *Meeting*: July 2-5, 2000, Cambridge, United Kingdom.

57000016

Lilly, Michael R. (GW Scientific, Fairbanks, AK) and Nyman, David M.

Permafrost and frozen-soil investigation and reporting methods for waste-containment facilities [abstr.]: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 63, July 2000. *Meeting*: July 2-5, 2000, Cambridge, United Kingdom.

57000017

Parsons, Eric G. (Jacques Whitford Environment, Dartmouth, NS, Canada); Locke, Stephen D. and St. Pierre, Raymond.

Natural attenuation of hydrocarbon impacts in a cold weather climate, Sable Island, Nova Scotia, Canada [abstr.]: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 64, July 2000. *Meeting*: July 2-5, 2000, Cambridge, United Kingdom.

57000018

Anisimov, O. A. (State Hydrological Institute, St. Petersburg, Russian Federation).

Potential changes of environmental contamination in permafrost regions caused by the anthropogenic global warming [abstr.]: *in* The Second international conference on Contaminants in freezing ground (Williams, Peter J., editor), **Contaminants in Freezing Ground. Collected Proceedings of ... International Conference**, 2, Part 1, p. 57, July 2000. *Meeting:* July 2-5, 2000, Cambridge, United Kingdom.

57000020

West, Peter T., editor (National Science Foundation, Office of Legislative and Public Affairs, Arlington, VA).

Polar press clips 2001: 366 p., illus., 2001. *Available from:* National Science Foundation, Arlington, VA, United States.

57000388

Pasteur, E. and Rootes, D., compilers.

Polar updates; Antarctica 2002/2003: Poles Apart, Cambridge, United Kingdom, 50 p., 2002. ISBN: 0-9543143-0-1. Includes 4 appendices.

57000398

Moriwaki, Kiichi and Yoshida, Yoshio, compilers.

Bathymetric chart of Lutzow-Holmbukta (Lutzow-Holm Bay): **Special Map Series of National Institute of Polar Research**, National Institute of Polar Research, Tokyo, Japan, Rep. No. 4B, 1 sheet, bathymetric map, 1:250,000, 24 ref., March 2002.

57000560

Tjernstrom, Michael (Stockholm University, Department of Meteorology, Stockholm, Sweden) and Erixon, Eric.

The meteorological department of Stockholm University sailed north for the Arctic Ocean 2001 expedition: **Vaisala News**, 159, p. 6-10, illus., 2002.

57000561

Alpert, Selwyn (Vaisala, Surface Meteorology, Woburn, MA).

Support for medical and security aviation operations; US Air Force TMOS (TACMET) at 2002 Winter Olympics in Salt Lake City: **Vaisala News**, 159, p. 18-20, illus., 2 ref., 2002.

57000562

Haavasoja, Taisto (Vaisala Helsinki, Helsinki, Finland); Haavisto, Ville; Turunen, Markus J.; Nylander, Pauli and Pilli-Sihvola, Yrjo.

A field trial of vehicle grip compared to RWS data: **Vaisala News**, 159, p. 28-30, illus., 2 ref., 2002.

57000564

Berardino, Paolo (CNR, IRECE, Naples, Italy); Marrazzo, Massimo; Migliaccio, Maurizio and Lanari, Riccardo.

ERS-1/2 SAR and IFSAR for Antarctica: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2554-2556, illus., 7 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57000565

Dash, Mihir K. (ISRO/Space Application Centre, Ahmedabad, India); Bhandari, S. M.; Vyas, N. K.; Khare, N.; Mitra, A.; Pandey, P. C.; Kulandaivelu, E. and Negi, P. S.
Ocean SAT-1 MSMR and the emissivity of ice in Antarctica: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2658-2661, sketch map, 7 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57000566

Klein, M. (University of Colorado, NOAA Environmental Technology Laboratory, Boulder, CO); Gasiewski, A. J.; Schuler, K.; Cavalieri, D.; Markus, T. and Yevgrafov, A.
Sea ice brightness imagery observed during the Meltpond 2002 experiment: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2853-2855, illus. incl. 3 tables, 6 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57000567

Koblinsky, Chet (NASA, Goddard Space Flight Center, Oceans and Ice Branch, Greenbelt, MD); Rienecker, Michele; Adamec, David; Abdalati, Waleed and Lindstrom, Eric.
Ocean, ice and climate; the slow dance of a complex system: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2859-2862, 11 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57000568

Koskinen, Jarkko T. (Finnish Environment Institute, Helsinki, Finland).
Snow monitoring using interferometric TOPSAR data: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2866-2868, illus. incl. 1 table, 3 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57000569

Li Zhen (Chinese Academy of Sciences, Laboratory of Remote Sensing Information Sciences, Beijing, China); Guo Huadong; Li Xinwu and Wang Changlin.
SAR interferometry coherence analysis for snow mapping: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2905-2907, illus. incl. 2 tables, 8 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57000570

Lytle, V. I. (Antarctic CRC, Hobart, Tasmania, Australia); Massom, R. A. and Worby, A. P.
Methods of estimating ridging of Antarctic sea ice: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2937-2938, illus., 7 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57000747

Krymskii, A. V.

Chislennoe modelirovaniye sfericheskikh odnomernykh voln v tverdoi deformiruemoi srede [Numerical modeling of spherical one dimensional waves in solid deforming media]: *in* Glyatsiologiya i mekhanika gruntov (Grigoryan, S. S., editor), Izdatel'stvo Moskovskogo Universiteta, Moscow, USSR, p. 50-65, illus., 15 ref., 1982.

57000748

Dao Min' Ngok.

O zadache fil'tratsii v tsilidricheskoi trube, zopolnennoi nepodvizhnym zernistym sloem [Filtration in cylindrical tube filled with stable grain layer]: *in* Glyatsiologiya i mekhanika gruntov (Grigoryan, S. S., editor), Izdatel'stvo Moskovskogo Universiteta, Moscow, USSR, p. 66-76, illus., 9 ref., 1982.

57000749

Musaelyan, R. M.

O reshenii nekotorykh zadach teorii uprugosti, svyazannykh s raschetom gruntovykh osnovaniy [Solutions to some problems on elasticity theory connected with soil foundation stability]: *in* Glyatsiologiya i mekhanika gruntov (Grigoryan, S. S., editor), Izdatel'stvo Moskovskogo Universiteta, Moscow, USSR, p. 97-106, 3 ref., 1982.

57001173

van der Wateren, Frederik M. (Vrije Universiteit, Netherlands Research School of Sedimentary Geology (NSG), Amsterdam, Netherlands) and Cloetingh, Sierd A. P. L.

Feedbacks of lithosphere dynamics and environmental change of the Cenozoic West Antarctic Rift system: *in* Lithosphere dynamics and environmental change of the Cenozoic West Antarctic Rift system (van der Wateren, Frederik M., editor; *et al.*), **Global and Planetary Change**, 23(1-4), p. 1-24, illus. incl. sketch maps, 103 ref., December 1999. Includes appendix: NSG Publ. No. 990607.

57001174

Morgan, Vin (Antarctic Cooperative Research Centre, Hobart, Tasmania, Australia); Delmotte, Marc; van Ommen, Tas; Jouzel, Jean; Chappellaz, Jérôme; Woon, Suenor; Masson-Delmotte, Valérie and Raynaud, Dominique.

Relative timing of deglacial climate events in Antarctica and Greenland: **Science**, 297(5588), p. 1862-1864, illus., 28 ref., September 13, 2002.

57001175

Stocker, Thomas F. (University of Bern, Climate and Environmental Physics Division, Bern, Switzerland).

North-south connections: **Science**, 297(5588), p. 1814-1815, illus., 11 ref., September 13, 2002.

57001176

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

Rapid climatic changes during the Greenland stadial 1 (Younger Dryas) to early Holocene transition on the Norwegian Barents Sea coast: **Boreas**, 31(3), p. 215-225, illus. incl. strat. cols., sketch map, 76 ref., September 2002.

57001177

Andren, Thomas (Stockholm University, Department of Geology and Geochemistry, Stockholm, Sweden); Lindeberg, Greger and Andren, Elinor.

Evidence of the final drainage of the Baltic ice lake and the brackish phase of the Yoldia Sea in glacial varves from the Baltic Sea: **Boreas**, 31(3), p. 226-238, illus. incl. 1 table, sketch map, 55 ref., September 2002. *Pleistocene*

57001178

Stokes, Chris R. (University of Reading, Landscape and Landform Research Group, Reading, United Kingdom) and Clark, Chris D.

Are long subglacial bedforms indicative of fast ice flow?: **Boreas**, 31(3), p. 239-249, illus. incl. geol. sketch maps, 54 ref., September 2002.

57001179

Griffiths, Susan J. (University of Wales, Department of Geography, Swansea, United Kingdom); Griffiths, Huw I.; Altinsacli, Selcuk and Tzedakis, Chronis.

Interpreting the Tyrrhenocythere (Ostracoda) signal from palaeolake Kopais, central Greece: **Boreas**, 31(3), p. 250-259, illus. incl. strat. col., 1 plate, geol. sketch maps, 71 ref., September 2002. *Ostracoda, Quaternary, palynomorphs*

57001180

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

Late Quaternary history of Washington Land, North Greenland: **Boreas**, 31(3), p. 260-272, illus. incl. 5 tables, sketch maps, 86 ref., September 2002.

57001181

Gronlund, Tuulikki (Geological Survey of Finland, Espoo, Finland) and Kauppila, Tommi.

Holocene history of Lake Soldatskoje (Kola Peninsula, Russia) inferred from sedimentary diatom assemblages: **Boreas**, 31(3), p. 273-284, illus. incl. strat. col., 2 plates, geol. sketch map, 51 ref., September 2002.

57001182

Jensen, Christin (University of Tromso, Institute of Biology, Tromso, Norway); Kuiper, J. G. J. and Vorren, Karl-Dag.

First post-glacial establishment of forest trees; early Holocene vegetation, mollusc settlement and climate dynamics in central Troms, North Norway: **Boreas**, 31(3), p. 285-301, illus. incl. strat. cols., 2 tables, sketch maps, 76 ref., September 2002.

57001183

Hurtgen, Matthew T. (Pennsylvania State University, Astrobiology Research Center, University Park, PA); Arthur, Michael A.; Suits, Neil S. and Kaufman, Alan J.

The sulfur isotopic composition of Neoproterozoic seawater sulfate; implications for a snowball Earth?: **Earth and Planetary Science Letters**, 203(1), p. 413-429, illus. incl. 2 tables, 49 ref., October 15, 2002.

57001184

Wang, R. L. (Brookhaven National Laboratory, Analytical Chemistry Laboratory, Upton, NY); Scarpitta, S. C.; Zhang, S. C. and Zheng, M. P.

Later Pleistocene/Holocene climate conditions of Qinghai-Xizhang Plateau (Tibet) based on carbon and oxygen stable isotopes of Zabuye Lake sediments: **Earth and Planetary Science Letters**, 203(1), p. 461-477, illus. incl. 1 table, sketch map, 41 ref., October 15, 2002.

57001185

Spötl, Christoph (Universität Innsbruck, Institut für Geologie und Paläontologie, Innsbruck, Austria) and Mangini, Augusto.

Stalagmite from the Austrian Alps reveals Dansgaard-Oeschger events during isotope stage 3; implications for the absolute chronology of Greenland ice cores: **Earth and Planetary Science Letters**, 203(1), p. 507-518, illus. incl. 1 table, sketch map, 29 ref., October 15, 2002.

57001186

Talandier, Jacques (Commissariat à l'Energie Atomique, Département Analyse et Surveillance de l'Environnement, Bruyeres-le-Chatel, France); Hyvernaud, Olivier; Okal, Emile A. and Piserchia, Pierre-Franck.

Long-range detection of hydroacoustic signals from large icebergs in the Ross Sea, Antarctica: **Earth and Planetary Science Letters**, 203(1), p. 519-534, illus. incl. sects., 1 table, sketch maps, 38 ref., October 15, 2002.

57001187

Vimeux, Françoise (Institut de Recherche pour le Développement, France); Cuffey, Kurt M. and Jouzel, Jean.

New insights into Southern Hemisphere temperature changes from Vostok ice cores using deuterium excess correction: **Earth and Planetary Science Letters**, 203(3-4), p. 829-843, illus. incl. 1 table, 37 ref., November 15, 2002.

57001188

Sun Jimin (Chinese Academy of Sciences, Institute of Geology and Geophysics, Beijing, China).

Provenance of loess material and formation of loess deposits on the Chinese Loess Plateau: **Earth and Planetary Science Letters**, 203(3-4), p. 845-859, illus. incl. sketch maps, 52 ref., November 15, 2002.

57001189

Warneke, Thorsten (Southampton Oceanography Centre, Southampton, United Kingdom); Croudace, Ian W.; Warwick, Phillip E. and Taylor, Rex N.

A new ground-level fallout record of uranium and plutonium isotopes for northern temperate latitudes: **Earth and Planetary Science Letters**, 203(3-4), p. 1047-1057, illus. incl. 7 tables, sketch map, 28 ref., November 15, 2002.

57001190

Eden, David (Ontario Power Generation, Waterloo, ON, Canada).

Iceberg alert for Toronto: **What on Earth - A Canadian Newsletter for the Earth Sciences**, 1(1), p. 7, illus., August 2002.

57001191

Van Dreil, Peter; Karrow, Paul F. and Russell, Peter.

Maryhill near Kitchener, Ontario; glacial landforms: **What on Earth - A Canadian Newsletter for the Earth Sciences**, 1(1), p. 16-17, illus., August 2002.

57001192

Morgan, Alan V.

Jan Mayen; who? where?: **What on Earth - A Canadian Newsletter for the Earth Sciences**, 1(1), p. 24-26, illus., August 2002.

57001193

Kasamatsu, Fujio (Marine Ecology Research Institute, Tokyo, Japan).

Species diversity of the whale community in the Antarctic: **Marine Ecology. Progress Series (Halstenbek)**, 200, p. 297-301, illus. incl. 1 table, sketch maps, 30 ref., July 14, 2000.

57001194

Mock, Thomas (Universität Kiel, Bremerhaven, Federal Republic of Germany) and Gradinger, Rolf.

Changes in photosynthetic carbon allocation in algal assemblages of Arctic sea ice with decreasing nutrient concentrations and irradiance: **Marine Ecology. Progress Series (Halstenbek)**, 202, p. 1-11, illus. incl. 2 tables, 92 ref., August 28, 2000.

57001195

Hallikainen, Martti (Helsinki University of Technology, Laboratory of Space Technology, Helsinki, Finland); Takala, Matias and Pulliainen, Jouni.

SSM/I response to dry snow and land-cover categories: *in* Scanning the present and resolving the future; proceedings, **International Geoscience and Remote Sensing Symposium**, 2001, Vol. VI, p. 2781-2783, illus. incl. 4 tables, sketch maps, 1 ref., 2001. *Meeting:* IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

57001196

Mayewski, Paul Andrew (University of Maine, Institute for Quaternary and Climate Studies, Orono, ME) and White, Frank.

The ice chronicles; the quest to understand global climate change: University Press of New England, Hanover, NH, 233 p., illus., 144 ref., 2002. ISBN: 1-58465-061-3.

57001197

Johnson, Joe.

The besetment of MV Polar Bird in Prydz Bay; December 2001-January 2002: **Aurora**, 21(4), p. 8-11, illus., June 2002.

57001198

Coates, Lucinda.

Voyage of a lifetime; V5, 2001-02; Anare Club representative's report: **Aurora**, 21(4), p. 15-18, 23-25, illus., June 2002.

57001199

Coates, Lucinda.

Memoirs of a PCM expeditioner (1991-92): **Aurora**, 21(4), p. 25-29, illus., June 2002.

57001200

Birks, Christopher J. A. (University of Bergen, Department of Geology, Bergen, Norway) and Koc, Nalan.

A high-resolution diatom record of late-Quaternary sea-surface temperatures and oceanographic conditions from the eastern Norwegian Sea: **Boreas**, 31(4), p. 323-344, illus. incl. sects., 6 tables, sketch map, 78 ref., December 2002. Includes appendices. *Foraminifera*

57001201

Lee, Jonathan R. (Royal Holloway University of London, Department of Geography, Egham, United Kingdom); Rose, James; Riding, James B.; Moorlock, Brian S. P. and Hamblin, Richard J. O.

Testing the case for a middle Pleistocene Scandinavian glaciation in eastern England; evidence for a Scottish ice source for tills within the Corton Formation of East Anglia, UK: **Boreas**, 31(4), p. 345-355, illus. incl. 4 tables, geol. sketch map, 46 ref., December 2002.

57001202

Noormets, Riko (University of Bremen, Department of Geosciences, Bremen, Federal Republic of Germany) and Floden, Tom.

Glacial deposits and ice-sheet dynamics in the north-central Baltic Sea during the last deglaciation: **Boreas**, 31(4), p. 362-377, sects., 1 table, sketch maps, 87 ref., December 2002.

57001203

Lu Houyuan (Chinese Academy of Sciences, Institute of Geology and Geophysics, Beijing, China); Liu Zhenxia; Wu Naiqin; Berné, Serge; Saito, Yoshiki; Liu, Baozhu and Wang Luo.

Rice domestication and climatic change; phytolith evidence from East China: **Boreas**, 31(4), p. 378-385, illus. incl. 2 tables, sketch map, 49 ref., December 2002. *Foraminifera, diatoms, pollen*

57001204

Carlson, Paul R. (U. S. Geological Survey, Menlo Park, CA); Hooge, Philip; Cochrane, Guy; Stevenson, Andrew; Dartnell, Pete and Lee, Kristen.

Multibeam bathymetry and selected perspective views of main part of Glacier Bay, Alaska: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 02-0391, illus. incl. sketch map, 2 ref., 2002. WWW. Accessed on Dec. 10, 2002.
<http://geopubs.wr.usgs.gov/open-file/of02-391/>

57001205

Blunier, Thomas (University of Bern, Physics Institute, Bern, Switzerland); Stocker, Thomas F.; Chappellaz, Jérôme and Raynaud, Dominique.

Phase lag of Antarctic and Greenland temperature in the last glacial and link between CO₂ variations and Heinrich events: *in* Reconstructing ocean history; a window into the future (Abrantes, Fatima, editor; *et al.*), Kluwer Academic/Plenum Publishers, New York, NY, p. 121-138, illus., 72 ref., 1999. *Meeting:* 6th international conference on Paleoceanography (ICP VI), Aug. 23-28, 1998, Lisbon, Portugal.

57001206

Fedorovich, D. I. and Targulyan, Yu. O.

Pile foundation construction characteristics in the Alaska oil pipeline: **Soil Mechanics and Foundation Engineering**, 28(5), p. 204-206, October 1991, [March 1992].

57001207

Khrustalev, L. N. and Pustovoit, G. P.

