

58000192

Wolff, Eric W., editor.

Papers from the International symposium on Ice cores and climate: **Annals of Glaciology**, 35, 591 p., illus. incl. tables, sketch map, 2002. ISBN: 0-946417-30-X. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. Individual papers within scope are cited separately.

58000193

Dahl-Jensen, Dorthe (University of Copenhagen, Niels Bohr Institute for Astronomy, Copenhagen, Denmark); Gundestrup, Niels S.; Miller, Heinz; Watanabe, Okitsugu; Johnsen, Sigfus J.; Steffensen, Jorgen P.; Clausen, Henrik B.; Svensson, Anders and Larsen, Lars B.
The NorthGRIP deep drilling programme: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 1-4, illus. incl. sketch map, 22 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000194

Hvidberg, Christine Schott (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Steffensen, Jorgen Peder; Clausen, Henrik B.; Shoji, Hitoshi and Kipfstuhl, Josef.

The NorthGRIP ice-core logging procedure; description and evaluation: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 5-8, illus., 4 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000195

Koerner, Roy M. (Geological Survey of Canada, Ottawa, ON, Canada) and Fisher, David A.

Ice-core evidence for widespread Arctic glacier retreat in the last interglacial and the early Holocene: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 19-24, illus. incl. sketch map, 43 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000196

Suter, Stephan (ETH-Zentrum, Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie, Zurich, Switzerland) and Hoelzle, Martin.

Cold firn in the Mont Blanc and Monte Rosa areas, European Alps; spatial distribution and statistical models: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 9-18, illus. incl. 7 tables, sketch map, 31 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000198

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

An ice-core record over the last two centuries from Penny ice cap, Baffin Island, Canada: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 29-35, illus. incl. 1 table, sketch map, 25 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000199

Morse, David L. (University of Texas at Austin, John A. and Katherine G. Jackson School of Geosciences, Austin, TX); Blankenship, Donald D.; Waddington, Edwin D. and Neumann, Thomas A.

A site for deep ice coring in West Antarctica; results from aerogeophysical surveys and thermo-kinematic modeling: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 36-44, illus. incl. 3 tables, sketch maps, 51 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. NSF Grants OPP-9615251, OPP-9726500, and OPP-9615169.

58000200

Mulvaney, Robert (British Antarctic Survey, Cambridge, United Kingdom); Oerter, Hans; Peel, David A.; Graf, Wolfgang; Arrowsmith, Carol; Pasteur, Elizabeth C.; Knight, Bruce; Littot, Genevi  e C. and Miners, William D.

1000 year ice-core records from Berkner Island, Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 45-51, illus. incl. 1 table, sketch map, 24 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000201

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

Effects of snow and firn ventilation on sublimation rates: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 52-56, illus., 27 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. NSF Grant OPP-9814676. CRREL Report No: ERDC/CRREL MP-03-6089

58000202

Pohjola, Veijo A. (Uppsala University, Department of Earth Sciences, Uppsala, Sweden); Martma, Tonu A.; Meijer, A. J.; Moore, John C.; Isaksson, Elisabeth; Vaikmae, Rein and van de Wal, Roderik S. W.

Reconstruction of three centuries of annual accumulation rates based on the record of stable isotopes of water from Lomonosovfonna, Svalbard: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 57-62, illus. incl. 2 tables, sketch map, 30 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000203

Luciano, Gina L. (Darthmouth College, Department of Earth Sciences, Hanover, NH) and Albert, Mary R.

Bidirectional permeability measurements of polar firn: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 63-66, illus. incl. 1 table, 10 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. NSF Grant OPP-9813441. CRREL Report No: ERDC/CRREL MP-03-6102

58000204

Hanna, Edward (University of Plymouth, Institute of Marine Studies, Plymouth, United Kingdom); Huybrechts, Philippe and Mote, Thomas L.

Surface mass balance of the Greenland ice sheet from climate-analysis data and accumulation/runoff models: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 67-72, illus. incl. 1 table, 26 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000205

Braaten, David A. (University of Kansas, Radar Systems and Remote Sensing Laboratory, Lawrence, KS); Gogineni, S. Prasad; Tammana, Dilip; Namburi, Saikiran; Paden, John and Gurumoorthy, Krishna K.

Improvement of radar ice-thickness measurements of Greenland outlet glaciers using SAR processing: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 73-78, illus. incl. 1 table, sketch map, 6 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000206

Hamilton, Gordon S. (Ohio State University, Byrd Polar Research Center, Columbus, OH) and Whillans, Ian M.

Local rates of ice-sheet thickness change in Greenland: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 79-83, illus. incl. 2 tables, sketch map, 26 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000207

Shiraiwa, Takayuki (Hokkaido University, Institute of Low temperature Science, Sapporo, Japan); Kohshima, Shiro; Uemura, Ryu; Yoshida, Naohiro; Matoba, Sumito; Uetake, Jun and Godoi, Maria Angelica.