Calculation of the temperature of permafrost cooled by a small-diameter heat siphons: **Soil Mechanics and Foundation Engineering**, 32(5), p. 174, illus. incl. 1 table, October 1995, [March 1996].

57001208

Razbegin, V. N.

Viscoplasticity of ice and certain types of soils: **Soil Mechanics and Foundation Engineering**, 32(6), p. 181-192, illus., December 1995, [May 1996].

57001211

Wolkomir, Richard.

Shod for snow: **Smithsonian**, 31(9), p. 90-96, 98, illus., December 2000.

57001212

Konovalov, P. A.

On construction under special soil conditions; a special approach: **Soil Mechanics and Foundation Engineering**, 29(1), p. 24, February 1992, [July 1992].

57001213

Neklyudov, V. S. and Targulyan, Yu. O.

Multifunctional combined foundations on permafrost soils: **Soil Mechanics and Foundation Engineering**, 29(5), p. 164-166, illus., October 1992, [March 1993].

57001214

Rubinchik, S. B.

Cryogenic deformations of Suluk BAM Station building: **Soil Mechanics and Foundation Engineering**, 29(5), p. 167, illus., October 1992, [March 1993].

57001215

Pustovoit, G. P.

Methods of calculating thawing and freezing in beds of structures on nonflowing types of permafrost: **Soil Mechanics and Foundation Engineering**, 32(2), p. 57-62, illus. incl. 1 table, April 1995, [September 1995].

57001216

Fazlullin, S. M. (Russian Academy of Sciences, Institute of Volcanology,

Petropavlovsk-Kamchatskiy, Russian Federation); Ushakov, S. V.; Shuvalov, R. A.; Aoki, M.; Nikolaeva, A. G. and Lupikina, E. G.

Underwater eruption in the Akademii Nauk Caldera, Kamchatka, and its consequences; implications from hydrogeological, hydrochemical and hydrobiological studies: **Volcanology and Seismology**, 22(4), p. 375-395, illus. incl. 4 tables, sect., 12 ref., 2000, [January 2001].

57001217

Shumskii, P. A.

Relaksatsionnye avtokolebaniia i protsessy na dne lednikov [Relaxation oscillations and process at the bottom of glaciers]: *in Glyatsiologija i mekhanika gruntov* (Grigoryan, S. S., editor), Izdatel'stvo Moskovskogo Universiteta, Moscow, USSR, p. 3-45, illus., 39 ref., 1982.

57001218

Gevorkyan, S. G.

Nekotorye zadachi teorii morozoboinogo rastreskivaniia [Some problems of frost cracking theory]: *in Glyatsiologiya i mekhanika gruntov* (Grigoryan, S. S., editor), Izdatel'stvo Moskovskogo Universiteta, Moscow, USSR, p. 77-92, illus., 6 ref., 1982.

57001219

Bozhinskii, A. N. and Zeidis, I. M.

Ob isparenii ledyannoi niti [On evaporation of ice thread]: *in Glyatsiologiya i mekhanika gruntov* (Grigoryan, S. S., editor), Izdatel'stvo Moskovskogo Universiteta, Moscow, USSR, p. 46-49, illus., 1982.

57001234

Gierens, Klaus (Deutsches Zentrum für Luft-und Raumfahrt, Institut für Physik der Atmosphäre, Oberpfaffenhofen, Federal Republic of Germany); Schumann, Ulrich; Helten, Manfred; Smit, Herman and Wang, Pi-Huan.

Ice-supersaturated regions and subvisible cirrus in the northern midlatitude upper troposphere: **Journal of Geophysical Research, D, Atmospheres**, 105(18), p. 22,743-22,753, illus. incl. geol. sketch maps, 29 ref., September 27, 2000.

57001235

Harder, Susan (Washington State University, Department of Geology, Vancouver, WA, Canada); Warren, Stephen G. and Charlson, Robert J.

Sulfate in air and snow at the South Pole; implications for transport and deposition at sites with low snow accumulation: **Journal of Geophysical Research, D, Atmospheres**, 105(18), p. 22,825-22,832, illus. incl. 4 tables, 40 ref., September 27, 2000.

57001236

Duck, Thomas J. (York University, Department of Physics and Astronomy, Toronto, ON, Canada); Whiteway, James A. and Carswell, Allan I.

A detailed record of High Arctic middle atmospheric temperatures: **Journal of Geophysical Research, D, Atmospheres**, 105(18), p. 22,909-22,918, illus., 30 ref., September 27, 2000.

57001237

Honrath, R. E. (Michigan Technological University, Department of Civil and Environmental Engineering, Houghton, MI); Guo, S.; Peterson, M. C.; Dziobak, M. P.; Dibb, J. E. and Arseneault, M. A.

Photochemical production of gas phase NO_x from ice crystal NO_3^- : **Journal of Geophysical Research, D, Atmospheres**, 105(19), p. 24,183-24,190, illus., 46 ref., October 16, 2000.

57001238

Ziereis, H. (Deutsches Zentrum für Luft- und Raumfahrt, Institut für Physik der Atmosphäre, Oberpfaffenhofen, Federal Republic of Germany); Schlager, H.; Fischer, H.; Feigl, C.; Hoor, P.; Marquardt, R. and Wagner, V.

Aircraft measurements of tracer correlations in the Arctic subvortex region during the Polar Stratospheric Aerosol Experiment (POLSTAR): **Journal of Geophysical Research, D, Atmospheres**, 105(19), p. 24,305-24,313, illus. incl. geol. sketch map, 30 ref., October 16, 2000.

57001239

Parrish, D. D. (NOAA, Aeronomy Laboratory, Boulder, CO); Holloway, J. S.; Jakoubek, R.; Trainer, M.; Ryerson, T. B.; Hübler, G.; Fehsenfeld, F. C.; Moody, J. L. and Cooper, O. R.

Mixing of anthropogenic pollution with stratospheric ozone; a case study from the North Atlantic wintertime troposphere: **Journal of Geophysical Research, D, Atmospheres**, 105(19), p. 24,363-24,374, illus. incl. sketch maps, 31 ref., October 16, 2000.

57001240

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

Surface heat budget of Antarctic snow and blue ice; interpretation of spatial and temporal variability: **Journal of Geophysical Research, D, Atmospheres**, 105(19), p. 24,387-24,407, illus. incl. 8 tables, geol. sketch maps, 47 ref., October 16, 2000.

57001241

Cole-Dai, Jihong (Ohio State University, Byrd Polar Research Center, Columbus, OH); Mosley-Thompson, Ellen; Wight, Shawn P. and Thompson, Lonnie G.

A 4100-year record of explosive volcanism from an East Antarctica ice core: **Journal of Geophysical Research, D, Atmospheres**, 105(19), p. 24,431-24,441, illus. incl. 3 tables, geol. sketch map, 41 ref., October 16, 2000.

57001242

Mann, G. W. (University of Leeds, School of the Environment, Leeds, United Kingdom); Anderson, P. S. and Mobbs, S. D.

Profile measurements of blowing snow at Halley, Antarctica: **Journal of Geophysical Research, D, Atmospheres**, 105(19), p. 24,491-24,508, illus. incl. 5 tables, 49 ref., October 16, 2000.

57001243

Gairola, R. M. (Space Applications Centre, Oceanic Sciences Division, Ahmedabad, India); Basu, Sujit and Pandey, P. C.

Eddy detection over southern Indian Ocean using TOPEX/POSEIDON altimeter data: **Marine Geodesy**, 24(2), p. 107-121, illus. incl. 1 table, 24 ref., June 2001.

57001244

Kiernan, K. (University of Tasmania, School of Geography and Environmental Studies, Hobart, Tasmania, Australia) and McConnell, A.

Impacts of geoscience research on the physical environment of the Vestfold Hills, Antarctica: **Australian Journal of Earth Sciences**, 48(5), p. 767-776, illus. incl. 3 tables, geol. sketch map, 24 ref., October 2001.

57001245

Brauer, A. (GeoForschungsZentrum, Sedimente und Beckenbildung, Potsdam, Federal Republic of Germany) and Negendank, J. F. W., editors.

The value of annually laminated lake sediments in palaeoenvironment reconstruction; dedicated to Bjorn E. Berglund: **Quaternary International**, 88, 80 p., illus. incl. tables, sketch maps, 2002. Meeting: 4th European lake drilling programme workshop, Sept. 1999, Lund, Sweden. Individual papers are cited separately.

57001246

Brauer, A. (GeoForschungsZentrum, Sedimente und Beckenbildung, Potsdam, Federal Republic of Germany) and Negendank, J. F. W.

The value of annually laminated lake sediments in palaeoenvironment reconstruction: *in* The value of annually laminated lake sediments in palaeoenvironment reconstruction; dedicated to Bjorn E. Berglund (Brauer, A., editor; *et al.*), **Quaternary International**, 88, p. 1-3, sketch map, 2002. *Meeting:* 4th European lake drilling programme workshop, Sept. 1999, Lund, Sweden.

57001247

Tiljander, Mia (Geological Survey of Finland, Espoo, Finland); Ojala, Antti; Saarinen, Timo and Snowball, Ian.

Documentation of the physical properties of annually laminated (varved) sediments at a sub-annual to decadal resolution for environmental interpretation: *in* The value of annually laminated lake sediments in palaeoenvironment reconstruction; dedicated to Bjorn E. Berglund (Brauer, A., editor; *et al.*), **Quaternary International**, 88, p. 5-12, illus. incl. 2 tables, 48 ref., 2002. *Meeting:* 4th European lake drilling programme workshop, Sept. 1999, Lund, Sweden.

57001248

Snowball, Ian (Lund University, Department of Quaternary Geology, Lund, Sweden); Zillén, Lovisa and Sandgren, Per.

Bacterial magnetite in Swedish varved lake-sediments; a potential bio-marker of environmental change: *in* The value of annually laminated lake sediments in palaeoenvironment reconstruction; dedicated to Bjorn E. Berglund (Brauer, A., editor; *et al.*), **Quaternary International**, 88, p. 13-19, illus. incl. 1 table, sketch map, 17 ref., 2002. *Meeting:* 4th European lake drilling programme workshop, Sept. 1999, Lund, Sweden.

57001249

Kilian, M. R. (University of Groningen, Center for Geo-ecological Research, Groningen, Netherlands); van der Plicht, J.; van Geel, B. and Goslar, T.

Problematic ^{14}C -AMS dates of pollen concentrates from Lake Gosciaz (Poland): *in* The value of annually laminated lake sediments in palaeoenvironment reconstruction; dedicated to Bjorn E. Berglund (Brauer, A., editor; *et al.*), **Quaternary International**, 88, p. 21-26, illus. incl. 2 tables, sketch map, 30 ref., 2002. *Meeting:* 4th European lake drilling programme workshop, Sept. 1999, Lund, Sweden. *Holocene*

57001250

O'Sullivan, P. E. (University of Plymouth, Department of Environmental Sciences, Plymouth, United Kingdom); Moyeed, R.; Cooper, M. C. and Nicholson, M. J.

Comparison between instrumental, observational and high resolution proxy sedimentary records of late Holocene climatic change; a discussion of possibilities: *in* The value of annually laminated lake sediments in palaeoenvironment reconstruction; dedicated to Bjorn E. Berglund (Brauer, A., editor; *et al.*), **Quaternary International**, 88, p. 27-44, illus. incl. 6 tables, 97 ref., 2002. *Meeting:* 4th European lake drilling programme workshop, Sept. 1999, Lund, Sweden.

57001251

Morris, Peter, editor (British Antarctic Survey, Cambridge, United Kingdom); von Frese, Ralph, editor; Golynsky, Alexander, compiler; Chiappini, Massimo, compiler; Damaske, Detlef, compiler; Ferraccioli, Fausto, compiler; Ferris, Julie, compiler; Finn, Carol, compiler; Ghidella, Marta, compiler; Isihara, Takemi, compiler; Johnson, Ash, compiler; Kovacs, Skip, compiler; Masolov, Valery, compiler; Nogi, Yoshifumi, compiler; Purucker, Michael, compiler; Taylor, Patrick, compiler and Torta, Miquel, compiler.

ADMAP magnetic anomaly map of the Antarctic: **BAS Miscellaneous Series**, British Antarctic Survey, Cambridge, United Kingdom, Rep. No. 10, 1 sheet, colored magnetic survey map, 1:10,000,000, 2001. Scale at latitude 71 degrees South is 1:10,000,000; Financial support for this map came from SCAR, NSF and NASA.

57001252

Porter, Philip R. (University of Leeds, Leeds, United Kingdom) and Murray, Tavi.

Mechanical and hydraulic properties of till beneath Bakaninbreen, Svalbard: **Journal of Glaciology**, 47(157), p. 167-175, illus. incl. 3 tables, 38 ref., 2001.

57001253

Birkeland, K. W. (U. S. Forest Service, National Avalanche Center, Bozeman, MT).

Spatial patterns of snow stability throughout a small mountain range: **Journal of Glaciology**, 47(157), p. 283-294, illus. incl. 5 tables, geol. sketch maps, 35 ref., 2001.

57001254

Ramírez, Edson (Institut de Recherche pour le Developpement, Saint-Martin-d'Heres, France); Francou, Bernard; Ribstein, Pierre; Descloires, Marc; Guérin, Roger; Mendoza, Javier; Gallaire, Robert; Pouyaud, Bernard and Jordan, Ekkehard.

Small glaciers disappearing in the tropical Andes; a case-study in Bolivia; Glaciar Chacaltaya (16°S): **Journal of Glaciology**, 47(157), p. 187-194, illus. incl. geol. sketch map, 2 tables, block diag., 28 ref., 2001.

57001255

Kaser, Georg (Universität Innsbruck, Institut für Geographie, Innsbruck, Austria).

Glacier-climate interaction at low latitudes: **Journal of Glaciology**, 47(157), p. 195-205, illus. incl. 4 tables, geol. sketch map, 40 ref., 2001.

57001256

Siegert, Martin J. (University of Bristol, Bristol, United Kingdom) and Fujita, Shuji.

Internal ice-sheet radar layer profiles and their relation to reflection mechanisms between Dome C and the Transantarctic Mountains: **Journal of Glaciology**, 47(157), p. 205-212, illus. incl. geol. sketch map, sect., 16 ref., 2001.

57001257

Rignot, Eric (Jet Propulsion laboratory, Pasadena CA).

Evidence for rapid retreat and mass loss of Thwaites Glacier, West Antarctica: **Journal of Glaciology**, 47(157), p. 213-222, illus. incl. 5 tables, geol. sketch maps, 37 ref., 2001.

57001258

Iizuka, Yoshinori (Hokkaido University, Hokkaido, Japan); Satake, Hiroshi; Shiraiwa, Takayuki and Naruse, Renji.

Formation processes of basal ice at Hamna Glacier, Soya Coast, East Antarctica, inferred by detailed co-isotopic analyses: **Journal of Glaciology**, 47(157), p. 223-231, illus. incl. 1 table, geol. sketch map, 39 ref., 2001.

57001259

Copland, Luke (University of Alberta, Department of Earth and Atmospheric Sciences, Edmonton, AB, Canada) and Sharp, Martin.

Mapping thermal and hydrological conditions beneath a polythermal glacier with radio-echo sounding: **Journal of Glaciology**, 47(157), p. 232-242, illus. incl. geol. sketch map, 27 ref., 2001.

57001260

Li Yingkui (Chinese academy of Sciences, Beijing, China); Liu Gengnian and Cui Zhiyu.

Longitudinal variations in cross-section morphology along a glacial valley; a case-study from the Tien Shan, China: **Journal of Glaciology**, 47(157), p. 243-250, illus. incl. 4 tables, geol. sketch map, 35 ref., 2001.

57001261

Konig, Max (Norwegian Polar Institute, Tromso, Norway); Winther, Jan-Gunnar; Knudsen, Niels Tvis and Guneriussen, Tore.

Firn-line detection on Austre Okstindbreen, Norway, with airborne multipolarization SAR: **Journal of Glaciology**, 47(157), p. 251-257, illus. incl. 1 table, geol. sketch map, 26 ref., 2001.

57001262

Le Meur, E. (National Environmental Research Council, British Antarctic Survey, Cambridge, United Kingdom) and Hindmarsh, Richard C. A.

Coupled marine-ice-sheet/Earth dynamics using a dynamically consistent ice-sheet model and a shelf-gravitating viscous Earth model: **Journal of Glaciology**, 47(157), p. 258-270, illus. incl. 4 tables, 42 ref., 2001.

57001263

Hindmarsh, Richard C. A. (Natural Environment Research Council, British Antarctic Survey, Cambridge, United Kingdom) and Le Meur, E.

Dynamical processes involved in the retreat of marine ice sheets: **Journal of Glaciology**, 47(157), p. 271-282, illus. incl. 1 table, block diag., 46 ref., 2001.

57001264

Price, S. F. (SAIC General Sciences Corporation, Beltsville, MD); Bindschadler, R. A.; Hulbe, C. L. and Jougin, I. R.

Post-stagnation behavior in the upstream regions of Ice Stream C, West Antarctica: **Journal of Glaciology**, 47(157), p. 283-294, illus. incl. geol. sketch maps, 43 ref., 2001.

57001265

Glasser, Neil F. (University of Wales, Aberystwyth, United Kingdom) and Hambrey, Michael J.

Tidewater glacier beds; insights from iceberg debris in Kongsfjorden, Svalbard: **Journal of Glaciology**, 47(157), p. 295-302, illus. incl. 2 tables, geol. sketch maps, 43 ref., 2001.

57001266

Nereson, N. A. (University of Washington, Seattle, WA) and Raymond, C. F.

The elevation history of ice streams and the spatial accumulation pattern along the Siple Coast of West Antarctica inferred from ground-based radar data from three inter-ice-stream ridges: **Journal of Glaciology**, 47(157), p. 303-313, illus. incl. geol. sketch map, sect., 50 ref., 2001.

57001267

Lüthi, Martin P. (Eidgenoessische Technische Hochschule, Zurich, Switzerland) and Funk, Martin.

Modelling heat flow in a cold, high-altitude glacier; interpretation of measurements from Colle Gnifetti, Swiss Alps: **Journal of Glaciology**, 47(157), p. 325-334, illus., 29 ref., 2001.

57001268

Winther, Jan-Gunnar (Norwegian Polar Institute, Tromso, Norway); Jespersen, Martin Norman and Liston, Glen E.

Blue-ice areas in Antarctica derived from NOAA AVHRR satellite data: **Journal of Glaciology**, 47(157), p. 325-334, illus. incl. 5 tables, geol. sketch maps, 29 ref., 2001.

57001269

Isaksson, Elisabeth (Norwegian Polar Institute, Tromso, Norway); Pohjola, Veijo; Jauhainen, Tauno; Moore, John; Pinglot, Jean-Francis; Vaikmae, Rein; van de Wal, Roderik S. W.; Hagen, Jon Ove; Ivask, Juri; Karlof, Lars; Martma, Tonu; Meijer, Harro A. J.; Mulvaney, Robert; Thomassen, Martijn and van den Broeke, Michiel R.

A new ice-core record from Lomonosovfonna, Svalbard; viewing the 1920-97 data in relation to present climate and environmental conditions: **Journal of Glaciology**, 47(157), p. 335-346, illus. incl. 4 tables, geol. sketch map, 65 ref., 2001.

57001270

Abyzov, S. S. (Russian Academy of Sciences, Institute of Microbiology, Moscow, Russian Federation); Mitskevich, I. N.; Poglazova, M. N.; Barkov, N. I.; Lipenkov, V. Ya.; Bobin, N. E.; Koudryashov, B. B.; Pashkevich, V. M. and Ivanov, M. V.

Microflora in the basal strata at Antarctic ice core above the Vostok Lake: *in* The limits of life; proceedings of the Thirty-third COSPAR scientific assembly; F3.2-F3.3 symposium of COSPAR Scientific Commission F (Clark, B. C., editor; *et al.*), **Advances in Space Research**, 28(4), p. 701-706, illus., 15 ref., 2001. *Meeting:* July 16-23, 2000, Warsaw, Poland.

57001271

Mayzaud, P. (Observatoire Océanologique, Laboratoire d'Océanographie de Villefranche, Villefranche sur Mer, France); Razouls, S.; Errhil, A.; Tirelli, V. and Labat, J. P.

Feeding, respiration and egg production rates of copepods during austral spring in the Indian sector of the Antarctic Ocean; role of the zooplankton community in carbon transformation:

Deep-Sea Research. Part I: Oceanographic Research Papers, 49(6), p. 1027-1048, illus. incl. 8 tables, geol. sketch map, 92 ref., June 2002.

57001272

Jackson, George D. (University of Tasmania, Institute of Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia); Finn, Julian and Nicol, Stephen.

Planktonic cephalopods collected off East Antarctica during the "BROKE" survey: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 49(6), p. 1049-1054, illus. incl. 1 table, geol. sketch map, 24 ref., June 2002.

57001273

Liu Jiankun (Northern Jiaotong University, School of Civil Engineering and Architecture, Beijing, China) and Tian Yahu.

Numerical studies for the thermal regime of a roadbed with insulation on permafrost: **Cold Regions Science and Technology**, 35(1), p. 1-13, illus. incl. 4 tables, 18 ref., June 2002.

57001274

Qing Lin (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Guodong Cheng and Ping'an Peng.

The record of atmospheric CO₂ derived from the stable carbon isotopic composition of buried plant in perennial frozen lacustrine sediments: **Cold Regions Science and Technology**, 35(1), p. 15-25, illus. incl. 1 table, sketch map, 34 ref., June 2002.

57001275

White, Daniel (University of Alaska at Fairbanks, Department of Civil and Environmental Engineering, Fairbanks, AK); Yoshikawa, Kenji and Garland, D. Sarah.

Use of dissolved organic matter to support hydrologic investigations in a permafrost-dominated watershed: **Cold Regions Science and Technology**, 35(1), p. 27-33, illus. incl. 1 table, 9 ref., June 2002.

57001276

Yu Sheng (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Lanzhou, China); Jianming Zhang; Yongzhi Liu and Jingmin Wu.

Thermal regime in the embankment of Qinghai-Tibetan Highway in permafrost regions: **Cold Regions Science and Technology**, 35(1), p. 35-44, illus. incl. 7 tables, 9 ref., June 2002.

57001277

Ono, Takashi (Hokkai-Gakuen University, Department of Civil Engineering, Sapporo, Japan).

Lateral deformation of freezing clay under triaxial stress condition using laser-measuring device: **Cold Regions Science and Technology**, 35(1), p. 45-54, illus. incl. 2 tables, 3 ref., June 2002.

57001278

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

The temperature dependence of the effective elastic shear modulus of snow: **Cold Regions Science and Technology**, 35(1), p. 55-64, illus. incl. 3 tables, 21 ref., June 2002.

57001279

Shuman, Bryan (Brown University, Department of Geological Sciences, Providence, RI); Webb, Thompson, III; Bartlein, Patrick and Williams, John W.

The anatomy of a climatic oscillation; vegetation change in eastern North America during the Younger Dryas chronozone: **Quaternary Science Reviews**, 21(16-17), p. 1777-1791, illus., 106 ref., September 2002. Includes appendix.

57001280

Shuman, Bryan (Brown University, Department of Geological Sciences, Providence, RI); Bartlein, Patrick; Logar, Nathaniel; Newby, Paige and Webb, Thompson, III.
Parallel climate and vegetation responses to the early Holocene collapse of the Laurentide ice sheet: **Quaternary Science Reviews**, 21(16-17), p. 1793-1805, illus. incl. 1 table, strat. cols., 70 ref., September 2002.

57001281

Wilson, Peter (University of Ulster at Coleraine, School of Biological and Environmental Sciences, Coleraine, United Kingdom); Clark, Richard; Birnie, Jacky and Moore, David M.
Late Pleistocene and Holocene landscape evolution and environmental change in the Lake Sulivan area, Falkland Islands, South Atlantic: **Quaternary Science Reviews**, 21(16-17), p. 1821-1840, illus. incl. sects., strat. cols., 1 plate, 1 table, geol. sketch map, 64 ref., September 2002.

57001282

Korhola, Atte (University of Helsinki, Department of Ecology and Systematics, Helsinki, Finland); Vasko, Kari; Toivonen, Hannu T. T. and Olander, Heikki.
Holocene temperature changes in northern Fennoscandia reconstructed from chironomids using Bayesian modelling: **Quaternary Science Reviews**, 21(16-17), p. 1841-1860, illus. incl. sketch map, 106 ref., September 2002.

57001283

Lowe, Ashley L. (Rice University, Department of Earth Science, Houston, TX) and Anderson, John B.
Reconstruction of the West Antarctic ice sheet in Pine Island Bay during the last glacial maximum and its subsequent retreat history: **Quaternary Science Reviews**, 21(16-17), p. 1879-1897, illus. incl. sects., 3 tables, geol. sketch maps, 59 ref., September 2002.

57001284

Berger, G. W. (Desert Research Institute, Earth and Ecosystem Sciences, Reno, NV); Pillans, B. J.; Bruce, J. G. and McIntosh, P. D.
Luminescence chronology of loess-Paleosol sequences from southern South Island, New Zealand: **Quaternary Science Reviews**, 21(16-17), p. 1899-1913, illus. incl. strat. cols., 3 tables, sketch map, 74 ref., September 2002.

57001285

Dean, Walter E. (U. S. Geological Survey, Denver, CO); Forester, Richard M. and Bradbury, J. Platt.
Early Holocene change in atmospheric circulation in the Northern Great Plains; an upstream view of the 8.2 ka cold event: **Quaternary Science Reviews**, 21(16-17), p. 1763-1775, illus. incl. sketch maps, 65 ref., September 2002. *Ostracoda, diatoms, palynomorphs*

57001286

Shaw, J. (Geological Survey of Canada, Bedford Institute of Oceanography (Atlantic), Dartmouth, NS, Canada); Gareau, P. and Courtney, R. C.
Palaeogeography of Atlantic Canada 13-0 kyr: **Quaternary Science Reviews**, 21(16-17), p. 1861-1878, illus. incl. 1 table, sketch maps, 82 ref., September 2002.

57001287

Voss, Reinhard (Max-Planck Institut für Meteorologie, Hamburg, Federal Republic of Germany); May, Wilhelm and Roeckner, Erich.

Enhanced resolution modelling study on anthropogenic climate change; changes in extremes of the hydrological cycle: **International Journal of Climatology**, 22(7), p. 755-777, illus. incl. 5 tables, 46 ref., June 15, 2002.

57001288

Krylov, Vladimir N. (Hydrometeorological Research Centre of the Russian Federation, Moscow, Russian Federation).

The influence of the winter Arctic oscillation on the northern Russia spring temperature: **International Journal of Climatology**, 22(7), p. 779-785, illus. incl. 5 tables, sketch map, 23 ref., June 15, 2002.

57001289

Yamamoto, Michiyo (Hokkaido University, Graduate school of Environmental Earth Science, Sapporo, Japan); Watanabe, Shuichi; Tsunogai, Shizuo and Wakatsuchi, Masaaki.

Effects of sea ice formation and diapycnal mixing on the Okhotsk Sea intermediate water clarified with oxygen isotopes: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 49(7), p. 1165-1174, illus. incl. 2 tables, geol. sketch maps, 16 ref., July 2002.

57001290

Sosik, Heidi M. (Woods Hole Oceanographic Institution, Biology Department, Woods Hole, MA) and Olson, Robert J.

Phytoplankton and iron limitation of photosynthetic efficiency in the Southern Ocean during late summer: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 49(7), p. 1195-1216, illus. incl. 2 tables, geol. sketch map, 36 ref., July 2002.

57001291

Sato, Masayasu M. (Hokkaido University, Marine and Atmospheric Geochemistry Laboratory, Sapporo, Japan); Narita, Hisashi and Tsunogai, Shizuo.

Barium increasing prior to opal during the last termination of glacial ages in the Okhotsk Sea sediments: **Journal of Oceanography**, 58(3), p. 461-467, illus. incl. 1 table, sketch map, 23 ref., June 2002.

57001292

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

Evaluation of seasonal sea level variation at Syowa Station, Antarctica, using GPS observations: **Journal of Oceanography**, 58(3), p. 519-523, illus. incl. sketch map, 15 ref., June 2002.

57001293

Prowse, Terry D. (National Water Research Institute, Saskatoon, SK, Canada); Peters, Daniel; Beltaos, Spyros; Pietroniro, Alain; Romolo, Luigi; Toyra, Jessika and Leconte, Robert.

Restoring ice-jam floodwater to a drying delta ecosystem: *in* Non-structural measures for water management (Simonovic, Slobodan P., editor), **Water International**, 27(1), p. 58-69, illus. incl. sketch maps, 45 ref., March 2002.

57001294

Kuchment, Lev S. (Russian Academy of Sciences, Water Problems Institute, Moscow, Russian Federation) and Gelfan, Alexander N.

Estimation of extreme flood characteristics using physical based models of runoff generation and stochastic meteorological inputs: *in* Non-structural measures for water management (Simonovic, Slobodan P., editor), **Water International**, 27(1), p. 77-86, illus. incl. 4 tables, 20 ref., March 2002.

57001295

Mukherjee, B. P. (Geological Survey of India, Kolkata, India) and Sangewar, C. V.

Recession of Gangotri Glacier through 20th century: *in* Role of earth sciences in integrated development and related societal issues (India, Geological Survey), **Special Publication Series - Geological Survey of India**, 65(3), p. 1-3, illus., 6 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001296

Rai, R. P. (Geological Survey of India, Lucknow, India); Kumar, Rajesh and Prasad, Surendra.

Glacial, periglacial and fluvial deposits of Sarju Valley, Bageshwar District, Uttaranchal: *in* Role of earth sciences in integrated development and related societal issues (India, Geological Survey), **Special Publication Series - Geological Survey of India**, 65(3), p. 5-10, illus. incl. 2 tables, sketch map, 6 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001297

Tiwari, M. (Geological Survey of India, Lucknow, India); Sharma, Kumud and Srivastava, S. C.

Communication routes in central Himalayas; construction problems and remedial measures: *in* Role of earth sciences in integrated development and related societal issues (India, Geological Survey), **Special Publication Series - Geological Survey of India**, 65(3), p. 11-15, sketch maps, 7 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001298

Singh, Dhruv Sen (University of Lucknow, Lucknow, India) and Mishra, Ajai.

Gangotri Glacier characteristics, retreat and processes of sedimentation in the Bhagirathi Valley: *in* Role of earth sciences in integrated development and related societal issues (India, Geological Survey), **Special Publication Series - Geological Survey of India**, 65(3), p. 17-20, 1 plate, sketch map, 14 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001299

Shukla, S. P. (Geological Survey of India, Lucknow, India); Chitranshi, Alok; Oberoi, L. K. and Siddiqui, M. A.

Glacier resources of Ghaghra Basin, Kumaun Himalaya, Uttaranchal: *in* Role of earth sciences in integrated development and related societal issues (India, Geological Survey), **Special Publication Series - Geological Survey of India**, 65(3), p. 21-25, illus. incl. 5 tables, sketch map, 8 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001300

Srivastava, Deepak (Geological Survey of India, Lucknow, India); Sangewar, C. V. and Shukla, S. P.

Snowbound and glacierised areas; perspectives in execution of engineering structures: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 27-30, 4 tables, 8 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001301

Singh, B. P. (Jammu University, Jammu, India); Kumar, R. and Kalsotra, B. L.

Suspended and dissolved flux in the Baspa River, Kinnaur District, Himachal Pradesh; evaluation of weathering and erosion: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 31-35, illus. incl. 2 tables, sketch map, 21 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001302

Swaroop, Siddharth (Geological Survey of India, Lucknow, India); Shukla, S. P. and Oberoi, L. K.

Chemical characteristics of Hamtah and Nagpo Tokpo glacial melts, Chandra and Spiti basins, Lahaul and Spiti District, Himachal Pradesh: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 37-42, illus. incl. 1 table, 3 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001303

Srivastava, Deepak (Geological Survey of India, Lucknow, India); Swaroop, Siddharth and Shukla, S. P.

Avalanche impact around Kedarnath Township in Mandakini Valley, Garhwal Himalaya, Uttarakhand: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 43-47, 1 table, sketch maps, 7 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001304

Tewari, Vinod C. (Wadia Institute of Himalayan Geology, Dehra Dun, India).

Neoproterozoic glaciation in the Uttarakhand Lesser Himalaya and the global palaeoclimatic change: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 49-55, strat. cols., 1 table, geol. sketch map, 33 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001305

Oberoi, L. K. (Geological Survey of India, Lucknow, India); Siddiqui, M. A. and Srivastava, Deepak.

Recession pattern of Miyar Glacier, Lahaul and Spiti District, Himachal Pradesh: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 57-60, illus. incl. 1 table, sketch map, 2 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001306

Oberoi, L. K. (Geological Survey of India, Lucknow, India); Siddiqui, M. A. and Srivastava, Deepak.

Recession of Chipa, Meola and Jhulang (Kharsa) glaciers in Dhauliganga Valley between 1912 and 2000: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 61-66, 1 plate, 1 table, sketch maps, 5 ref., 2001. *Meeting*: National symposium, Nov. 2-4, 2001, Lucknow, India.

57001307

Ranhotra, P. S. (Birbal Sahni Institute of Palaeobotany, Lucknow, India); Bhattacharyya, A.; Kar, Ratan and Sekar, B.

Vegetational and climatic changes around Gangotri Glacier during Holocene: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 67-71, chart, sketch map, 18 ref., 2001. *Meeting*: National symposium, Nov. 2-4, 2001, Lucknow, India.

57001308

Verma, K. K. (A-2220, Rajajipuram, Lucknow, India).

Miliolite Limestone and associated Quaternary deposits of Saurashtra, Gujarat, with special reference to their depositional environments and sea-level fluctuations due to glacio-eustatic oscillations of sea: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 73-80, 1 table, sketch maps, 24 ref., 2001. *Meeting*: National symposium, Nov. 2-4, 2001, Lucknow, India.

57001309

Kumar, Rajesh (Geological Survey of India, Lucknow, India) and Singh, Ghan Shyam.

Geology and geomorphology of Quaternaries along Kailash-Mansarovar Route, upper Kali Valley, Pithoragarh District, Uttarakhand: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 109-116, 2 plates, 1 table, sketch map, 6 ref., 2001. *Meeting*: National symposium, Nov. 2-4, 2001, Lucknow, India.

57001310

Kar, S. K. (Geological Survey of India, Lucknow, India); Prasad, Surendra and Kumar, Alok.

Fluvioglacial deposits of Kangra Doon, Himachal Pradesh and its mineralogical significance: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 117-122, 3 tables, geol. sketch map, 15 ref., 2001. *Meeting*: National symposium, Nov. 2-4, 2001, Lucknow, India.

57001311

Saxena, Anil (Geological Survey of India, Lucknow, India); Srivastava, R. N. and Rai, Vikram.

The morphological features on the neo placer gold grains and their significance: *in Role of earth sciences in integrated development and related societal issues (India, Geological Survey), Special Publication Series - Geological Survey of India*, 65(3), p. 163-166, illus., 4 ref., 2001. *Meeting*: National symposium, Nov. 2-4, 2001, Lucknow, India.

57001312

Bandhopadhyay, Asimendu (Geological Survey of India, Shillong, India) and Mitra, Sumit Kumar.

Quaternary sea level changes and their geological implications with special reference to Indian coasts: *in* Role of earth sciences in integrated development and related societal issues (India, Geological Survey), **Special Publication Series - Geological Survey of India**, 65(3), p. 275-278, 9 ref., 2001. *Meeting:* National symposium, Nov. 2-4, 2001, Lucknow, India.

57001313

Lehman, Scott J. (University of Colorado at Boulder, Institute of Arctic and Alpine Research, Boulder, CO); Sachs, Julian P.; Crotwell, Andrew M.; Keigwin, Lloyd D. and Boyle, Edward A.

Relation of subtropical Atlantic temperature, high-latitude ice rafting, deep water formation, and European climate 130,000-60,000 years ago: **Quaternary Science Reviews**, 21(18-19), p. 1917-1924, illus. incl. 1 table, 36 ref., October 2002.

57001314

Friese, Pierre A. (Post Office Box 612, Squamish, BC, Canada) and Clague, John J.

Younger Dryas readvance in Squamish River valley, southern Coast Mountains, British Columbia: **Quaternary Science Reviews**, 21(18-19), p. 1925-1933, illus. incl. strat. cols., 1 table, geol. sketch maps, 28 ref., October 2002.

57001315

Ballantyne, Colin K. (University of Saint Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom).

Paraglacial geomorphology: **Quaternary Science Reviews**, 21(18-19), p. 1935-2017, illus. incl. block diag., sect., strat. cols., 5 tables, geol. sketch maps, 352 ref., October 2002.

57001316

Carrión, José S. (Universidad de Murcia, Departamento de Biología Vegetal (Botánica), Murcia, Spain).

Patterns and processes of late Quaternary environmental change in a montane region of southwestern Europe: **Quaternary Science Reviews**, 21(18-19), p. 2047-2066, illus. incl. 2 tables, sketch map, 71 ref., October 2002.

57001317

Grigg, Laurie D. (University of Oregon, Department of Geography, Eugene, OR) and Whitlock, Cathy.

Patterns and causes of millennial-scale climate change in the Pacific Northwest during marine isotope stages 2 and 3: **Quaternary Science Reviews**, 21(18-19), p. 2067-2083, illus. incl. strat. col., 3 tables, sketch map, 75 ref., October 2002.