High net accumulation rates at Campo de Hielo Patagonico Sur, South America, revealed by analysis of a 45.97 m long ice core: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 84-90, illus. incl. sketch map, 22 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000208

Schlosser, Elisabeth (University of Innsbruck, Institute of Meteorology and Geophysics, Innsbruck, Austria) and Oerter, Hans.

Shallow firn cores from Neumayer, Ekströmisen, Antarctica; a comparison of accumulation rates and stable-isotope ratios: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 91-96, illus., 26 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000209

Schlosser, Elisabeth (University of Innsbruck, Institute of Meteorology and Geophysics, Innsbruck, Austria) and Oerter, Hans.

Seasonal variations of accumulation and the isotope record in ice cores; a study with surface snow samples and firn cores from Neumayer Station, Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 97-101, illus. incl. 1 table, 27 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000210

Hamilton, Gordon S. (University of Maine, Institute for Quaternary and Climate Studies, Orono, ME).

Mass balance and accumulation rate across Siple Dome, West Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 102-106, illus. incl. 2 tables, sketch map, 21 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000211

Smith, Barbara T. (Antarctic CRC, Hobart, Tasmania, Australia); van Ommen, Tas D. and Morgan, Vin I.

Distribution of oxygen isotope ratios and snow accumulation rates in Wilhelm II Land, East Antarctica: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 107-110, illus. incl. 1 table, sketch maps, 14 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000212

Kavanaugh, Jeffrey L. (University of California at Berkeley, Department of Geography, Berkeley, CA) and Cuffey, Kurt M.

Generalized view of source-region effects on δD and deuterium excess of ice-sheet precipitation: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 111-117, illus. incl. 2 tables, 30 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. NSF Grant OPP-018035.

58000213

Waddington, Edwin D. (University of Washington, Department of Earth and Space Sciences, Seattle, WA); Steig, Eric J. and Neumann, Thomas A.

Using characteristic times to assess whether stable isotopes in polar snow can be reversibly deposited: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 118-124, illus., 29 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. NSF Grant OPP-0196085.

58000214

van Trigt, Radboud (Centre for Isotope Research, Groningen, Netherlands); Meijer, Harro A. J.; Sveinbjornsdottir, Arny E.; Johnsen, Sigfus J. and Kerstel, Erik R. T.

Measuring stable isotopes of hydrogen and oxygen in ice by means of laser spectrometry; the Bolling transition in the Dye-3 (South Greenland) ice core: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 125-130, illus., 22 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000215

Rasmussen, Sune Olander (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Andersen, Katrine Krogh; Siggaard-Andersen, Marie-Louise and Clausen, Henrik B.

Extracting the annual signal from Greenland ice-core chemistry and isotopic records: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 131-135, illus., 8 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000216

Reeh, Niels (University Courses on Svalbard, Longyearbyen, Norway); Oerter, Hans and Thomsen, Hojmark.

Comparison between Greenland ice-margin and ice-core oxygen-18 records: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 136-144, illus. incl. 3 tables, sketch map, 30 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000217

Zdanowicz, Christian M. (Geological Survey of Canada, National Glaciology Program, Ottawa, ON, Canada); Fisher, David A.; Clark, Ian and Lacelle, Denis.

An ice-marginal $\delta^{18}\text{O}$ record from Barnes ice cap, Baffin Island, Canada: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 145-149, illus. incl. sketch maps, 19 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000218

Fisher, David A. (Geological Survey of Canada, Terrain Sciences Division, Ottawa, ON, Canada); Koerner, Roy M.; Zielinski, Gregory A.; Wake, Cameron P.; Zdanowicz, Christian M.; Bourgeois, Jocelyne C.; Mayewski, Paul A. and Grummet, Nancy.

The effects of flowline length evolution on chemistry- $\delta^{18}\text{O}$ profiles from Penny ice cap, Baffin Island, Canada: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 150-156, illus. incl. sketch map, 12 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000219

Schöner, Wolfgang (Central Institute for Meteorology and Geodynamics, Vienna, Austria); Auer, Ingeborg; Böhm, Reinhard; Keck, Lothar and Wagenbach, Dietmar.

Spatial representativity of air-temperature in information from instrumental and ice-core-based isotope records in the European Alps: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 157-161, illus. incl. sketch maps, 17 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000220

Lee Xinqing (Chinese Academy of Sciences, State Key Laboratory of Environmental Geochemistry, Guiyang, China); Qin Dahe; Hou Shugui; Ren Jiawen; Duan Keqin and Zhou Hui.

Changes in chemical and isotopic properties near infiltrated cracks in an ice core from Urumqi Glacier No. 1, Tien Shan, China: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 162-166, illus. incl. 1 table, sketch map, 26 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000221

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

The irregular pattern of isotopic and ionic signals in the typical monsoon temperate-glacier area, Yulong Mountain, China: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 167-174, illus. incl. 1 table, sketch map, 30 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000222

Isaksson, Elisabeth (Norwegian Polar Institute, Tromso, Norway) and Melvold, Kjetil.