57001318

Kim, Jung-Hyun (Universität Bremen, Fachbereich Geowissenschaften, Bremen, Federal Republic of Germany); Schneider, Ralph R.; Hebbeln, Dierk; Müller, Peter J. and Wefer, Gerold.

Last deglacial sea-surface temperature evolution in the Southeast Pacific compared to climate changes on the South American continent: **Quaternary Science Reviews**, 21(18-19), p. 2085-2097, illus. incl. 1 table, sketch maps, 92 ref., October 2002.

57001319

Nakagawa, Takeshi (International Research Center for Japanese Studies (IRCJS), Kyoto, Japan); Tarasov, Pavel E.; Nishida, Kotoba; Gotanda, Katsuya and Yasuda, Yoshinori. Quantitative pollen-based climate reconstruction in central Japan; application to surface and late Quaternary spectra: **Quaternary Science Reviews**, 21(18-19), p. 2099-2113, illus. incl. 3 tables, sketch map, 35 ref., October 2002.

57001320

Karrow, P. F. (University of Waterloo, Department of Earth Sciences and Quaternary Sciences Institute, Waterloo, ON, Canada) and Teller, James T.

Formation of large beaches in an area of rapid differential isostatic rebound; the three-outlet control of Lake Agassiz; discussion and reply: **Quaternary Science Reviews**, 21(18-19), p. 2115-2122, illus. incl. sketch map, 38 ref., October 2002. For reference to original see Teller, J. T., *Quaternary Science Reviews*, Vol. 20, No. 15, p. 1649-1659, 2001.

57001321

Gerhard, Lee C. (Kansas Geological Survey, Lawrence, KS).

The end of the climate debate?: **The Professional Geologist**, 39(9), p. 12-14, 20 ref., October 2002.

57001322

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

Antarctic Science in the global context; 2000-2005: 24 p., illus., 2001. ISBN: 1855312123 Available from: British Antarctic Survey, Cambridge, United Kingdom.

57001323

Melnikov, Igor A. (P. P. Shirshov Institute of Oceanology, Moscow, Russian Federation); Kolosova, Elena G.; Welch, Harold E. and Zhitina, Ludmila S.

Sea ice biological communities and nutrient dynamics in the Canada Basin of the Arctic Ocean: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 49(9), p. 1623-1649, illus. incl. 7 tables, geol. sketch map, 50 ref., September 2002.

57001324

Stoll, M. H. C. (Royal Netherlands Institute for Sea Research, Department of Marine Chemistry and Geology, Texel, Netherlands); Thomas, H.; de Baar, H. J. W.; Zondervan, I.; De Jong, E.; Bathmann, U. V. and Fahrbach, E.

Biological versus physical processes as drivers of large oscillations of the air-sea CO₂ flux in the Antarctic marginal ice zone during summer: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 49(9), p. 1651-1667, illus. incl. 3 tables, geol. sketch map, 52 ref., September 2002.

57001325

Romanovskii, N. N. (Moscow State University, Department of Geology, Moscow, Russian Federation) and Tipenko, G. S.

Zakonomernosti vzaimodeistviia merzlykh tolshch i razovykh zalezhei [Regularities of permafrost and gas deposit interaction]: **Kriosfera Zemli**, 2(1), p. 3-10 (English sum.), illus. incl. 1 table, 15 ref., March 2002.

57001326

Kotov, A. N. (Russian Academy of Sciences, Far Eastern Division, Chukotka Research Center, Anadyr, Russian Federation).

Alasnyy i ledovyy kompleksy otlozhenii severo-zapadnoi Chukotki; poberezh'ye Vostochno-Sibirskogo morya [Alass and ice complexes of sediments of northwestern Chukotka; coastal zone of East Siberian Sea]: **Kriosfera Zemli**, 2(1), p. 11-18 (English sum.), 11 ref., March 2002.

57001327

Zhang, T. (University of Colorado, National Snow and Ice Data Center Cooperative, Boulder, CO).

Klimaticheskie i geokriologicheskie uslovii severnoi Alyaski [Climate and permafrost conditions in Northern Alaska, USA]: **Kriosfera Zemli**, 2(1), p. 19-27 (English sum.), illus., 46 ref., March 2002.

57001328

Devyatkin, V. N. (Russian Academy of Sciences, Siberian Branch, Earth Cryosphere Institute, Tyumen, Russian Federation) and An, V. V.

O sootnoshenii tepovyykh potokov v merzloi i podstilaiushchei nemerzloi tolshchakh litosfery Sakha-Iakutii [Relationship between heat flows in frozen and underlying unfrozen rocks in lithosphere of Sakha-Iakutia]: **Kriosfera Zemli**, 2(1), p. 28-31 (English sum.), illus. incl. 1 table, 12 ref., March 2002.

57001329

Moskalenko, N. G. (Russian Academy of Sciences, Siberian Branch, Earth Cryosphere Institute, Moscow, Russian Federation).

Izuchenie sezonnogo protaivaniia torfyanikov v kriolitozone Zapadnoi Sibiri [Investigation of seasonal thawing of peatlands in West Siberian cryolithozone]: **Kriosfera Zemli**, 2(1), p. 32-35 (English sum.), illus. incl. 1 table, 10 ref., March 2002.

57001330

Polyakov, V. A. (All-Russian Research Institute of Hydrology and Engineering Geology, Moscow, Russian Federation) and Mel'nikov, E. S.

Otsenka radioekologicheskoi obstanovki na territorii severnoi chasti Zapadnoi Sibiri [Evaluation of radioecological situation in northern part of West Siberia]: **Kriosfera Zemli**, 2(1), p. 36-43 (English sum.), illus. incl. 2 tables, sketch map, 25 ref., March 2002.

57001331

Grebennets, V. I. (Norilsk Department of Research Institute of Bases and Underground Structures, Norilsk, Russian Federation).

Issledovanie tekhnogennogo podtopleniya i zasoleniiia grunfov v Noril'skom promyshlennom rayone [Technogenic salinity and thawing of frozen grounds in Norilsk mining district]: **Kriosfera Zemli**, 2(1), p. 44-47 (English sum.), 2 tables, 4 ref., March 2002.

57001332

Vasil'chuk, Iu. K. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation); Vasil'chuk, A. K.; Jungner, Kh.; Korneeva, G. A. and Vudantseva, N. A.

Gidrobiokhimicheskii sostav singeneticeskikh l'dov Seiakhinskoi tolshchi kak indikator urovnya Obskoi guby v pozdnem pleistotsene [Hydrobiochemical composition of syngenetic ice of Seiakhinska Complex as indicator of Ob Bay level in upper Pleistocene]: **Kriosfera Zemli**, 2(1), p. 48-54 (English sum.), illus. incl. 1 table, 21 ref., March 2002.

57001333

Are, F. E. (Petersburg State University of Means of Communications, St. Petersburg, Russian Federation).

Termoabrazia beregov morya Laptevykh i ee vklad v balans nanosov morya [Thermoabrasion of Laptev Sea shores and its input into sediment balance of the sea]: **Kriosfera Zemli**, 2(1), p. 55-61 (English sum.), 25 ref., March 2002.

57001334

Buldovich, S. N. (Moscow State University, Department of Geology, Moscow, Russian Federation) and Danilov, I. D.

Temperaturnoe pole melkovodnykh otlozhenii arktycheskikh morei v polose smerzaniia pripainykh l'dov s donnymi gruntami [Thermal field of shallow marine sediments in Arctic seas in area of connection of ice edges with bottom sediments]: **Kriosfera Zemli**, 2(1), p. 62-67 (English sum.), 11 ref., March 2002.

57001335

Fedorov-Davydov, D. G. (Russian Academy of Sciences, Institute of Soil Science and Photosynthesis, Moscow, Russian Federation); Spirina, E. V.; Chaikovskaia, N. R.; Vishnivetskaia, T. A. and Pasnitskaia, L. A.

Chislennost' i osobennosti profil'nogo raspredeleniya prokarioticheskikh mikroorganizmov v kriogennykh pochvakh Kolymskoi [Abundance and distinctive features of the profile distribution of prokaryotic microorganisms in cryogenic soils of Kolyma Basin]: **Kriosfera Zemli**, 2(1), p. 68-78 (English sum.), 12 ref., March 2002.

57001336

Elberling, B. (University of Copenhagen, Institute of Geography, Copenhagen, Denmark) and Iakobsen, B. Kh.

Dinamika sostava pochvennykh rastvorov i khimicheskie svoistva pochv Arktycheskikh pustyn' Zakenberga; Severo-Vostochnaia Grenlandiia [Variation in soil solution and chemical properties of Arctic desert soils at Zackenberg, northeastern Greenland]: **Kriosfera Zemli**, 2(1), p. 79-85 (English sum.), illus., 15 ref., March 2002.

57001337

Tolstikhin, N. I. (Akademii Nauk SSSR, Sibirskoe Otdelenie, Institut Merzlotovedeniia, Russian Federation); Nekrasov, I. A. and Shepelev, V. V.

Pis'mo professora Nestora Ivanovicha Tolstikhina [Letter of professor Nicolai Ivanovich Tolstikhin]: **Kriosfera Zemli**, 2(1), p. 86-88, March 2002. correspondence.

57001338

Strass, V. H. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Bathmann, U. V.; Rutgers van der Loeff, M. M. and Smetacek, V., editors.

Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector: **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3707-3950, illus., 2002. Individual papers are cited separately.

57001339

Read, J. F. (Southampton Oceanography Centre, Southampton, United Kingdom); Pollard, R. T. and Bathmann, U. V.

Physical and biological patchiness of an upper ocean transect from South Africa to the ice edge near the Greenwich Meridian: *in* Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3713-3733, illus. incl. sketch map, 48 ref., 2002.

57001340

Strass, Volker H. (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Naveira Garabato, Alberto C.; Pollard, Raymond T.; Fischer, Haika I.; Hense, Inga; Allen, John T.; Read, Jane F.; Leach, Harry and Smetacek, Victor.

Mesoscale frontal dynamics; shaping the environment of primary production in the Antarctic Circumpolar Current: *in* Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3735-3769, illus., 63 ref., 2002.

57001341

Naveira Garabato, Alberto C. (University of Liverpool, Oceanography Laboratories, Liverpool, United Kingdom); Strass, Volker H. and Kattner, Gerhard.

Fluxes of nutrients in a three-dimensional meander structure of the Antarctic Polar Front: *in* Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3771-3792, illus. incl. 2 tables, 37 ref., 2002.

57001342

Tremblay, J. E. (Alfred-Wegener-Institut für Polar und Meeresforschung, Bremerhaven, Federal Republic of Germany); Lucas, M. I.; Kattner, G.; Pollard, R. T.; Strass, V. H.; Bathmann, U. V. and Bracher, A.

Significance of the Polar Frontal Zone for large-sized diatoms and new production during summer in the Atlantic sector of the Southern Ocean: *in* Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3793-3811, illus. incl. 1 table, sketch map, 61 ref., 2002.

57001343

Strass, Volker H. (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Naveira Garabato, Alberto C.; Bracher, Astrid U.; Pollard, Raymond T. and Lucas, Mike I.

A 3-D mesoscale map of primary production at the Antarctic Polar Front; results of a diagnostic model: *in* Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3813-3834, illus. incl. 8 tables, 54 ref., 2002.

57001344

Smetacek, Victor (Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Klaas, Christine; Menden-Deuer, Susanne and Ryneanson, Tatiana A.

Mesoscale distribution of dominant diatom species relative to the hydrographical field along the Antarctic Polar Front: *in Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector* (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3835-3848, illus., 45 ref., 2002.

57001345

Rutgers van der Loeff, Michiel M. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Buesseler, Ken; Bathmann, Ulrich V.; Hense, Inga and Andrews, John.

Comparison of carbon and opal export rates between summer and spring bloom periods in the region of the Antarctic Polar Front, SE Atlantic: *in Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector* (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3849-3869, illus. incl. 2 tables, 82 ref., 2002.

57001346

Pollard, R. T. (Southampton Oceanography Centre, Southampton, United Kingdom); Bathmann, U. V.; Dubischar, C.; Read, J. F. and Lucas, M.

Zooplankton distribution and behaviour in the Southern Ocean from surveys with a towed Optical Plankton Counter: *in Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector* (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3889-3915, illus. incl. 3 tables, 41 ref., 2002.

57001347

Vélez-Belchí, P. (Centro Oceanográfico de Canarias, Instituto Español de Oceanografía, Santa Cruz de Tenerife, Spain); Allen, J. T. and Strass, V. H.

A new way to look at mesoscale zooplankton distributions; an application at the Antarctic Polar Front: *in Mesoscale physics, biogeochemistry and ecology of the Antarctic Polar Front, Atlantic Sector* (Strass, V. H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(18), p. 3917-3929, illus., 33 ref., 2002.

57001348

Law, C. S. (Plymouth Marine Laboratory, Plymouth, United Kingdom); Boyd, P. W. and Watson, A. J., editors.

SOIREE; the Southern Ocean Iron RElease Experiment: **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2425-2773, illus. incl. tables, 2001. Individual papers are cited separately; includes CD-ROM.

57001349

Boyd, P. W. (University of Otago, Department of Chemistry, Dunedin, New Zealand) and Law, C. S.

The Southern Ocean iron RElease Experiment (SOIREE); introduction and summary: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2425-2438, illus. incl. geol. sketch map, 2 tables, block diag., 61 ref., 2001.

57001350

Trull, Tom (University of Tasmania, Antarctic Cooperative Research Centre, Hobart, Tasmania, Australia); Rintoul, Stephen R.; Hadfield, Mark and Abraham, Edward R.
Circulation and seasonal evolution of polar waters south of Australia; implications for iron fertilization of the Southern Ocean: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2439-2466, illus. incl. geol. sketch map, 1 table, sect., 119 ref., 2001.

57001351

Frew, Russell (University of Otago, Department of Chemistry, Dunedin, New Zealand); Bowie, Andrew; Croot, Peter and Pickmere, Stuart.
Macronutrient and trace-metal geochemistry of an *in situ* iron-induced Southern Ocean bloom: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2467-2481, illus. incl. 1 table, geol. sketch map, 69 ref., 2001.

57001352

Bakker, Dorothee C. E. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom); Watson, Andrew J. and Law, Cliff S.
Southern Ocean iron enrichment promotes inorganic carbon drawdown: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2483-2507, illus. incl. 5 tables, sects., 68 ref., 2001.

57001353

Law, C. S. (Plymouth Marine Laboratory, Plymouth, United Kingdom) and Ling, R. D.
Nitrous oxide flux and response to increased iron availability in the Antarctic Circumpolar Current: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2509-2527, illus. incl. 1 table, geol. sketch map, 52 ref., 2001.

57001354

Boyd, P. W. (University of Otago, Department of Chemistry, Dunedin, New Zealand) and Abraham, E. R.
Iron-mediated changes in phytoplankton photosynthetic competence during SOIREE: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2529-2550, illus. incl. 1 table, sects., 45 ref., 2001.

57001355

Gall, M. P. (National Institute of Water and Atmospheric Research, Christchurch, New Zealand); Boyd, P. W.; Hall, J.; Safi, K. A. and Chang, H.
Phytoplankton processes; Part I, Community structure during the Southern Ocean Iron RElease Experiment (SOIREE): *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2551-2570, illus. incl. 2 tables, 70 ref., 2001.

57001356

Gall, M. P. (National Institute of Water and Atmospheric Research, Christchurch, New Zealand); Strzepek, R.; Maldonado, M. and Boyd, P. W.

Phytoplankton processes; Part 2, Rates of primary production and factors controlling algal growth during the Southern Ocean Iron RElease Experiment (SOIREE): *in* SOIREE; the Southern Ocean Iron RElease Experiment (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2571-2590, illus., 74 ref., 2001.

57001357

Hall, Julie A. (National Institute of Water and Atmospheric Research, Hamilton, New Zealand) and Safi, Karl.

The impact of in situ Fe fertilisation on the microbial food web in the Southern Ocean: *in* SOIREE; the Southern Ocean Iron RElease Experiment (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2591-2613, 66 ref., 2001.

57001358

Zeldis, John (National Institute of Water and Atmospheric Research, Christchruch, New Zealand).

Mesozooplankton community composition, feeding, and export production during SOIREE: *in* SOIREE; the Southern Ocean Iron RElease Experiment (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2615-2634, illus. incl. 1 table, 47 ref., 2001.

57001359

Waite, Anya M. (University of Western Australia, Centre for Water Research, Nedlands, West. Aust., Australia) and Nodder, Scott D.

The effect of in situ iron addition on the sinking rates and export flux of Southern Ocean diatoms: *in* SOIREE; the Southern Ocean Iron RElease Experiment (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2635-2654, illus. incl. 2 tables, 65 ref., 2001.

57001360

Trull, T. W. (University of Tasmania, Antarctic Cooperative Research Centre, Hobart, Tasmania, Australia) and Armand, Leanne.

Insights into Southern Ocean carbon export from the $\delta^{13}\text{C}$ of particles and dissolved inorganic carbon during the SOIRRE iron release experiment: *in* SOIREE; the Southern Ocean Iron RElease Experiment (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2655-2680, illus. incl. 2 tables, sects., 63 ref., 2001.

57001361

Nodder, Scott D. (National Institute of Water and Atmospheric Research, New Zealand Oceanographic Institute, Wellington, New Zealand) and Waite, Anya M.

Is Southern Ocean organic carbon and biogenic silica export enhanced by iron-stimulated increases in biological production? Sediment trap results from SOIREE: *in* SOIREE; the Southern Ocean Iron RElease Experiment (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2681-2701, illus. incl. 3 tables, 78 ref., 2001.

57001362

Bowie, Andrew R. (University of Plymouth, Department of Environmental Sciences, Plymouth, United Kingdom); Maldonado, Maria T.; Frew, Russell D.; Croot, Peter L.; Achterberg, Eric P.; Mantoura, R. Fauzi C.; Worsfold, Paul J.; Law, Cliff S. and Boyd, Philip W.

The fate of added iron during a mesoscale fertilisation experiment in the Southern Ocean: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2703-2743, illus. incl. 5 tables, geol. sketch map, 107 ref., 2001.

57001363

Hannon, E. (Université Libre de Bruxelles, Ecologie des Systèmes Aquatiques, Brussels, Belgium); Boyd, P. W.; Silvoso, M. and Lancelot, C.

Modeling the bloom evolution and carbon flows during SOIREE; implications for future in situ iron-enrichments in the Southern Ocean: *in SOIREE; the Southern Ocean Iron RElease Experiment* (Law, C. S., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 48(11-12), p. 2745-2773, illus. incl. 3 tables, 40 ref., 2001.

57001364

Long, David G. (Brigham Young University, Provo, UT); Ballantyne, Jarom and Bertoia, Cheryl.

Is the number of Antarctic icebergs really increasing?: **Eos, Transactions, American Geophysical Union**, 83(42), p. 469, 474, illus., 6 ref., October 15, 2002.

57001365

Falkenstrom, Helen (Stockholm County Administrative Board, Stockholm, Sweden) and Ekstrand, Sam.

Evaluation of IRS-1c LISS-3 satellite data for defoliation assessment on Norway spruce and Scots pine: **Remote Sensing of Environment**, 82(2-3), p. 208-223, illus. incl. 6 tables, sketch map, 49 ref., October 2002.

57001366

Huang Baoqi (Tongji University, Laboratory of Marine Geology, Shanghai, China); Jian Zhimin; Cheng Xinrong and Wang Pinxian.

Foraminiferal responses to upwelling variations in the South China Sea over the last 220 000 years: **Marine Micropaleontology**, 47(1-2), p. 1-15, illus. incl. 1 plate, sketch map, 66 ref., January 2003.

57001367

Rasmussen, Tine L. (Lund University, Institute of Geology, Lund, Sweden); Thomsen, Erik; Troelstra, Simon R.; Kuijpers, Antoon and Prins, Maarten A.

Millennial-scale glacial variability versus Holocene stability; changes in planktic and benthic Foraminifera faunas and ocean circulation in the North Atlantic during the last 60 000 years: **Marine Micropaleontology**, 47(1-2), p. 143-176, illus. incl. 2 tables, sketch map, 161 ref., January 2003. Includes appendices.

57001368

Marchitto, Thomas, Jr. (Lamont-Doherty Earth Observatory, Palisades, NY).

Oceans and ice; paleoclimatology and paleoceanography: *in Highlights; discoveries in the earth sciences*, **Geotimes**, 47(7), p. 28-29, July 2002.

57001369

Hughes, Terence J. (University of Maine, Department of Geological Sciences, Orono, ME). Oceans and ice; glaciology: *in* Highlights; discoveries in the earth sciences, **Geotimes**, 47(7), p. 30, illus., July 2002.

57001370

Muench, Robin D. (Earth and Space Research, Seattle, WA) and Hellmer, Hartmut H., editors.

Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL): **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(21), p. 4711-4886, illus., 2002.

Individual papers are cited separately.

57001371

Naveira Garabato, Alberto C. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom); McDonagh, Elaine L.; Stevens, David P.; Heywood, Karen J. and Sanders, Richard J.

On the export of Antarctic Bottom Water from the Weddell Sea: *in* Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL) (Muench, Robin D., editor; *et al.*),

Deep-Sea Research. Part II: Topical Studies in Oceanography, 49(21), p. 4715-4742, illus. incl. 3 tables, sketch map, 63 ref., 2002.

57001372

von Gyldenfeldt, Anna B. (Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Fahrbach, Eberhard; García, Marc A. and Schröder, Michael.

Flow variability at the tip of the Antarctic Peninsula: *in* Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL) (Muench, Robin D., editor; *et al.*), **Deep-Sea Research.**

Part II: Topical Studies in Oceanography, 49(21), p. 4743-4766, illus. incl. sketch maps, 33 ref., 2002.

57001373

Schröder, M. (Alfred-Wegener Institute for Polar and Marine Science, Bremerhaven, Federal Republic of Germany); Hellmer, H. H. and Absy, J. M.

On the near-bottom variability in the northwestern Weddell Sea: *in* Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL) (Muench, Robin D., editor; *et al.*),

Deep-Sea Research. Part II: Topical Studies in Oceanography, 49(21), p. 4767-4790, illus. incl. sketch maps, 36 ref., 2002.

57001374

Robertson, Robin (Lamont-Doherty Earth Observatory, Palisades, NY); Visbeck, Martin; Gordon, Arnold L. and Fahrbach, E.

Long-term temperature trends in the deep waters of the Weddell Sea: *in* Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL) (Muench, Robin D., editor; *et al.*),

Deep-Sea Research. Part II: Topical Studies in Oceanography, 49(21), p. 4791-4806, illus. incl. 2 tables, sketch map, 36 ref., 2002.

57001375

Schodlok, Michael P. (Alfred Wegener Institute for Polar- and Marine Research, Bremerhaven, Federal Republic of Germany); Hellmer, Hartmut H. and Beckmann, Aike. On the transport, variability and origin of dense water masses crossing the South Scotia Ridge: *in Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL)* (Muench, Robin D., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(21), p. 4807-4825, illus. incl. 1 table, 48 ref., 2002.

57001376

Matano, R. P. (Oregon State University, College of Oceanic and Atmospheric Sciences, Corvallis, OR); Gordon, A. L.; Muench, R. D. and Palma, E. D. A numerical study of the circulation in the northwestern Weddell Sea: *in Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL)* (Muench, Robin D., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(21), p. 4827-4841, illus. incl. sketch maps, 28 ref., 2002.

57001377

Muench, R. D. (Earth & Space Research, Seattle, WA); Padman, L.; Howard, S. L. and Fahrbach, E.

Upper ocean diapycnal mixing in the northwestern Weddell Sea: *in Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL)* (Muench, Robin D., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(21), p. 4843-4861, illus. incl. sketch maps, 35 ref., 2002.

57001378

Smith, David A. (NASA, Glenn Research Center, Cleveland, OH) and Klinck, John M. Water properties on the West Antarctic Peninsula continental shelf; a model study of effects of surface fluxes and sea ice: *in Deep Ocean Ventilation Through Antarctic Intermediate Layers (DOVETAIL)* (Muench, Robin D., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(21), p. 4863-4886, illus. incl. 3 tables, 39 ref., 2002.

57001379

Atkins, Edward G. and Engel, Larry.

Antarctica: Sesame Workshop, 29 p., illus. incl. sketch maps, 2001. NSF Grant No. OPP-0090495.

57001380

British Antarctic Survey.

Global science in the Antarctic context; British Antarctic Survey strategy to 2012: 12 p., illus., 2002. ISBN: 1855312131 Available from: British Antarctic Survey, Cambridge, United Kingdom.

57001381

Arnorsson, Stefan (University of Iceland, Science Institute, Reykjavik, Iceland); Gunnarsson, Ingvi; Stefansson, Andri; Andresdottir, Audur and Sveinbjornsdottir, Arný E. Major element chemistry of surface- and ground waters in basaltic terrain, N-Iceland; I, Primary mineral saturation: **Geochimica et Cosmochimica Acta**, 66(23), p. 4015-4046, illus. incl. 6 tables, geol. sketch map, 97 ref., December 2002.

57001382

Tamburini, Federica (Université de Neuchâtel, Institut de Géologie, Neuchâtel, Switzerland); Huon, Sylvain; Steinmann, Philipp; Grousset, Francis E.; Adatte, Thierry and Föllmi, Karl B.

Dysaerobic conditions during Heinrich events 4 and 5; evidence from phosphorus distribution in a North Atlantic deep-sea core: **Geochimica et Cosmochimica Acta**, 66(23), p. 4069-4083, illus. incl. 2 tables, sketch map, 77 ref., December 2002.

57001383

Henshaw, Tracey (British Antarctic Survey, Cambridge, United Kingdom) and Laybourn-Parry, Johanna.

The annual patterns of photosynthesis in two large, freshwater, ultra-oligotrophic Antarctic lakes: **Polar Biology**, 25(10), p. 744-752, illus. incl. 3 tables, sketch map, 37 ref., October 2002.

57001384

Meiners, Klaus (Institut für Polarökologie, Kiel, Federal Republic of Germany); Fehling, Johanna; Granskog, Mats A. and Spindler, Michael.

Abundance, biomass and composition of biota in Baltic sea ice and underlying water (March 2000): **Polar Biology**, 25(10), p. 761-770, illus. incl. 1 table, 58 ref., October 2002.

57001385

Skotnicki, M. L. (Australian National University, Photobioenergetics, Canberra, Australia); Bargagli, R. and Ninham, J. A.

Genetic diversity in the moss *Pohlia nutans* on geothermal ground of Mount Rittmann, Victoria Land, Antarctica: **Polar Biology**, 25(10), p. 771-777, illus., 29 ref., October 2002.

57001386

Pakhomov, E. A. (University of Fort Hare, Department of Zoology, Alice, South Africa); Kaehler, S. and McQuaid, C. D.

Zooplankton community structure in the kelp beds of the sub-Antarctic Prince Edward Archipelago; are they a refuge for larval stages?: **Polar Biology**, 25(10), p. 778-788, illus. incl. 3 tables, sketch map, 40 ref., October 2002.

57001387

Rosell Melé, Antoni (Autonomous University of Barcelona, ICREA and ICTA, Bellaterra, Spain); Jansen, Eystein and Weinelt, Mara.

Appraisal of a molecular approach to infer variations in surface ocean freshwater inputs into the North Atlantic during the last glacial: *in* From process studies to reconstruction of the palaeoenvironment; advances in palaeoceanography (Ganssen, Gerald, editor), **Global and Planetary Change**, 34(3-4), p. 143-152, illus. incl. sketch map, 48 ref., November 2002. *Meeting:* XXV assembly of the European Geophysical Society, special session, April 25-29, 2000, Nice, France.

57001388

Ivanova, Elena V. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Murdmaa, Ivar O.; Duplessy, Jean-Claude and Paterne, Martine.

Late Weichselian to Holocene paleoenvironments in the Barents Sea: *in* From process studies to reconstruction of the palaeoenvironment; advances in palaeoceanography (Ganssen, Gerald, editor), **Global and Planetary Change**, 34(3-4), p. 209-218, illus. incl. sects., 2 tables, sketch map, 20 ref., November 2002. *Meeting:* XXV assembly of the European Geophysical Society, special session, April 25-29, 2000, Nice, France.

57001389

Mortyn, P. Graham (Scripps Institution of Oceanography, Fresno, CA); Charles, Christopher D. and Hodell, David A.

Southern Ocean upper water column structure over the last 140 kyr with emphasis on the glacial terminations: *in* From process studies to reconstruction of the palaeoenvironment; advances in palaeoceanography (Ganssen, Gerald, editor), **Global and Planetary Change**, 34(3-4), p. 241-252, illus. incl. sketch map, 33 ref., November 2002. *Meeting:* XXV assembly of the European Geophysical Society, special session, April 25-29, 2000, Nice, France.

57001390

Bromwich, David H. (Ohio State University, Byrd Polar Research Center, Columbus, OH) and Cassano, John J., editors.

Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop: **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, 48 p., illus. incl. sketch map, May 2000. NSF Grant No. OPP-0084497.

57001391

Bromwich, David H. (Ohio State University, Byrd Polar Research Center, Columbus, OH). Executive summary: *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 1, May 2000. NSF Grant No. OPP-0084497.

57001393

Howard, George (SPAWAR, North Charleston, SC); Cayette, Art and Edele, Kenton.

Issues/problems (priorities): *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 3, May 2000. NSF Grant No. OPP-0084497.

57001394

Lazzara, Matthew (University of Wisconsin-Madison, Antarctic Meteorological Research Center, Madison, WI); Bernstein, Buzz; Lubin, Dan and Weidner, George.

Observational capabilities: *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 4-14, illus. incl. sketch map, May 2000. NSF Grant No. OPP-0084497.

57001395

Powell, Nicolas S. (Raytheon Polar Services Corporation, Englewood, CO).

Meteorological information technology: *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 15-20, illus., May 2000. NSF Grant No. OPP-0084497.

57001396

Braaten, David (University of Kansas, Department of Physics and Astronomy, Lawrence, KS); Parish, Thomas; Danks, Tony; Turner, John; Moyher, Marian; Edele, Kenton and Grumbine, Robert.

Training, skills, data and people: *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 21-24, May 2000. NSF Grant No. OPP-0084497.

57001397

Cassano, John J. (Ohio State University, Byrd Polar Research Center, Columbus, OH); Wegiel, Jerry; Bacon, David; Kuo, Bill; Muller, Bruce; Cayette, Art; Pendlebury, Steve and Coppola, Pier Francesco.

Numerical forecast models: *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 25-32, May 2000. NSF Grant No. OPP-0084497.

57001398

Lynch, Amanda (University of Colorado, CIRES/PAOS, Boulder, CO); Walden, Von; Gallée, Hubert; Klein, Thomas; Carleton, Andrew; Pettré, Paul; Murphy, Bradley; Yuan, Xiaojun and Reusch, David.

Complimentary research and process studies: *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 33-36, May 2000. NSF Grant No. OPP-0084497.

57001399

Bromwich, David H. (Ohio State University, Byrd Polar Research Center, Columbus, OH) and Cassano, John J.

RIME; a field program for advancing Antarctic weather prediction: *in* Recommendations to the National Science Foundation from the Antarctic weather forecasting workshop (Bromwich, David H., editor; *et al.*), **Miscellaneous Publication of the Byrd Polar Research Center**, Rep. No. M-420, p. 37-40, sketch map, May 2000. NSF Grant No. OPP-0084497.

57001400

Anonymous.

Maitri and environs, Antarctica: Survey of India, Calcutta, India, 1 sheet, physiographic map, 1:5,000, 1993.

57001401

Mangasarov, T. G. (Saint Petersburg Mining Institute, Saint Petersburg, Russian Federation) and Chistyakov, V. K.

Eksperimental'noe issledovanie vozmozhnosti ispol'zovaniia vodnogo rastvora etanola v kachestve bufernoi zhidkosti dlya vskrytiia skvazhinoi podlednikovogo ozera na stantsii "Vostok" [Experimental application of the ethanol water solution as a buffering liquid for drilling the ice sheet above a subglacial lake at Vostok Station]: **Sbornik Trudov Molodykh Uchenykh Sankt-Peterburgskogo Gosudarstvennogo Gornogo Instituta (Tekhnicheskogo Universiteta)**, 5, p. 26-29 (English sum.), illus., 1999.

57001402

Olsson, Ingrid U. (University of Uppsala, Department of Physics, Uppsala, Sweden).

Experiences of ^{14}C dating of samples from volcanic areas: *in* Proceedings of the Second international symposium; ^{14}C and archaeology (Mook, W. G., editor; *et al.*), **PACT (Strasbourg)**, 29, p. 213-223, illus. incl. 1 table, 38 ref., 1990. *Meeting*: Sept. 7-11, 1987, Groningen, Netherlands.

57001403

Seppala, M. (Univ. Helsinki, Dep. Geogr., Helsinki, Finland); Gray, J. and Ricard, J.

Development of low-centred ice-wedge polygons in the northernmost Ungava Peninsula, Québec, Canada: **Boreas**, 20(3), p. 259-282, illus. incl. 2 plates, 5 tables, strat. cols., 1 p. ref., 1991.

57001405

Parker, L. V. and Clark, C. H.

Study of five discrete interval-type groundwater sampling devices: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-02-12, 57 p., August 22, 2002. *Available from*: National Technical Information Service, (703)487-4650, order number ADA406027NEG, Springfield, VA, United States.

57001406

Duffy, P. B. (Lawrence Livermore National Laboratory, Climate and Carbon Cycle Modeling Group, Livermore, CA); Eby, M. and Weaver, A. J.

Climate model simulations of effects of increased atmospheric CO₂ and loss of sea ice on ocean salinity and tracer uptake: **Journal of Climate**, 14(4), p. 520-532, illus. incl. 3 tables, 29 ref., February 15, 2001.

57001407

Stokes, C. R. (University of Reading, Department of Geography, Reading, United Kingdom).

Identification and mapping of palaeo-ice stream geomorphology from satellite imagery; implications for ice stream functioning and ice sheet dynamics: **International Journal of Remote Sensing**, 23(8), p. 1557-1563, geol. sketch maps, 13 ref., April 20, 2002.

57001408

Conrad, L. J.

Bibliography of Antarctic exploration; expedition accounts from 1768 to 1960: Privately published, Washougal, WA, 424 p., 1999. ISBN: 0966962702.

57001409

Fiennes, Ranulph, editor.

The 1998 report on scientific work of the North and South polar expeditions of Fiennes, Shepard, Howell and Stroud, 1985-1993: Privately published, Exford, Devon, United Kingdom, 255 p., 1998.

57001410

Belicka, Laura L. (University of Maryland, Chesapeake Biological Laboratory, Solomons, MD); Macdonald, Robie W. and Harvey, H. Rodger.

Sources and transport of organic carbon to shelf, slope, and basin surface sediments of the Arctic Ocean: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 49(8), p. 1463-1483, illus. incl. 5 tables, 76 ref., August 2002.

57001411

Bonnin, Jérôme (Royal Netherlands Institute for Sea Research, Den Burg, Netherlands); van Raaphorst, Wim; Brummer, Geert-Jan; van Haren, Hans and Malschaert, Hans.

Intense mid-slope resuspension of particulate matter in the Faeroe-Shetland Channel; short-term deployment of near-bottom sediment traps: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 49(8), p. 1485-1505, illus. incl. sketch map, 52 ref., August 2002.

57001412

Grebmeier, Jackie M. (University of Tennessee, Department of Ecology and Evolutionary Biology, Knoxville, TN); Whittlestone, T. E.; Codispoti, Lou A.; Dunton, Ken H.; Walsh, John J.; Weingartner, Tom J. and Wheeler, Patricia A., editors.

Arctic system science-ocean-atmosphere-ice interactions; western Arctic shelf-basin interactions (SBI) science plan: Rep. No. 7, 65 p., illus. incl. sketch maps, 166 ref., February 1998. Available from: Old Dominion University, Center for Coastal Physical Oceanography,, Norfolk, VA, United States. Includes 3 appendices.

57001416

Kirkbride, Martin P. (University of Dundee, Department of Geography, Dundee, United Kingdom) and Dugmore, Andrew J.

Timing and significance of mid-Holocene glacier advances in northern and central Iceland: **JQS. Journal of Quaternary Science**, 16(2), p. 145-153, illus. incl. 1 table, strat. col., geol. sketch maps, 39 ref., February 2001. Includes appendix.

57001417

Hardardottir, Jorunn (University of Iceland, Science Institute, Reykjavik, Iceland); Geirsdottir, Aslaug and Sveinbjornsdottir, Arný E.

Seismostratigraphy and sediment studies of Lake Hestvatn, southern Iceland; implications for the deglacial history of the region: **JQS. Journal of Quaternary Science**, 16(2), p. 167-179, illus. incl. 4 tables, sketch map, 56 ref., February 2001. *lower Holocene*

57001418

Sejrup, H. P. (University of Bergen, Department of Geology, Bergen, Norway); Haflidason, H.; Flatebo, T.; Kristensen, D. Klitgaard; Grosfjeld, K. and Larsen, E.

Late-glacial to Holocene environmental changes and climate variability; evidence from Voldafjorden, western Norway: **JQS. Journal of Quaternary Science**, 16(2), p. 181-198, illus. incl. 2 tables, sketch map, 69 ref., February 2001. *Dinoflagellata, Foraminifera*

57001419

Andrews, John T. (University of Colorado, Department of Geological Sciences, Boulder, CO); Caseldine, Chris; Weiner, Nancy J. and Hatton, Jackie.