Trends and patterns in the recent accumulation and oxygen isotopes in coastal Dronning Maud Land, Antarctica; interpretations from shallow ice cores: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 175-180, illus. incl. 2 tables, sketch map, 33 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000223

Ekaykin, Alexey A. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation); Lipenkov, Vladimir Ya.; Barkov, Narcisse I.; Petit, Jean Robert and Masson-Delmotte, Valerie.

Spatial and temporal variability in isotope composition of recent snow in the vicinity of Vostok Station, Antarctica; implications for ice-core record interpretation: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 181-186, illus. incl. 2 tables, sketch map, 16 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000224

Proposito, Marco (Museo Nazionale dell'Antartide, Siena, Italy); Becagli, Silvia; Castellano, Emiliano; Florida, Onelio; Genoni, Laura; Gragnani, Roberto; Stenni, Barbara; Traversi, Rita; Udisti, Roberto and Frezzotti, Massimo.

Chemical and isotopic snow variability along the 1998 ITASE traverse from Terra Nova Bay to Dome C, East Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 187-194, illus. incl. 1 table, sketch map, 48 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000225

Graf, Wolfgang (GSF-Forschungszentrum für Umwelt und Gesundheit, Neuherberg, Federal Republic of Germany); Oerter, Hans; Reinwarth, Oskar; Stichler, Willibald; Wilhelms, Frank; Miller, Heinz and Mulvaney, Robert.

Stable-isotope records from Dronning Maud Land, Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 195-201, illus. incl. 2 tables, sketch map, 25 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000226

Stauffer, Bernhard (University of Bern, Physics Institute, Bern, Switzerland); Flückiger, Jacqueline; Monnin, Eric; Schwander, Jakob; Barnola, Jean-Marc and Chappellaz, Jérôme.

Atmospheric CO₂, CH₄ and N₂O records over the past 60,000 years based on the comparison of different polar ice cores: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 202-208, illus., 43 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000227

Röthlisberger, Regine (University of Bern, Climate Environmental Physics, Bern, Switzerland); Hutterli, Manuel A.; Wolff, Eric W.; Mulvaney, Robert; Fischer, Hubertus; Bigler, Matthias; Goto-Azuma, Kumiko; Hansson, Margareta E.; Ruth, Urs; Siggaard-Andersen, Marie-Louise and Steffensen, Jorgen Peder.

Nitrate in Greenland and Antarctic ice cores; a detailed description of post-depositional processes: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 209-216, illus. incl. 1 table, sketch map, 35 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000229

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

The structure and chemistry of 94 m Greenland Ice Sheet Project 2 ice: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 224-230, illus., 30 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000230

Verbeke, Véronique (Université Libre de Bruxelles, Département des Sciences de la Terre, Brussels, Belgium); Lorrain, Reginald; Johnsen, Sigfus J. and Tison, Jean-Louis.

A multiple-step deformation history of basal ice from the Dye 3 (Greenland) core; new insights from the CO₂ and CH₄ content: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 231-236, illus., 10 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000231

Ruth, Urs (Universität Heidelberg, Institut für Umwelphysik, Heidelberg, Federal Republic of Germany); Wagenbach, Dietmar; Bigler, Matthias; Steffensen, Jorgen Peder; Röhlisberger, Regine and Miller, Heinz.

High-resolution microparticle profiles at NorthGRIP, Greenland; case studies of the calcium-dust relationship: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 237-242, illus. incl. 1 table, 24 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000232

Siggaard-Andersen, Marie-Louise (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Steffensen, Jorgen Peder and Fischer, Hubertus.

Lithium in Greenland ice cores measured by ion chromatography: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 243-249, illus. incl. 4 tables, 20 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000233

Bigler, Matthias (University of Bern, Climate and Environmental Physics, Bern, Switzerland); Wagenbach, Dietmar; Fischer, Hubertus; Kipfstuhl, Josef; Miller, Heinrich; Sommer, Stefan and Stauffer, Bernhard.

Sulphate record from a Northeast Greenland ice core over the last 1200 years based on continuous flow analysis: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 250-256, illus. incl. sketch map, 18 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000234

Vehvilainen, Jari (University of Lapland, Arctic Centre, Rovaniemi, Finland); Isaksson, Elisabeth and Moore, John C.

A 20th-century record of naphthalene in an ice core from Svalbard: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 257-260, illus. incl. 3 tables, sketch map, 27 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000236

Hou Shugui (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Qin Dahe; Zhang Dongqi; Rein Jiawen; Kang Shichang; Mayewski, Paul A. and Wake, Cameron P.

Comparison of two ice-core chemical records recovered from the Qomolangma (Mount Everest) region, Himalaya: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 266-272, illus. incl. sketch map, 14 ref., 2002.

Meeting: Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000237

Wang Ninglian (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Yao Tandong; Thompson, Lonnie G. and Davis, Mary E.

Indian monsoon and North Atlantic Oscillation signals reflected by Cl⁻ and Na⁺ in a shallow ice core from Dasuopu Glacier, Xixabangma, Himalaya: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 273-277, illus., 38 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000238

Qin Dahe (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Hou Shugui; Zhang Dongqi; Ren Jiawen; Kang Shichang; Mayewski, Paul A. and Wake, Cameron P.

Preliminary results from the chemical records of an 80.4 m ice core recovered from East Rongbuk Glacier, Qomolangma (Mount Everest), Himalaya: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 278-284, illus. incl. sketch map, 29 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000239

Lee Xinqing (Chinese Academy of Sciences, Institute of Geochemistry, Guizhou, China); Qin Dahe; Ren Jiawen; Duan Keqin; Kang Shichang and Zhou Hui.

Past 43 years oxalate record; Urumqi Glacier No. 1, Tien Shan, China, and its link with Far East Rongbuk Glacier, Qomolangma (Mount Everest): *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 285-290, illus. incl. 1 table, sketch map, 42 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000240

Traversi, Rita (University of Florence, Department of Chemistry, Florence, Italy); Becagli, Silvia; Castellano, Emiliano; Migliori, Alessio; Severi, Mirko and Udisti, Roberto.

High-resolution fast ion chromatography (FIC) measurements of chloride, nitrate and sulphate along the EPICA Dome C ice core: *in Papers from the International symposium on Ice cores and climate* (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 291-298, illus. incl. 2 tables, 40 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000241

Littot, Geneviève C. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); Mulvaney, Robert; Röthlisberger, Regine; Udisti, Roberto; Wolff, Eric W.; Castellano, Emiliano; de Angelis, Martine; Hansson, Margareta E.; Sommer, Stefan and Steffensen, Jorgen Peder.

Comparison of analytical methods used for measuring major ions in the EPICA Dome C (Antarctica) ice cores: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 299-305, illus. incl. 1 table, 13 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000242

Delmonte, Barbara (CNRS, Laboratoire de Glaciologie et Géophysique et Géophysique de l'Environnement, Saint-Martin-d'Hères, France); Petit, Jean Robert and Maggi, Valter.

LGM-Holocene changes and Holocene millennial-scale oscillations of dust particles in the EPICA Dome C ice core, East Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 306-312, illus., 64 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000243

Fujita, Shuji (Hokkaido University, Department of Applied Physics, Sapporo, Japan); Azuma, Nobuhiko; Motoyama, Hideaki; Kameda, Takao; Narita, Hideki; Fujii, Yoshiyuki and Watanabe, Okitsugu.

Electrical measurements on the 2503 m Dome F Antarctic ice core: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 313-320, illus. incl. 3 tables, 27 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000244

Fujita, Shuji (Hokkaido University, Department of Applied Physics, Sapporo, Japan); Azuma, Nobuhiko; Motoyama, Hideaki; Kameda, Takao; Narita, Hideki; Matoba, Sumito; Igarashi, Maokto; Kohno, Mika; Fujii, Yoshiyuki and Watanabe, Okitsugu.

Linear and non-linear relations between the high-frequency-limit conductivity, AC-ECM signals and ECM signals of Dome F Antarctic ice core from a laboratory experiment: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 321-328, illus. incl. 2 tables, 25 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000245

Palmer, Anne S. (University of Tasmania, Institute for Antarctic and Southern Ocean Studies, Hobart, Tasmania, Australia); Morgan, Vin I.; Curran, Mark A. J.; van Ommen, Tas D. and Mayewski, Paul A.

Antarctic volcanic flux ratios from Law Dome ice cores: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 329-332, illus. incl. 1 table, sketch map, 24 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000246

Curran, Mark A. J. (Antarctic CRC and Australian Antarctic Division, Hobart, Tasmania, Australia); Palmer, Anne S.; van Ommen, Tas D.; Morgan, Vin I.; Phillips, Katrina L.; McMorrow, Alison J. and Mayewski, Paul A.

Post-depositional movement of methanesulphonic acid at Law Dome, Antarctica, and the influence of accumulation rate: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 333-339, illus. incl. 1 table, 30 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000247

Simões, Jefferson C. (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint-Martin-d'Hères, France); Petit, Jean Robert; Souchez, Roland; Lipenkov, Vladimir Ya.; de Angelis, Martine; Liu, Leibao; Jouzel, Jean and Duval, Paul. Evidence of glacial flour in the deepest 89 m of the Vostok ice core: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 341-346, illus. incl. 2 tables, 23 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000248

Goktas, Fidan (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Fischer, Hubertus; Oerter, Hans; Weller, Rolf; Sommer, Stefan and Miller, Heinz.