Late Holocene (ca. 4 ka) marine and terrestrial environmental change in Reykjarfjordur, North Iceland; climate and/or settlement?: **JQS. Journal of Quaternary Science**, 16(2), p. 133-143, illus. incl. 2 tables, sketch maps, 47 ref., February 2001. *Foraminifera, palynomorphs*

57001420

Nesje, Atle (University of Bergen, Department of Geology, Bergen, Norway) and Dahl, Svein Olaf.

The Greenland 8200 cal. yr BP event detected in loss-on-ignition profiles in Norwegian lacustrine sediment sequences: **JQS. Journal of Quaternary Science**, 16(2), p. 155-166, illus. incl. 4 tables, sketch map, 60 ref., February 2001.

57001421

Kiernan, Kevin (Forest Practices Board, Hobart, Tasmania, Australia); Lauritzen, S. E. and Duhig, N.

Glaciation and cave sediment aggradation around the margins of the Mt Field Plateau, Tasmania: **Australian Journal of Earth Sciences**, 48(2), p. 251-263, illus. incl. 3 tables, geol. sketch maps, 54 ref., April 2001.

57001422

Pandit, M. K. (Universidade Federal de Pernambuco, Department of Geology, Recife, Brazil); Sial, A. N.; Jamrani, S. S. and Ferreira, V. P.

Carbon isotopic profile across the Bilara Group rocks of Trans-Aravalli Marwar Supergroup in western India; implications for Neoproterozoic-Cambrian transition: *in* Special issue in honour of Prof. Masaru Yoshida (Santosh, M., editor; *et al.*), **Gondwana Research**, 4(3), p. 387-394, illus. incl. strat. col., 1 table, geol. sketch map, 47 ref., July 2001.

57001423

Braun, Matthias.

Ablation on the ice cap of King George Island (Antarctica); an approach from field measurements, modelling and remote sensing: 165 p., illus. incl. tables, Doctoral, 2001, Albert-Ludwigs-Universität Freiburg, Freiburg, Federal Republic of Germany.

57001424

Magilligan, F. J. (Dartmouth College, Department of Geography, Hanover, NH); Gomez, B.; Mertes, L. A. K.; Smith, L. C.; Smith, N. D.; Finnegan, D. and Garvin, J. B.

Geomorphic effectiveness, sandur development, and the pattern of landscape response during jökulhlaups; Skeidharársandur, southeastern Iceland: **Geomorphology**, 44(1-2), p. 95-113, illus. incl. 3 tables, geol. sketch maps, 59 ref., April 1, 2002.

57001425

Hattestrand, Clas (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden) and Stroeven, Arjen P.

A relict landscape in the centre of Fennoscandian glaciation; geomorphological evidence of minimal Quaternary glacial erosion: **Geomorphology**, 44(1-2), p. 127-143, illus. incl. 1 table, geol. sketch maps, 64 ref., April 1, 2002.

57001426

Stroeven, Arjen P. (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden); Fabel, Derek; Hattestrand, Clas and Harbor, Jon.
A relict landscape in the centre of Fennoscandian glaciation; cosmogenic radionuclide evidence of tors preserved through multiple glacial cycles: **Geomorphology**, 44(1-2), p. 145-154, illus. incl. 1 table, geol. sketch map, 23 ref., April 1, 2002.

57001427

Anonymous.

Extreme phenomena in cryosphere; basic and applied aspects; International conference abstracts—Ekstremal'nye kriosfernye iavleniiia; fundamental'nye i prikladnye aspekty; materialy mezhdunarodnoi konferentsii: Russian Academy of Sciences, Pushchino, Russian Federation, 327 p., (English, Russian), 2002. *Meeting*: 2002, Pushchino, Russian Federation. Individual abstracts are cited separately.

57001428

Horstmeyer, Steve (WKRC, Cincinnati, OH).

Balance of power; water molecules, energy and the world's hydrologic cycle: **Weatherwise**, 55(1), p. 30-34, illus., February 2002. Accessed on 24 July, 2002.

57001429

Anonymous.

Gladerunners: **New Scientist (1971)**, 175(2359), p. 34-37, illus., September 7, 2002.

57001430

Ma, Xieyao (Frontier Research System for Global Change, Kanazawa-Ku, Japan) and Fukushima, Yoshihiro.

A numerical model of the river freezing process and its application to the Lena River: *in* Japan Society of Hydrology and Water Resources (Yamashiki, Yosuke, editor), **Hydrological Processes**, 16(11), p. 2131-2140, illus. incl. 2 tables, sketch map, 35 ref., August 15, 2002. (Third volume of Japanese special issue).

57001431

Takata, Kumiko (Frontier Research System for Global Change, Kanazawa-ku, Japan).

Sensitivity of land surface processes to frozen soil permeability and surface water storage: *in* Japan Society of Hydrology and Water Resources (Yamashiki, Yosuke, editor), **Hydrological Processes**, 16(11), p. 2155-2172, illus. incl. 2 tables, 51 ref., August 15, 2002. (Third volume of Japanese special issue).

57001432

Hashimoto, Shigemasa (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Chikusa-Ku, Japan); Zhou, Shiqiao; Nakawo, Masayoshi; Sakai, Akiko; Ageta, Yutaka; Ishikawa, Nobuyoshi and Narita, Hideki.

Isotope studies of inner snow layers in a temperate region: *in* Japan Society of Hydrology and Water Resources (Yamashiki, Yosuke, editor), **Hydrological Processes**, 16(11), p. 2209-2220, illus., 20 ref., August 15, 2002. (Third volume of Japanese special issue).

57001433

Bol'shianov, D. Iu.; Svyashchennikov, P. N.; Fedorov, G. B.; Pavlov, M. V. and Tereben'ko, A. V.

Izmeneniiia klimata Arktiki za poslednie 10,000 let [Climate change in the Arctic region during the last 10,000 years]: **Izvestiia Russkogo Geograficheskogo Obshchestva**, 134(1), p. 20-27, 88 (English sum.), illus. incl. 2 tables, sketch map, 10 ref., February 2002.

57001434

Chistyakov, K. V.; Seliverstov, Iu. P. and Moskalenko, I. G.

Geomorfologicheskie aspeki sovremennoi aktivizatsii glyatsiologicheskikh i geokriologicheskikh protsessov iugo-vostochnogo Altaia i zapadnoi Tuvy [Geomorphological aspects of modern activation of glaciological and cryopedological processes in southeastern Altai and western Tuva]: **Izvestiia Russkogo Geograficheskogo Obshchestva**, 134(1), p. 28-36, 88 (English sum.), sketch maps, 20 ref., February 2002.

57001435

Leuenberger, M. (University of Bern, Climate and Environmental Physics, Bern, Switzerland) and Huber, C.

On-line determination of oxygen isotope ratios of water or ice by mass spectrometry: **Analytical Chemistry (Washington, DC)**, 74(18), p. 4611-4617, illus. incl. 2 tables, September 15, 2002.

57001436

Gagnon, Alexandre S. (University of Toronto, Department of Geography, Toronto, ON, Canada) and Gough, William A.

Hydro-climatic trends in the Hudson Bay region, Canada: **Canadian Water Resources Journal = Revue Canadienne des Ressources en Eau**, 27(3), p. 245-262 (French sum.), illus. incl. 4 tables, sketch map, 20 ref., 2002.

57001437

Paultre, Patrick (University of Sherbrooke, Department of Civil Engineering, Sherbrooke, PQ, Canada); Proulx, Jean and Carboneau, Charles.

An experimental evaluation of ice cover effects on the dynamic behaviour of a concrete gravity dam: **Earthquake Engineering & Structural Dynamics**, 31(12), p. 2067-2082, illus. incl. block diag., 1 table, 8 ref., December 2002.

57001438

Bouaanani, Najib (University of Sherbrooke, Department of Civil Engineering, Sherbrooke, PQ, Canada); Paultre, Patrick and Proulx, Jean.

Two-dimensional modelling of ice cover effects for the dynamic analysis of concrete gravity dams: **Earthquake Engineering & Structural Dynamics**, 31(12), p. 2083-2102, illus. incl. sects., 15 ref., December 2002.

57001439

Chown, Marcus.

Did hot young Sun melt Mars?: **New Scientist (1971)**, 176(2365), p. 23, illus., October 19, 2002.

57001440

Chandler, David L.

Cracking Europa's ice mask: **New Scientist (1971)**, 176(2365), p. 24-25, October 19, 2002.

57001441

Hecht, Jeff.

Pluto gives the Sun a warm goodbay: **New Scientist (1971)**, 176(2365), p. 25, October 19, 2002.

57001442

Hecht, Jeff.

Titan probe could find a world of wildness: **New Scientist (1971)**, 176(2365), p. 25, October 19, 2002.

57001443

Garagulya, L. S. (Moskovskii Gosudarstvennyy Universitet im. M. V. Lomonosova, Moscow, Russian Federation) and Gordeeva, G. I.

Ekologicheskaiia rol' tolshch mnogoletnemernykh porod [Ecological role of permafrost]: **Geoekologiya: Inzhenernaia Geologiia. Gidrogeologiia. Geokriologiya**, 2002(5), p. 403-410, 2 tables, sketch map, 17 ref., October 2002.

57001444

Herrmann, Anke (Swedish University of Agricultural Sciences, Department of Soil Sciences, Uppsala, Sweden) and Witter, Ernst.

Sources of C and N contributing to the flush in mineralization upon freeze-thaw cycles in soils: **Soil Biology & Biochemistry**, 34(10), p. 1495-1505, illus. incl. 4 tables, 38 ref., October 2002.

57001445

Danilov, I. D. (Moscow State University, Moscow, Russian Federation); Konovalov, A. A. and Vlasenko, A. Yu.

Modeling of the effects of transgression-regression cycles in the history of Arctic shelf evolution on the formation of gas hydrate and ground ice bodies: **Moscow University Geology Bulletin = Vestnik Moskovskogo Universiteta. Geologiya**, 56(5), p. 64-72, 2 tables, 24 ref., 2001.

57001446

Kalinin, A. V. (Moscow State University, Moscow, Russian Federation); Kazanin, A. G.; Tokarev, M. Yu. and Shalaeva, N. V.

Amplitudes of converted waves in the seismogeologic environment of Arctic Sea shelves: **Moscow University Geology Bulletin = Vestnik Moskovskogo Universiteta. Geologiya**, 56(5), p. 73-80, illus. incl. 3 tables, 4 ref., 2001.

57001447

Hall, Dorothy K. (National Aeronautics and Space Administration, Goddard Space Flight Center, Hydrological Sciences Branch, Greenbelt, MD); Riggs, George A.; Salomonson, Vincent V.; DiGirolamo, Nicolo E. and Bayr, Klaus J.

MODIS snow-cover products: *in* The moderate resolution imaging spectroradiometer (MODIS); a new generation of land surface monitoring (Justice, Christopher O., editor; *et al.*), **Remote Sensing of Environment**, 83(1-2), p. 181-194, illus., 27 ref., November 2002.

57001448

Frind, E. O. (University of Waterloo, Department of Earth Sciences, Waterloo, ON, Canada); Muhammad, D. S. and Molson, J. W.

Delineation of three-dimensional well capture zones for complex multi-aquifer systems: **Ground Water**, 40(6), p. 586-598, illus. incl. 1 table, sketch map, 48 ref., December 2002.

57001449

Allibone, Andrew (Etheridge Henley Williams Geoscience Consultants, Deakin West, Australia) and Wilson, Scott.

Evidence of glacial activity at Mt. Allen, southern Stewart Island, New Zealand: **New Zealand Journal of Geology and Geophysics**, 40(2), p. 151-155, illus., 21 ref., 1997.

57001450

Bart, Philip J. (Louisiana State University, Department of Geology and Geophysics, Baton Rouge, LA).

Did the Antarctic ice sheets expand during the early Pliocene? [abstr.]: *in* Geological Society of America, 2000 annual meeting, **Abstracts with Programs - Geological Society of America**, 32(7), p. 218, 2000. *Meeting*: Nov. 9-18, 2000, Reno, NV.

57001451

Christensen, Beth A. (Furman University, Department of Earth and Environmental Sciences, Greenville, SC); Kalbas, J. E.; Maslin, M. and Murray, R. W.

Deep water connections between the hemispheres during the intensification of Northern Hemisphere glaciation; evidence from ODP Leg 175 Site 1085 [abstr.]: *in* Geological Society of America, 2000 annual meeting, **Abstracts with Programs - Geological Society of America**, 32(7), p. 218, 2000. *Meeting*: Nov. 9-18, 2000, Reno, NV.

57001452

Hemming, Sidney R. (Lamont-Doherty Earth Observatory, Department of Earth and Environmental Sciences, Palisades, NY).

Ages of individual hornblende above and below Heinrich layer 2, core V23-14, Northwest Atlantic Ocean [abstr.]: *in* Geological Society of America, 2000 annual meeting, **Abstracts with Programs - Geological Society of America**, 32(7), p. 218, 2000. *Meeting*: Nov. 9-18, 2000, Reno, NV.

57001453

Rudels, Bert (Alfred-Wegener-Institut für Polar- and Meeresforschung, Bremerhaven, Federal Republic of Germany); Bjork, Goran; Muench, Robin D. and Schauer, Ursula.

Double-diffusive layering in the Eurasian Basin of the Arctic Ocean: *in* Marine turbulence revisited; selected papers from the 29th international Liege colloquium on Ocean hydrodynamics (Beckers, Jean-Marie, editor), **Journal of Marine Systems**, 21(1-4), p. 3-27, illus. incl. sketch map, 41 ref., June 1999. *Meeting*: May 5-9, 1997, Liege, Belgium.

57001454

Dewey, Richard (University of Victoria, Victoria, BC, Canada); Muench, Robin D. and Gunn, John.

Mixing and vertical heat flux estimates in the Arctic Eurasian Basin: *in* Marine turbulence revisited; selected papers from the 29th international Liege colloquium on Ocean hydrodynamics (Beckers, Jean-Marie, editor), **Journal of Marine Systems**, 21(1-4), p. 199-205, illus. incl. sketch maps, 10 ref., June 1999. *Meeting*: May 5-9, 1997, Liege, Belgium.

57001455

van Dam, Gerrit C. (Aqua Systems International, Poeldij, Netherlands); Ozmidov, Rostislav V.; Korotenko, Konstantin A. and Suijlen, Jo M.

Spectral structure of horizontal water movement in shallow seas with special reference to the North Sea, as related to the dispersion of dissolved matter: *in* Marine turbulence revisited; selected papers from the 29th international Liege colloquium on Ocean hydrodynamics (Beckers, Jean-Marie, editor), **Journal of Marine Systems**, 21(1-4), p. 207-228, illus., 38 ref., June 1999. Meeting: May 5-9, 1997, Liege, Belgium.

57001456

Kröncke, Ingrid (Senckenberg Institute, Department for Marine Research, Wilhelmshaven, Federal Republic of Germany); Vanreusel, Ann; Vincx, Magda; Wollenburg, Jutta; Mackensen, Andreas; Liebezeit, Gerd and Behrends, Brigitte.

Different benthic size-compartments and their relationships to sedimentary chemistry in the deep Eurasian Arctic Ocean: **Marine Ecology. Progress Series (Halstenbek)**, 199, p. 31-41, illus. incl. 6 tables, sketch map, 57 ref., 2000, [June 26, 2000].

57001457

Turcotte, D. L. (Cornell University, Department of Geological Sciences, Ithaca, NY) and Haselton, K.

A dynamical systems approach to flood-frequency forecasting: *in* Reduction and predictability of natural disasters; proceedings of the workshop (Rundle, John B., editor; *et al.*), *in the collection* Studies in the Sciences of Complexity. Addison-Wesley Publishing Company, Reading, MA, 25, p. 51-70, illus. incl. 2 tables, sketch maps, 15 ref., 1996. Meeting: Jan. 5-9, 1994, Santa Fe, NM.

57001458

Feller, Georges; d'Amico, Dominique and Gerday, Charles.

Thermodynamic stability of a cold-active alpha-amylase from the Antarctic bacterium Alteromonas haloplanctis: **Biochemistry (Easton)**, 38(14), p. 4613-4619, illus. incl. tables, 1999.

57001459

Convey, P.

How does cold constrain life cycles of terrestrial plants and animals?: **Cryo-letters**, 21(2), p. 73-82, 2000.

57001460

Montiel, Pedro O.

Soluble carbohydrates (trehalose in particular) and cryoprotection in polar biota: **Cryo-letters**, 21(2), p. 83-90, illus. incl. tables, 2000.

57001461

Worland, M. Roger; Convey, Peter and Lukesova, Alena.

Rapid cold hardening; a gut feeling: **Cryo-letters**, 21(2), p. 315-324, illus. incl. 1 table, 2000.

57001540

Kenny, J. A. (Auckland Institute and Museum, New Zealand) and Hayward, B. W.

Inventory of important geological sites and landforms in the Southland region including the subantarctic islands: **Geological Society of New Zealand Miscellaneous Publication**, Rep. No. 78, 45 p., 1993. ISBN: 0-908678-43-6.

57001541

Armour, Jake (University of New Mexico, Department of Earth and Planetary Sciences, Albuquerque, NM) and Fawcett, Peter J.

A late Quaternary climate record from alpine catchments in the southern Sangre de Cristo Mountains of northern New Mexico [abstr.]: *in* New Mexico Geological Society spring meeting, **New Mexico Geology**, 22(2), p. 41, May 2000. *Meeting:* April 7, 2000, Socorro, NM.

57001542

Deutsch, Alexander (Westfälische Wilhelms-Universität Münster, Institut für Planetologie, Munster, Federal Republic of Germany); Masaitis, Victor L.; Langenhorst, Falko and Grieve, Richard A. F.

Popigai, Siberia; well preserved giant impact structure, national treasury, and world's geological heritage: **Episodes**, 23(1), p. 3-11, illus. incl. 1 table, 42 ref., March 2000.

57001543

Rapport, David J. (University of Guelph, College Faculty of Environmental Design and Rural Development, Guelph, ON, Canada); Hilden, Mikael and Weppling, Kjell.

Restoring the health of the earth's ecosystems; a new challenge for the earth sciences: **Episodes**, 23(1), p. 12-19, illus. incl. 2 tables, 72 ref., March 2000.

57001544

Di Prisco, Guido.

Life style and biochemical adaptation in Antarctic fishes: *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, A., editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 253-265, illus. incl. tables, 2000. *Meeting:* May 4-8, 1998, Liege, Belgium.

57001545

Goela, R. K. (Government College, Post Graduate Geology Department, Narnaul, India).