A glacio-chemical characterization of the new EPICA deep-drilling site on Amundsenisen, Dronning Maud Land, Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 347-354, illus. incl. 2 tables, sketch map, 33 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000249

Gronlund, Anna (Stockholm University, Department of Meteorology, Stockholm, Sweden); Nilsson, Douglas; Koponen, Ismo K.; Virkkula, Aki and Hansson, Margareta E.

Aerosol dry deposition measured with eddy-covariance technique at Wasa and Aboa, Dronning Maud Land, Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 355-361, illus. incl. 4 tables, 21 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000250

Sun Junying (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Ren Jiawen and Qin Dahe.

60 years record of biogenic sulfur from Lambert Glacier basin firn core, East Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 362-367, illus. incl. 1 table, sketch map, 35 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000251

Li,Jun (NASA, Goddard Space Flight Center, Raytheon ITSS, Greenbelt, MD); Wang, Weili and Zwally, H. Jay.

Interannual variations of shallow firn temperature at Greenland Summit: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 368-370, illus. incl. 1 table, 12 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000253

Yao Tandong (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Duan Keqin; Su Baiqing; Wang Ninglian; Pu Jianchen; Kang Shichang; Qin Xiang and Thompson, Lonnie G.

Temperature and methane changes over the past 1000 years recorded in Dasuopu Glacier (central Himalaya) ice core: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 379-383, illus. incl. sketch map, 31 ref., 2002.

Meeting: Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000254

Hondoh, Takeo (Hokkaido University, Institute of Low Temperature, Hokkaido, Japan); Shoji, Hitoshi; Watanabe, Okitsugu; Salamatin, Andrey N. and Lipenkov, Vladimir Ya.
Depth-age and temperature prediction at Dome Fuji Station, East Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 384-390, illus. incl. 3 tables, 27 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. Includes appendix.

58000255

Lefebvre, Filip (Université Catholique de Louvain, Institut d'Astronomie et de Géophysique G. Lemaître, Louvain-la-Neuve, Belgium); Gallée, Hubert; van Ypersele, Jean-Pascal and Huybrechts, Philippe.

Modelling of large-scale melt parameters with a regional climate model in South Greenland during the 1991 melt season: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 391-397, illus. incl. 1 table, 36 ref., 2002.

Meeting: Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000256

Mogensen, Irene A. (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Johnsen, Sigfus J.; Ganopolski, Andrey and Rahmstorf, Stefan.

An investigation of rapid warm transitions during MIS2 and MIS3 using Greenland ice-core data and the CLIMBER-2 model: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 398-402, illus. incl. 1 table, 20 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000257

Miller, Jessica E. (University of Wisconsin-Milwaukee, Department of Mathematical Sciences, Milwaukee, WI); Kahl, Jonathan D. W.; Heller, Fred and Harris, Joyce M.

A three-dimensional residence-time analysis of potential summertime atmospheric transport to Summit, Greenland: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 403-408, illus. incl. sketch maps, 15 ref., 2002.

Meeting: Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000258

Huybrechts, Philippe (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Janssens, Ives; Poncin, Chantal and Fichefet, Thierry.

The response of the Greenland ice sheet to climate changes in the 21st century by interactive coupling of an AOGCM with a thermomechanical ice-sheet model: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 409-415, illus. incl. sketch map, 35 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000259

Wake, Cameron P. (University of New Hampshire, Climate Change Research Center, Durham, NH); Yalcin, Kaplan and Gundestrup, Niels S.

The climate signal recorded in the oxygen-isotope, accumulation and major-ion time series from the Eclipse ice core, Yukon Territory, Canada: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 416-422, illus. incl. 2 tables, sketch map, 23 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000260

Moore, Kent G. W. (University of Toronto, Department of Physics, Toronto, ON, Canada); Alverson, Keith and Holdsworth, Gerald.

Variability in the climate of the Pacific Ocean and North America as expressed in the Mount Logan ice core: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 423-429, illus. incl. 1 table, sketch map, 22 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000261

Meyerson, Eric A. (University of Maine, Department of Geological Sciences, Orono, ME); Mayewski, Paul A.; Kreutz, Karl J.; Meeker, I. David; Whitlow, Sallie I. and Twickler, Mark S.

The polar expression of ENSO and sea-ice variability as recorded in a South Pole ice core: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 430-436, illus. incl. sketch map, 45 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000262

Duan Keqin (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Yao Tandong; Sun Weizheng and Li Xinqin.

Indian monsoon variability in the Himalaya since AD 1800: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 437-442, illus. incl. 2 tables, 24 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000263

Ginot, Patrick (University of Bern, Department of Chemistry and Biochemistry, Bern, Switzerland); Schwikowski, Margit; Schotterer, Ulrich; Stichler, Willibald; Gäggeler, Heinz W.; Francou, Bernard; Gallaire, Robert and Pouyaud, Bernard.