Impact human interference on fragile ecology of the Himalayas [abstr.]: *in* Proceedings of the Eighty sixth annual session of the Indian Science Congress Association, **Proceedings of the Indian Science Congress**, 86(4), p. 47-48, 1999. *Meeting:* Jan. 3-7, 1999, Chennai, India.

57001546

Vasil'ev, A. G. (Sankt-Peterburgskii Gornyy Institut, Saint Petersburg, Russian Federation) and Pronin, E. M.

Usloviia primeneniiia l'doporodnoi zakladki na mestorozhdeniiakh tsvetnykh metallov i zolota Severo-Vostoka Rossii [Application of ice-rock mixtures during exploitation of polymetallic and gold deposits in northeastern Russia]: **Fizicheskie Protsessy Gornogo Proizvodstva**, 24, p. 66-68, 1995.

57001547

Smirnov, Iu. M. (Sankt-Peterburgskii Gornyy Institut, Saint Petersburg, Russian Federation) and Shuvalov, Iu. V.

Vliianie otnositel'noi vlazhnosti vozdukha na effektivnost' i bezopasnost' truda gornorabochikh [Influence of air humidity on safety and productivity of underground mines]: **Fizicheskie Protsessy Gornogo Proizvodstva**, 24, p. 69-72, 3 ref., 1995.

57001548

Smirnov, Iu. M. (Sankt-Peterburgskii Gornyy Institut, Saint Petersburg, Russian Federation).

Vliianie temperatury vozdukha na proizvogitel'nost' truda, proizvodstvennyy travmatizm i zabolеваemost' gornorabochikh v usloviakh rudnikov Noril'skogo GMK [Influence of air temperature on productivity, safety and health of miners in Norilsk underground mines]: **Fizicheskie Protsessy Gornogo Proizvodstva**, 24, p. 73-78, illus., 7 ref., 1995.

57001549

Gandler, S. G. (Sankt-Peterburgskii Gornyy Institut, Saint Petersburg, Russian Federation) and Kas'ian, I. V.

Metodicheskie osnovy prognoza kholodopotrebnosti ugol'nykh shakht Rossii [Prediction of necessary air cooling in Russian underground coal mines]: **Fizicheskie Protsessy Gornogo Proizvodstva**, 24, p. 79-85, illus. incl. table, 1995.

57001550

Howard, G.; Soons, J. M. and Whitehouse, I. E. J.

Late Quaternary geomorphology of the upper Rakaia and Waimakiriri valleys: *in Geological Society of New Zealand, Christchurch, December 9th-13th 1985; field trip guides, Geological Society of New Zealand Miscellaneous Publication*, Rep. No. 32B, p. 71-111, 1985.

57001551

Bondevik, Stein (University of Tromso, Department of Geology, Tromso, Norway); Mangerud, Jan and Gulliksen, Steinar.

The marine ^{14}C age of the Vedde ash bed along the west coast of Norway: **JQS. Journal of Quaternary Science**, 16(1), p. 3-7, illus. incl. 1 table, 19 ref., January 2001.

57001552

Chiverrell, R. C. (University of Liverpool, Department of Geography, Liverpool, United Kingdom).

A proxy record of late Holocene climate change from May Moss, Northeast England: **JQS. Journal of Quaternary Science**, 16(1), p. 9-29, illus. incl. 1 table, geol. sketch map, 73 ref., January 2001.

57001553

Caspers, Gerfried (Niedersächsisches Landesamt für Bodenforschung, Hanover, Federal Republic of Germany) and Freund, Holger.

Vegetation and climate in the early- and pleni-Weichselian in northern Central Europe: **JQS. Journal of Quaternary Science**, 16(1), p. 31-48, illus. incl. 2 tables, geol. sketch maps, 80 ref., January 2001.

57001554

Lehmkuhl, Frank (Universität, Göttingen, Geographisches Institut, Gottingen, Federal Republic of Germany) and Lang, Andreas.

Geomorphological investigations and luminescence dating in the southern part of the Khangay and the Valley of the Gobi lakes (central Mongolia): **JQS. Journal of Quaternary Science**, 16(1), p. 69-87, illus. incl. 5 tables, geol. sketch maps, 76 ref., January 2001.

57001555

Lee, Jai-Young (University of Seoul, Department of Environmental Engineering, Seoul, South Korea) and Lee, Song.

The frost penetration with the modified soil in the landfill bottom liner system: **Geosciences Journal (Seoul)**, 6(1), p. 7-12, illus. incl. 2 tables, 14 ref., March 2002.

57001556

Cantrill, David and Poole, Imogen.

Fossilised forests in a frozen land: **NERC News**, 2002(Spring), p. 18-20, illus., 2002.

57001557

Costello, R. Richard and Doran, Peter T.

A comparison of tethered research diving in Lake Hoare, Taylor Valley, Antarctica, using a surface-supplied air source and scuba: *in* Cold water diving for science (Jewett, Stephen C., editor), University of Alaska Sea Grant, Fairbanks, AK, p. 27-30, 2001.

57001558

Gibson, John A. E.; Gore, Damian B. and Kaup, Enn.

Algae River; an extensive drainage system in the Bunger Hills, East Antarctica: **Polar Record**, 38(205), p. 141-152, 2002.

57001559

Bergstrom, Sten (Swedish Meteorological and Hydrological Institute, Norrkoping, Sweden); Lindstrom, Goran and Pettersson, Anna.

Multi-variable parameter estimation to increase confidence in hydrological modelling: *in* The future of distributed hydrological modelling (Beven, Keith J., editor; *et al.*), **Hydrological Processes**, 16(2), p. 413-421, illus. incl. 1 table, 31 ref., February 15, 2002. *Meeting*: April 2000, Leuven, Belgium.

57001560

Stenni, B. (Universita di Trieste, Dipartimento di Scienze Geologiche, Trieste, Italy);

Proposito, M.; Gragnani, R.; Flora, O.; Jouzel, J.; Falourd, S. and Frezzotti, M.

Eight centuries of volcanic signal and climate change at Talos Dome (East Antarctica): **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 14 p., illus. incl. 3 tables, 87 ref., May 27, 2002.

57001561

Zängl, Günther (University of Munich, Meteorological Institute, Munich, Federal Republic of Germany).

Dynamical heating in the polar lower stratosphere and its impact on the tropopause: **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 10 p., illus. incl. 1 table, 37 ref., May 27, 2002.

57001562

Stone, Robert S. (University of Colorado at Boulder, Cooperative Institute for Research in Environmental Sciences, Boulder, CO); Dutton, Ellsworth G.; Harris, Joyce M. and Longnecker, David.

Earlier spring snowmelt in northern Alaska as an indicator of climate change: **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 15 p., illus. incl. 2 tables, 50 ref., May 27, 2002.

57001563

Sokratov, Sergey A. (University of Colorado at Boulder, Cooperative Institute for Research in Environmental Sciences, Boulder, CO) and Barry, Roger G.

Intraseasonal variation in the thermoinsulation effect of snow cover on soil temperatures and energy balance: **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 7 p., illus., 56 ref., May 27, 2002.

57001564

Herber, Andreas (Alfred Wegener Institute, Foundation for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Thomason, Larry W.; Gernhardt, Hartwig; Leiterer, Ulrich; Nagel, Dagmar; Schulz, Karl-Heinz; Kaptur, Jasmine; Albrecht, Torsten and Notholt, Justus.

Continuous day and night aerosol optical depth observations in the Arctic between 1991 and 1999: **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 9 p., illus. incl. 4 tables, geol. sketch map, 56 ref., May 27, 2002.

57001565

Lohmann, U. (Dalhousie University, Department of Physics and Atmospheric Science, Halifax, NS, Canada) and Kärcher, B.

First interactive simulations of cirrus clouds formed by homogeneous freezing in the ECHAM general circulation model: **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 14 p., illus. incl. 2 tables, 44 ref., May 27, 2002.

57001566

Ford, Kevin M. (Purdue University, Departments of Chemistry and Earth and Atmospheric Sciences, West Lafayette, IN); Campbell, Bradley M.; Shepson, Paul B.; Bertman, Steven B.; Honrath, Richard E.; Peterson, Matt and Dibb, Jack E.

Studies of peroxyacetyl nitrate (PAN) and its interaction with the snowpack at Summit, Greenland: **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 11 p., illus., 36 ref., May 27, 2002.

57001567

Nedoluha, Gerald E. (Naval Research Laboratory, Washington, DC); Bevilacqua, Richard M.; Hoppel, Karl W.; Lumpe, Jerry D. and Smit, Herman.

Polar Ozone and Aerosol Measurement III measurements of water vapor in the upper troposphere and lowermost stratosphere: **Journal of Geophysical Research, D, Atmospheres**, 107(9-10), 11 p., illus. incl. 1 table, 28 ref., May 27, 2002.

57001568

Yang Guifang (China University of Geosciences, Faculty of Earth Sciences, Wuhan, China); Yin Hongfu and Li Changan.

Study on paleoenvironment since late glacial epoch in Lanzhou area, China: **Journal of China University of Geosciences**, 13(1), p. 40-43, illus. incl. 1 table, 9 ref., March 2002.

57001569

Stendel, M. (Danish Meteorological Institute, Copenhagen, Denmark) and Christensen, J. H.

Impact of global warming on permafrost conditions in a coupled GCM: **Geophysical Research Letters**, 29(13), 4 p., illus. incl. geol. sketch maps, 23 ref., July 1, 2002.

57001570

Rao, Y. R. (National Water Research Institute, Burlington, ON, Canada); Murthy, C. R.; McCormick, M. J.; Miller, G. S. and Saylor, J. H.

Observations of circulation and coastal exchange characteristics in southern Lake Michigan during 2000 winter season: **Geophysical Research Letters**, 29(13), 4 p., illus. incl. 1 table, geol. sketch map, 9 ref., July 1, 2002.

57001571

Cockell, Charles S. (British Antarctic Survey, Cambridge, United Kingdom); Lee, Pascal; Osinski, Gordon; Horneck, Gerda and Broady, Paul.

Impact-induced microbial endolithic habitats: **Meteoritics & Planetary Science**, 37(10), p. 1287-1298, illus. incl. 1 table, geol. sketch map, 43 ref., October 2002.

57001572

Polyak, L. (Ohio State University, Byrd Polar Research Center, Columbus, OH); Gataullin, V.; Gainanov, V.; Gladyshev, V. and Goremykin, Yu.

Kara Sea expedition yields insight into extent of LGM ice sheet: **Eos, Transactions, American Geophysical Union**, 83(46), p. 525, 529, illus. incl. sects., geol. sketch map, 10 ref., November 12, 2002.

57001573

Bjelland, Torbjorg (University of Bergen, Department of Botany, Bergen, Norway) and Thorseth, Ingunn H.

Comparative studies of the lichen-rock interface of four lichens in Vingen, western Norway: **Chemical Geology**, 192(1-2), p. 81-98, illus. incl. 7 tables, 79 ref., December 16, 2002.

57001574

Smith, Bernard J. (Queen's University of Belfast, School of Geography, Belfast, United Kingdom); Wright, Janet S. and Whalley, W. Brian.

Sources of non-glacial, loess-size quartz silt and the origins of "desert loess": **Earth-Science Reviews**, 59(1-4), p. 1-26, illus., 165 ref., November 2002.

57001575

Williams, John W. (University of California at Santa Barbara, National Center for Ecological Analysis and Synthesis, Santa Barbara, CA).

Variations in tree cover in North America since the last glacial maximum: **Global and Planetary Change**, 35(1-2), p. 1-23, illus. incl. 2 tables, sketch maps, 117 ref., January 2003.

57001576

De Deckker, P. (Australian National University, Department of Geology, Canberra, Australia); Tapper, N. J. and van der Kaars, S.

The status of the Indo-Pacific Warm Pool and adjacent land at the last glacial maximum: **Global and Planetary Change**, 35(1-2), p. 25-35, illus. incl. 1 table, sketch maps, 72 ref., January 2003.

57001577

Zheng Hongbo (Tongji University, Laboratory of Marine Geology, Shanghai, China); Powell, Chris McA. and Zhao Hua.

Elolian and lacustrine evidence of late Quaternary palaeoenvironmental changes in southwestern Australia: **Global and Planetary Change**, 35(1-2), p. 75-92, illus. incl. sects., 4 tables, sketch map, 38 ref., January 2003. Univ. West. Aust., Tectonics Spec. Res. Cent., Publ. No. 179.

57001578

Motyka, Roman J. (University of Alaska Fairbanks, Geophysical Institute, Fairbanks, AK); O'Neil, Shad; Connor, Cathy L. and Echelmeyer, Keith A.

Twentieth century thinning of Mendenhall Glacier, Alaska, and its relationship to climate, lake calving, and glacier run-off: **Global and Planetary Change**, 35(1-2), p. 93-112, illus. incl. 1 table, sketch maps, 39 ref., January 2003.

57001579

Loubere, Paul (Northern Illinois University, Department of Geology and Environmental Geosciences, De Kalb, IL).

Remote vs. local control of changes in eastern equatorial Pacific bioproductivity from the last glacial maximum to the present: **Global and Planetary Change**, 35(1-2), p. 113-126, illus. incl. 4 tables, sketch maps, 32 ref., January 2003. Includes appendix.

57001580

Maloof, Adam C. (Harvard University, Department of Earth and Planetary Sciences, Cambridge, MA); Kellogg, James B. and Anders, Alison M.

Neoproterozoic sand wedges; crack formation in frozen soils under diurnal forcing during a snowball Earth: **Earth and Planetary Science Letters**, 204(1-2), p. 1-15, illus. incl. 1 table, 72 ref., November 30, 2002.

57001581

Schouten, Stefan (Royal Netherlands Institute for Sea Research, Department of Marine Biogeochemistry and Toxicology, Den Burg, Netherlands); Hopmans, Ellen C.; Schefuss, Enno and Sinninghe Damsté, Jaap S.

Distributional variations in marine crenarchaeotal membrane lipids; a new tool for reconstructing ancient sea water temperatures?: **Earth and Planetary Science Letters**, 204(1-2), p. 265-274, illus. incl. sketch map, 31 ref., November 30, 2002. NIOZ Contrib. No. 3730.

57001582

Bender, Michael L. (Princeton University, Department of Geosciences, Princeton, NJ).

Orbital tuning chronology for the Vostok climate record supported by trapped gas composition: **Earth and Planetary Science Letters**, 204(1-2), p. 275-289, illus. incl. 1 table, 57 ref., November 30, 2002.

57001583

Vallelonga, P. (Curtin University of Technology, Department of Applied Physics, Perth, West. Aust., Australia); van de Velde, K.; Candelone, J. P.; Morgan, V. I.; Boutron, C. F. and Rosman, K. J. R.

The lead pollution history of Law Dome, Antarctica, from isotopic measurements on ice cores; 1500 AD to 1989 AD: **Earth and Planetary Science Letters**, 204(1-2), p. 291-306, illus. incl. 3 tables, sketch map, 55 ref., November 30, 2002.

57001584

Noshiro, Shuichi (Forestry and Forest Products Research Institute, Ibaraki, Japan); Suzuki, Mitsuo and Tsuji, Sei-ichiro.

Three buried forests of the last glacial stage and middle Holocene at Ooyazawa on northern Honshu Island of Japan: **Review of Palaeobotany and Palynology**, 122(3-4), p. 155-169, illus. incl. 2 plates, 3 tables, sketch map, 37 ref., November 2002.

57001585

Polyakov, Igor; Akasofu, Syun-Ichi; Bhatt, Uma; Colony, Roger; Ikeda, Motoyoshi; Makshtas, Alexander; Swingley, Chris; Walsh, David and Walsh, John.
Trends and variations in Arctic climate system: **Eos, Transactions, American Geophysical Union**, 83(47), p. 547-548, illus., 8 ref., November 19, 2002.

57001586

Adkins, Jess F. (California Institute of Technology, Department of Geological and Planetary Sciences, Pasadena, CA); McIntyre, Katherine and Schrag, Daniel P.
The salinity, temperature, and $\delta^{18}\text{O}$ of the glacial deep ocean: **Science**, 298(5599), p. 1769-1773, illus. incl. 1 table, 52 ref., November 29, 2002.

57001587

Boyle, Ed (Massachusetts Institute of Technology, Department of Earth, Atmospheric, and Planetary Sciences, Cambridge, MA).
Oceanic salt switch: **Science**, 298(5599), p. 1724-1725, 16 ref., November 29, 2002.

57001588

Ikeda, Takashi (University of Tokyo, Department of Earth and Planetary Science, Tokyo, Japan) and Tajika, Eiichi.
Carbon cycling and climate change during the last glacial cycle inferred from the isotope records using an ocean biogeochemical carbon cycle model: *in* Clastic sedimentology of climate changes (Fard, Amir Mokhtari, editor), **Global and Planetary Change**, 35(1-2), p. 131-141, illus. incl. 2 tables, 42 ref., January 2003.

57001589

Irino, T. (University of Tokyo, Geological Institute, Tokyo, Japan) and Tada, R.
High-resolution reconstruction of variation in aeolian dust (Kosa) deposition at ODP Site 797, the Japan Sea, during the last 200 ka: *in* Clastic sedimentology of climate changes (Fard, Amir Mokhtari, editor), **Global and Planetary Change**, 35(1-2), p. 143-156, illus. incl. 2 tables, geol. sketch map, 37 ref., January 2003.

57001590

Starkel, Leszek (Polish Academy of Sciences, Department of Geomorphology and Hydrology, Cracow, Poland).
Younger Dryas-Preboreal transition documented in the fluvial environment of Polish rivers: *in* Clastic sedimentology of climate changes (Fard, Amir Mokhtari, editor), **Global and Planetary Change**, 35(1-2), p. 157-167, illus. incl. sects., sketch maps, 54 ref., January 2003. *diatoms, pollen*

57001591

Barry, Roger G. (University of Colorado, Department of Geography, Boulder, CO) and Seimon, Anton.
Research for mountain area development; climatic fluctuations in the mountains of the Americas and their significance: *in* Research for mountain area development; the Americas (Sonesson, Mats, chairperson), **Ambio**, 29(7), p. 364-370, illus., 73 ref., November 2000. *Meeting: Mountain area seminar, 1999, Abisko, Sweden.*

57001592

Luckman, Brian (University of Western Ontario, Department of Geography, London, ON, Canada) and Kavanagh, Trudy.

Impact of climate fluctuations on mountain environments in the Canadian Rockies: *in Research for mountain area development; the Americas* (Sonesson, Mats, chairperson), **Ambio**, 29(7), p. 371-380, illus., 37 ref., November 2000. *Meeting:* Mountain area seminar, 1999, Abisko, Sweden.

57001593

Slaymaker, Olav (University of British Columbia, Department of Geography, Vancouver, BC, Canada).