Potential for climate variability reconstruction from Andean glaciochemical records: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 443-450, illus. incl. 1 table, sketch map, 24 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000264

Steig, Eric J. (University of Washington, Department of Earth and Space Sciences, Seattle, WA) and Alley, Richard B.

Phase relationships between Antarctic and Greenland climate records: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 451-456, illus., 43 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000265

Ditlevsen, Peter D. (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Ditlevsen, Susanne and Andersen, Katrine Krogh.

The fast climate fluctuations during the stadial and interstadial climate states: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 457-462, illus., 22 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. Includes appendix.

58000266

McMorrow, Alison J. (University of Tasmania, Institute of Antarctic and Southern Ocean Studies (IASOS), Hobart, Tasmania, Australia); Curran, Mark A. J.; van Ommen, Tas D.; Morgan, Vin I. and Allison, Ian.

Features of meteorological events preserved in a high-resolution Law Dome (East Antarctica) snow pit: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 463-470, illus. incl. 1 table, 20 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000267

Nishio, Fumihiro (Chiba University, Center for Environmental Remote Sensing, Chiba, Japan); Furukawa, Teruo; Hashida, Gen; Igarashi, Makoto; Kameda, Takao; Kohno, Mika; Motoyama, Hideaki; Naoki, Kazuhiro; Satow, Kazuhide; Suzuki, Keisuke; Takata, Morimasa; Toyama, Yoko; Yamada, Tomomi and Watanabe, Okitsugu.

Annual-layer determinations and 167 year records of past climate of H72 ice core in East Dronning Maud Land, Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 471-479, illus. incl. 1 table, sketch map, 46 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000268

Thorsteinsson, Throstur (University of Washington, Department of Earth and Space Sciences, Seattle, WA) and Waddington, Edwin D.

Folding in strongly anisotropic layers near ice-sheet centers: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 480-486, illus., 24 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. Includes appendix.

58000269

Greve, Ralf (Technische Universität Darmstadt, Fachbereich Mechanik, Darmstadt, Federal Republic of Germany); Wang, Yongqi and Mügge, Bernd.

Comparison of numerical schemes for the solution of the advective age equation in ice sheets: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 487-494, illus. incl. 1 table, 19 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. Includes appendix.

58000270

Weertman, Johannes (Northwestern University, Department of Materials Science and Engineering, Evanston, IL).

The Comninou-Dundurs effect and position stability of subglacial lakes: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 495-502, illus., 20 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. Includes 2 appendices.

58000271

Gagliardini, Olivier (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint-Martin-d'Hères, France) and Meysonnier, Jacques.

Lateral boundary conditions for a local anisotropic ice-flow model: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 503-509, illus. incl. 1 table, 16 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000272

Albert, Mary R. (U. S. Army Cold Regions and Engineering Laboratory, Hanover, NH) and Hawley, Robert L.

Seasonal changes in snow surface roughness characteristics at Summit, Greenland; implications for snow and firn ventilation: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 510-514, illus. incl. 1 table, 11 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland. NSF Grant OPP-9530738. CRREL Report No: ERDC/CRREL MP-03-6090

58000273

Wang, Yun (Alfred Wegener Institute for Polar and Marine Research, Department of Geophysics/Glaciology, Bremerhaven, Federal Republic of Germany); Thorsteinsson, Thorsteinn; Kipfstuhl, Josef; Miller, Heinz; Dahl-Jensen, Dorthe and Shoji, Hitoshi.

A vertical girdle fabric in the NorthGRIP deep ice core, North Greenland: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 515-520, illus. incl. 1 table, 26 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000274

Hvidberg, Christine Schott (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Keller, Kristian and Gundestrup, Niels S.

Mass balance and ice flow along the north-northwest ridge of the Greenland ice sheet at NorthGRIP: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 521-526, illus. incl. 2 tables, 12 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000275

Grinsted, Aslak (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark) and Dahl-Jensen, Dorthe.

A Monte Carlo-tuned model of the flow in the NorthGRIP area: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 527-530, illus., 14 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000276

Hansen, Kaj M. (University of Copenhagen, Niels Bohr Institute for Astronomy, Physics and Geophysics, Copenhagen, Denmark); Svensson, Anders; Wang, Yun and Steffensen, Jørgen Peder.

Properties of GRIP ice crystals from around Greenland interstadial 3: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 531-537, illus., 19 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000277

Freitag, Johannes (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Dobrindt, Uwe and Kipfstuhl, Josef.

A new method for predicting transport properties of polar firn with respect to gases on the pore-space scale: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 538-544, illus., 21 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000278

Faria, Sérgio H. (Darmstadt University of Technology, Institute of Mechanics, Darmstadt, Federal Republic of Germany); Ktitarev, Dimitri and Hutter, Kolumban.

Modelling evolution of anisotropy in fabric and texture of polar ice: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 545-551, illus., 59 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000279

Weiss, Jérôme (CNRS, Laboratoire de Glaciologie et Géophysics de l'Environnement, Saint-Martin-d'Hères, France); Vidot, Jérôme; Gay, Michel; Arnaud, Laurent; Duval, Paul and Petit, Jean Robert.

Dome Concordia ice microstructure; impurities effect on grain growth: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 552-558, illus. incl. 1 table, 41 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000280

Barnes, Piers R. F. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); Mulvaney, Robert; Robinson, Kenneth and Wolff, Eric W.
Observations of polar ice from the Holocene and the glacial period using the scanning electron microscope: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 559-566, illus. incl. 2 tables, 28 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000281

Wang, Weili (NASA, Goddard Space Flight Center, Oceans and Ice Branch, Raytheon ITSS, Greenbelt, MD); Warner, Roland C. and Budd, William F.

Ice-flow properties at Dome Summit South, Law Dome, East Antarctica: *in* Papers from the International symposium on Ice cores and climate (Wolff, Eric W., editor), **Annals of Glaciology**, 35, p. 567-573, illus., 26 ref., 2002. *Meeting:* Aug. 19-23, 2001, Kangerlussuaq, Greenland.

58000498

Leuschen, Carl (Johns Hopkins University, Applied Physics Laboratory, Laurel, MD); Kanagaratnam, P.; Yoshikawa, K.; Arcone, S. and Gogineni, P.

Field experiments of a surface-penetrating radar for Mars: *in* 24th Canadian symposium on Remote sensing (LeDrew, Ellsworth, chairperson), **International Geoscience and Remote Sensing Symposium**, 2002, Volume 6, p. 3579-3581, illus. incl. 1 table, 4 ref., 2002. *Meeting:* June 24-28, 2002, Toronto, ON, Canada.

58000501

Vinogradov, A. M. (University of Calgary, Department of Civil Engineering, Calgary, AB, Canada).

Constitutive theories of ice: 59 p., illus., 67 ref., 19???. Available from: Informal Notes, Canada.

58000502

NOVA.

Commercial demonstration of an enclosed bulk ice pond for the production of bulk ice: Rep. No. NR-401-1, 68 p., illus. incl. 12 tables, December 1985. Available from: New York Power Authority, NY, United States. Phase I report.

58000503

NOVA.

Advanced development of ice pond technology for desalination and water purification: Rep. No. NR-202-1, variously paginated, illus. incl. 32 tables, June 1985. Available from: New York State Energy Research and Development Authority, NY, United States. Final report; includes 3 appendices.

58000504

Oyama, H. (National Institute of Advanced Industrial Science and Technology, Sapporo, Japan); Ebinuma, T.; Shimada, W.; Takeya, S.; Nagao, J.; Uchida, T. and Narita, H.

An experimental study of gas-hydrate formation by measuring viscosity and infrared spectra: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 485-492 (French sum.), illus. incl. 1 table, 6 ref., February 2003. Meeting: July 14-19, 2002, Saint John's, NF, Canada.

58000505

Meyer, Mark P. (U. S. Bureau of Land Management, Division of Lands, Minerals, and Resources, Anchorage, AK); VandeWeg, Darrel A. and Shepherd, Andrew D.

Mineral assessment of Ahtna, Inc. selections in the Wrangell-St. Elias National Park and Preserve, Alaska: **BLM - Alaska Technical Report**, Rep. No. 34, 299 p., illus. incl. sketch maps, May 2000. Final report.

58000506

Rasmussen, Erik A. (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark) and Turner, John, editors.

Polar lows; mesoscale weather systems in the polar regions: Cambridge University Press, Cambridge, United Kingdom, 612 p., illus. incl. tables, sketch map, 600 ref., 2003. ISBN: 0-521-62430-4. Individual chapters are cited separately; NSF Grants SES-8603470, OPP-8816912 and OPP-9219446.

58000507

Turner, John (British Antarctic Survey, Cambridge, United Kingdom); Rasmussen, Erik A. and Carleton, A. M.

Polar lows; mesoscale weather systems in the polar regions; introduction: *in* Polar lows; mesoscale weather systems in the polar regions (Rasmussen, Erik A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 1-51, illus., 2003.

58000508

Rasmussen, Erik A. (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Ninomiya, K. and Carleton, A. M.

Climatology: *in* Polar lows; mesoscale weather systems in the polar regions (Rasmussen, Erik A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 52-149, illus. incl. 2 tables, sketch map, 2003.

58000509

Rasmussen, Erik A. (University of Copenhagen, Department of Geophysics, Copenhagen, Denmark); Turner, John; Ninomiya, K. and Renfrew, I. A.

Observational studies: *in* Polar lows; mesoscale weather systems in the polar regions (Rasmussen, Erik A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 150-285, illus. incl. sketch maps, 2003.