Assessment of the geomorphic impacts of forestry in British Columbia: *in Research for mountain area development; the Americas* (Sonesson, Mats, chairperson), **Ambio**, 29(7), p. 381-387, illus. incl. geol. sketch maps, 46 ref., November 2000. *Meeting:* Mountain area seminar, 1999, Abisko, Sweden.

57001594

Sveinbjornsson, Bjartmar (University of Anchorage, Department of Biological Sciences, Anchorage, AK).

North American and European treelines; external forces and internal processes controlling position: *in Research for mountain area development; the Americas* (Sonesson, Mats, chairperson), **Ambio**, 29(7), p. 388-395, illus., 83 ref., November 2000. *Meeting:* Mountain area seminar, 1999, Abisko, Sweden.

57001595

Bowman, William D. (University of Colorado, Department of EPO Biology, Boulder, CO).

Biotic controls over ecosystem response to environmental change in alpine tundra of the Rocky Mountains: *in Research for mountain area development; the Americas* (Sonesson, Mats, chairperson), **Ambio**, 29(7), p. 396-400, illus., 43 ref., November 2000. *Meeting:* Mountain area seminar, 1999, Abisko, Sweden.

57001596

Francou, Bernard (Institut de Recherche pour le Developpement, Quito, Ecuador); Ramirez, Edson; Cáceres, Bolívar and Mendoza, Javier.

Glacier evolution in the tropical Andes during the last decades of the 20th century; Chacaltaya, Bolivia, and Antizana, Ecuador: *in Research for mountain area development; the Americas* (Sonesson, Mats, chairperson), **Ambio**, 29(7), p. 416-422, illus. incl. geol. sketch map, 26 ref., November 2000. *Meeting:* Mountain area seminar, 1999, Abisko, Sweden.

57001669

Iriarte, José Luis (Universidad Austral de Chile, Facultad de Pesquerías y Oceanografía, Puerto Montt, Chile); Kusch, A.; Osse, J. and Ruiz, M.

Phytoplankton biomass in the sub-Antarctic area of the Straits of Magellan (53°S), Chile during spring-summer 1997/1998: **Polar Biology**, 24(3), p. 154-162, illus. incl. 2 tables, sketch map, 38 ref., 2001.

57001670

Belgium, Centre de Recherches Routières.

Code de bonne pratique pour la fabrication des enrobés bitumineux [Best practices for fabrication of bituminous coatings]: **Recommandations C.R.R.**, Rep. No. R72/02, 157 p., illus. incl. 16 tables, 59 ref., 2002. Includes appendices.

57001671

Wharton, David A.

Life at the limits; organisms in extreme environments: Cambridge University Press, Cambridge, United Kingdom, 307 p., illus. incl. tables, 2002. ISBN: 0521782120.

57001672

Rugg, John E.

Pinnacle of Antarctica; the Amundsen-Scott South Pole station: First Books Library, Bloomington, IN, 95 p., illus., 2001. ISBN: 1588203654.

57001673

Beyer, Lothar and Böltter, Manfred, editors.

Geocology of Antarctic ice-free coastal landscapes: Springer, Berlin, Federal Republic of Germany, 427 p., illus. incl. tables, 2002. ISBN: 3540422684.

57001674

Anonymous.

Report of the second BEDMAP workshop on Antarctic bed mapping: British Antarctic Survey, Cambridge, United Kingdom, 17 p., illus. incl. tables, 2001. Report of a meeting held in Cambridge, England, July 24-25, 1999.

57001675

Shibata, Hideaki (Hokkaido University, Field Science Center for Northern Biosphere, Hokkaido, Japan); Ichikawa, Kazu; Nomura, Mutsumi; Sato, Fuyuki; Sasa, Kaichiro; Isii, Yoshiyuki and Kobayashi, Daiji.

Elemental budgets of a forest watershed at a cold snowy region: **Journal of Japanese Association of Hydrological Sciences**, 32(2), p. 49-56, (Japanese) (English sum.), illus., 17 ref., May 2002.

57001676

Balis, Jules M. (University of Ottawa, Ottawa, ON, Canada); Schindler, David W.; Muir, Derek C. G.; Sharp, Martin; Donald, David; Lafrenière, Melissa; Braekvelt, Eric and Strachan, William M. J.

Melting glaciers; a major source of persistent organochlorines to subalpine Bow Lake in Banff National Park, Canada: **Ambio**, 30(7), p. 410-415, illus. incl. 4 tables, sketch map, 25 ref., November 2001.

57001677

Tonkovic, Z. (Environmental Solutions, Moonee Ponds, Victoria, Australia) and Jeffcoat, S. Wastewater reclamation for use in snow-making within an alpine resort in Australia; resource rather than waste: *in* 2nd world water congress; Integrated water resources management (Gilbert, J., chairperson), **Water Science and Technology**, 46(6-7), p. 297-302, illus. incl. 2 tables, 9 ref., 2002. *Meeting:* Oct. 15-19, 2001, Berlin, Federal Republic of Germany.

57001678

Basov, I. A. (Rossiiskaia Akademiia Nauk, Institut Litosfery Okrainnykh i Vnutrennikh Morei, Moscow, Russian Federation).

“Dzhoides Rezolushn” 187-y i 188-y reisy [JOIDES Resolution cruises 187 and 188]: **Priroda**, 2002(6), p. 70-72, illus., 2 ref., 2002.

57001679

Agafonov, B. P. (Rossiiskaia Akademii Nauk, Institut Zemnoi Kory Sibirskogo Otdeleniya RAN, Irkutsk, Russian Federation).

Peschanye eolovye potoki iz Baikala [Eolian sand flows of Lake Baikal]: **Priroda**, 2002(5), p. 40-44, illus., 5 ref., 2002.

57001680

Tide, Yorn (Institut Polyarnykh i Morskikh Issledovanii im. A. Vegenera, Russian Federation); Drachev, Sergei S. and Shevchenko, V. P.

Ekspeditsiia AMORE-2001 v Tsentral'nuiu Arktiku [AMORE-2001 expedition to central Arctic region]: **Priroda**, 2002(5), p. 47-51, illus., 2002.

57001681

Tranter, M. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom); Huybrechts, P.; Munhoven, G.; Sharp, M. J.; Brown, G. H.; Jones, I. W.; Hodson, A. J.; Hodgkins, R. and Wadham, J. L.

Direct effect of ice sheets on terrestrial bicarbonate, sulphate and base cation fluxes during the last glacial cycle; minimal impact on atmospheric CO₂ concentrations: *in* Geochemistry of crustal fluids; fluids in the crust and chemical fluxes at the Earth's surface (Gislason, Sigurdur R., editor; *et al.*), **Chemical Geology**, 190(1-4), p. 33-44, illus. incl. 4 tables, 42 ref., October 30, 2002. *Meeting:* 3rd European research conference (EURESCO), Dec. 2-7, 2000, Granada, Spain.

57001682

Gislason, Sigurdur R. (University of Iceland, Science Institute, Reykjavik, Iceland); Snorrason, A.; Kristmannsdottir, H. K.; Sveinbjornsdottir, A. E.; Torsander, P.; Olafsson, J.; Castet, S. and Dupré, B.

Effects of volcanic eruptions on the CO₂ content of the atmosphere and the oceans; the 1996 eruption and flood within the Vatnajokull Glacier, Iceland: *in* Geochemistry of crustal fluids; fluids in the crust and chemical fluxes at the Earth's surface (Gislason, Sigurdur R., editor; *et al.*), **Chemical Geology**, 190(1-4), p. 181-205, illus. incl. block diag., 6 tables, sketch map, 74 ref., October 30, 2002. *Meeting:* 3rd European research conference (EURESCO), Dec. 2-7, 2000, Granada, Spain.

57001683

Barrett, Peter J.

Lessons from Antarctica on the Earth's climate: *in* Ministerial on ice; an historic meeting (Higham, Tim, editor), Antarctica New Zealand, Christchurch, New Zealand, p. 34-37, illus., 1999. *Meeting:* Jan. 25-28, 1999, Amundsen-Scott Station, Antarctica.

57001684

Howard-Williams, Clive.

Inland biology, human impacts and indicators of change: *in* Ministerial on ice; an historic meeting (Higham, Tim, editor), Antarctica New Zealand, Christchurch, New Zealand, p. 37-40, illus., 1999. *Meeting:* Jan. 25-28, 1999, Amundsen-Scott Station, Antarctica.

57001685

Naish, Tim.

A perspective on the future of Antarctica science: *in* Ministerial on ice; an historic meeting (Higham, Tim, editor), Antarctica New Zealand, Christchurch, New Zealand, p. 40-45, illus., 1999. *Meeting:* Jan. 25-28, 1999, Amundsen-Scott Station, Antarctica.

57001686

Karentz, Deneb.

Ozone depletion and Southern Ocean ecology: *in* Ministerial on ice; an historic meeting (Higham, Tim, editor), Antarctica New Zealand, Christchurch, New Zealand, p. 45-46, illus., 1999. *Meeting*: Jan. 25-28, 1999, Amundsen-Scott Station, Antarctica.

57001687

Wharton, David A.; Judge, K. F. and Worland, M. R.

Cold acclimation and cryoprotectants in a freeze-tolerant Antarctic nematode, *Panagrolaimus davidi*: **Journal of Comparative Physiology. B, Biochemical, Systemic, and Environmental Physiology**, 170(4), p. 321-327, illus. incl. tables, 2000.

57001688

Ayukawa, E.; Imura, S. and Kanda, H.

Soil property and distribution of vegetation in the Yukidori Valley, Antarctica: **Sentairui Kenkyu = Bryological Research**, 7(4), p. 109-115, (Japanese) (English sum.), illus. incl. tables, 1998.

57001689

Smith, S. D. A. and Simpson, R. D.

Recovery of benthic communities at Macquarie Island (sub-Antarctic) following a small oil spill: **Marine Biology (Berlin)**, 131(3), p. 567-581, illus. incl. tables, 1998.

57001690

Kholodov, Alexander L. (Moscow State University, Geocryological Department, Moscow, Russian Federation); Romanovskii, Nikolai N.; Gavrilov, Anatoli V.; Tipenko, Genady S.; Drachev, Sergei S.; Hubberten, Hans W. and Kassens, Heidemarie.

Modeling of the offshore permafrost thickness on the Laptev Sea shelf: *in* ICAM III; III international conference on Arctic margins (Tessensohn, Franz; *et al.*), **Polarforschung**, 69, p. 221-227, illus. incl. 2 tables, sketch maps, 16 ref., 2000. *Meeting*: Oct. 12-16, 1998, Celle, Federal Republic of Germany.

57001691

Tipenko, Genadi S. (Moscow State University, Faculty of Mathematics & Mechanics, Moscow, Russian Federation); Romanovskii, Nicolai N. and Kholodov, Alexander L.

Simulation of the offshore permafrost and gashydrate stability zone; mathematical solution, numerical realization and preliminary results: *in* ICAM III; III international conference on Arctic margins (Tessensohn, Franz; *et al.*), **Polarforschung**, 69, p. 229-233, illus. incl. 1 table, 15 ref., 2000. *Meeting*: Oct. 12-16, 1998, Celle, Federal Republic of Germany.

57001700

Ford, Jesse (Oregon State University, Department of Fisheries and Wildlife, Corvallis, OR); Muir, Derek C. G.; Kapustka, Lawrence A. and Landers, Dixon H.

Arctic vegetation and soil database of organochlorine pesticides and PCBs in Alaska and Siberia: Rep. No. EPA/600/R01/022, 1 disc, 2000. compact disc *Available from*: U. S. Environmental Protection Agency, Western Ecology Division, Corvallis, OR, United States.

57001701

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

Hydrograph separation by measurement of electrical conductivity and discharge for meltwaters in the Ganga headwater basin, Garhwal Himalaya: **Journal of the Geological Society of India**, 59(4), p. 323-329, illus. incl. 2 tables, sketch map, 28 ref., April 2002.

57001702

Leuliette, Eric W. (University of Texas at Austin, Center for Space Research, Austin, TX) and Nerem, R. Steven.

Detecting time variations in gravity associated with climate change: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(6), 7 p., illus. incl. 3 tables, geol. sketch map, 23 ref., June 10, 2002.

57001703

Isachenko, A. G. (Sankt-Peterburgskii Gosudarstvenny Universitet, Saint Petersburg, Russian Federation).

Landshaftnaia struktura Zemli i rasselenie [Landscape structure of Earth and human settling]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(3), p. 5-12 (English sum.), illus. incl. 2 tables, 2 ref., June 2002.

57001704

Badenkov, Iu. P. (Rossiiskaia Akademii Nauk, Institut Geografii, Moscow, Russian Federation).

Transgranichnye gornye territorii v usloviakh globalizatsii; Altaiskii Sindrom [Transboundary mountain territories in condition of globalization; Altai Syndrome]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(3), p. 21-28 (English sum.), illus. incl. 1 table, 24 ref., June 2002.

57001705

Osipova, G. B. (Rossiiskaia Akademii Nauk, Institut Geografii, Russian Federation) and Tsvetkov, D. G.

Issledovanie dinamiki slozhnykh lednikov po kosmicheskim snimкам [Investigations of complex glacier dynamics based on space images]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(3), p. 29-38 (English sum.), illus., 13 ref., June 2002.

57001706

Glazovskaia, M. A. (Moskovskii Gosudarstvenny Universitet im. M. V. Lomonosova, Moscow, Russian Federation).

Biogeokhimicheskoe vyvetrивание vulkanicheskikh porod andezitovogo sostava v subantarkticheskikh periglyatsial'nykh usloviakh [Biogeochemical weathering of andesitic volcanic rocks in subantarctic periglacial conditions]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(3), p. 39-48 (English sum.), illus. incl. 6 tables, 15 ref., June 2002.

57001707

Budnik, S. V. (Ukrainian Academy of Agrarian Sciences, Institute for Hydraulic Engineering and Land Reclamation, Kiev, Ukraine).

Tangential stresses in overland streams: **Water Resources**, 29(5), p. 536-538, 1 table, 5 ref., October 2002.

57001708

Zalesny, V. B. (Russian Academy of Sciences, Institute of Numerical Mathematics, Moscow, Russian Federation) and Kontorovskii, S. E.

A numerical model of the wind, thermohaline, and tidal currents in the Sea of Okhotsk: **Oceanology**, 42(5), p. 628-636, illus., 9 ref., October 2002.

57001709

Dobrolyubov, S. A. (Moscow State University, Moscow, Russian Federation) and Falina, A. S.

Interannual variability of the intermediate North Atlantic water circulation from multiparameter analysis of the water masses: **Oceanology**, 42(5), p. 619-627, illus. incl. 2 tables, 18 ref., October 2002.

57001710

Chase, T. N.; Herman, B.; Pielke, R. A., Sr.; Zeng, X. and Leuthold, M.

A proposed mechanism for the regulation of minimum midtropospheric temperatures in the Arctic: **Journal of Geophysical Research, D, Atmospheres**, 107(14), 7 p., illus. incl. 7 tables, 9 ref., July 27, 2002.

57001711

Ricard, V. (Laboratoire de Glaciologie et Géophysique de l'Environnement, St. Martin d'Hères, France); Jaffrezo, J. L.; Kerminen, V. M.; Hillamo, R. E.; Teinila, K. and Maenhaut, W.

Size distributions and modal parameters of aerosol constituents in northern Finland during the European Arctic aerosol study: **Journal of Geophysical Research, D, Atmospheres**, 107(14), 18 p., illus. incl. 4 tables, geol. sketch map, 90 ref., July 27, 2002.

57001712

Oberlander, Eva A. (Max Planck Institute for Chemistry, Mainz, Federal Republic of Germany); Brenninkmeijer, C. A. M.; Crutzen, P. J.; Elansky, N. F.; Golitsyn, G. S.; Granberg, I. G.; Scharffe, D. H.; Hofmann, R.; Belikov, I. B.; Paretzke, H. G. and van Velthoven, P. F. J.

Trace gas measurements along the Trans-Siberian Railroad; the TROICA 5 expedition: **Journal of Geophysical Research, D, Atmospheres**, 107(14), 15 p., illus. incl. 2 tables, 92 ref., July 27, 2002.

57001713

Morgan, Lance (Marine Conservation Biology Institute, Redmond, WA) and Etnoyer, Peter.

The Baja California to Bering Sea Priority areas mapping initiative and the role of GIS in protecting places in the sea: *in* Marine geography; GIS for the oceans and seas (Breman, Joe, editor), Environmental Systems Research Institute Press, Redlands, CA, p. 137-142, illus. incl. sketch maps, 8 ref., 2002.

57001714

Hooge, Philip N. (U. S. Geological Survey, Glacier Bay Field Station).

USGS Glacier Bay field station develops GIS tools: *in* Marine geography; GIS for the oceans and seas (Breman, Joe, editor), Environmental Systems Research Institute Press, Redlands, CA, p. 183-184, illus., 2002.

57001715

Gruen, Armin (Institute of Geodesy and Photogrammetry, ETH Hoenggerberg, Zurich, Switzerland) and Murai, Shunji.

High-resolution 3D modelling and visualization of Mount Everest: *in* Geomatics in mountainous areas; the International Year of the Mountains, 2002 (Gruen, Armin, editor; *et al.*), **ISPRS Journal of Photogrammetry and Remote Sensing**, 57(1-2), p. 102-113, illus., 12 ref., November 2002.

57001716

Buchardt, B. (University of Copenhagen, Geological Institute, Copenhagen, Denmark) and Simonarson, L. A.

Isotope palaeotemperatures from the Tjornes Beds in Iceland; evidence of Pliocene cooling: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 189(1-2), p. 71-95, illus. incl. strat. cols., 2 tables, geol. sketch map, 78 ref., January 1, 2003. Includes appendix.

57001717

Chumakov, N. M. (Russian Academy of Sciences, Geological Institute, Moscow, Russian Federation).

Periodicity of major glaciations events and their correlation with endogenic activity of the Earth: **Doklady Earth Sciences**, 379(5), p. 507-510, illus., 15 ref., July 2001.

57001718

Balobaev, V. T. (Russian Academy of Sciences, Siberian Division, Institute Permafrost, Yakutsk, Russian Federation) and Shepelev, V. V.

Cosmoplanetary climatic cycles and their role in the evolution of the Earth's biosphere: **Doklady Earth Sciences**, 379(5), p. 607-610, illus., 14 ref., July 2001.

57001719

Romanov, Yu. A. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation) and Korotkov, A. I.

Seasonal variations in iceberg abundance in eastern Antarctica (50°-70°N, 0°-120°E): **Doklady Earth Sciences**, 379(5), p. 611-614, illus. incl. table, 15 ref., July 2001.

57001720

Aislabie, Jackie (Landcare Research, Hamilton, New Zealand); Foght, Julia and Saul, David.

Aromatic hydrocarbon-degrading bacteria from soil near Scott Base, Antarctica: **Polar Biology**, 23(3), p. 183-188, illus. incl. 1 table, 29 ref., 2000.