58000510

van Delden, A. (Utrecht University, Institute for Marine and Atmospheric Sciences, Utrecht, Netherlands); Rasmussen, Erik A.; Turner, John and Rosting, B.

Theoretical investigations: *in* Polar lows; mesoscale weather systems in the polar regions (Rasmussen, Erik A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 286-404, illus. incl. sketch maps, 2003.

58000511

Gronas, S. (University of Bergen, Geofysisk Institutt, Bergen, Norway); Raustein, E. and Heinemann, G.

Numerical simulation: *in* Polar lows; mesoscale weather systems in the polar regions (Rasmussen, Erik A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 405-500, illus. incl. sketch maps, 2003.

58000512

Turner, John (British Antarctic Survey, Cambridge, United Kingdom); Rasmussen, Erik A. and Rosting, B.

Forecasting of polar lows: *in* Polar lows; mesoscale weather systems in the polar regions (Rasmussen, Erik A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 501-574, illus. incl. sketch maps, 2003.

58000513

Turner, John (British Antarctic Survey, Cambridge, United Kingdom) and Rasmussen, Erik A.

Conclusions and future research needs: *in* Polar lows; mesoscale weather systems in the polar regions (Rasmussen, Erik A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 575-579, 2003.

58000639

Canada, St. Lawrence Seaway Authority.

Navigation season extension studies; record of conditions, St. Lawrence River and Great Lakes, winter 1982-1983: 20 p. 8 sheets, illus. incl. sketch maps, October 1983. Available from: Transport Canada, St. Lawrence Seaway Authority, Cornwall, ON, Canada.

58000640

Muschell, James E.

Structural design in marinas; designing and installing piling and dock systems: 33 p., illus., 31 ref., 1983. *Available from:* Informal notes, United States.

58000641

Yankielun, Norbert E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Clark, James H.

Development of an instrument to electronically measure, record, and image washover of a towed body: **Applied Ocean Research**, 25(2), p. 93-100, 1 ref., 2003. CRREL Report No: ERDC/CRREL MP-03-6097

58000645

Makinen, Eero (Wartsila Arctic Design and Marketing, Helsinki, Finland).

For the beginning of the international discussion of ship model testing in ice: *in* Fourteenth international towing tank conference, **ITTC (International Towing Tank Conference)**, 14, p. 628-632, 4 ref., 1975. *Meeting:* Sept. 2-11, 1975, Ottawa, ON, Canada.

58000646

Chu, Fen-Dow (State University of New York, Maritime College).

NSMB series 80; theory and technique of testing ice field resistance in the regular towing tank: *in* Fourteenth international Towing tank conference, **ITTC (International Towing Tank Conference)**, 14, 15 p., illus. incl. 1 table, 2 ref., 1975. *Meeting:* Sept. 2-11, 1975, Ottawa, ON, Canada.

58000647

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

Polar press clips 2003: 310 p., illus., 2003. *Available from:* National Science Foundation, Arlington, VA, United States.

58000648

Jason M. Cortell and Associates and Harbridge House.

Great Lakes-St. Lawrence Seaway Navigation Season Extension Program; interim environmental plan of study: 72 p., illus. incl. 3 tables, sketch maps, March 1978. *Available from:* U. S. Army Corps of Engineers, North Central Division, Winter Navigation Board, United States; U. S. Fish and Wildlife Service, Environmental Planning Task Force, United States. Includes 13 appendices.

58000649

Joyner, Christopher C. and Theis, Ethel, R.

Eagle over the ice; the U.S. in the Antarctic: University Press of New England, Hanover, NH, 303 p., illus., 252 ref., 1997. ISBN: 0-87451-778-8. Includes 7 appendices.

58000781

Stehn, L. M. (Lulea University of Technology, Department of Civil and Mining Engineering, Lulea, Sweden); Defrancq, S. J. and Dempsey, J. P.

Fracture resistance determination of freshwater ice using a chevron notched tension specimen: **International Journal of Fracture**, 65, p. 313-328, illus. incl. 2 tables, 31 ref., 1994. NSF Grant MSS-90-07921.

58000810

de Bruyn, John, editor (Memorial University of Newfoundland, Canada).

Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace: **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), 544 p., (English, French), illus. incl. tables, February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada. Individual papers within scope are cited separately.

58000811

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

The microstructural location of impurities in ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 1-9 (French sum.), illus., 25 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada. NSF Grant OPP-9980379.

58000812

Baltazar Ayala, Ricardo (Universidad Nacional Autónoma de México, Facultad de Estudios Superiores Cuautitlán, Cuautitlan Izcalli, Mexico) and Tchijov, Vladimir.

A molecular dynamics study of ices III and V using TIP4P and TIP5P water models: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 11-16 (French sum.), illus., 16 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000813

Zeng, Huang (National Research Council, Steacie Institute for Molecular Sciences, Ottawa, ON, Canada); Wilson, Lee D.; Walker, Virginia K. and Ripmeester, John A.

The inhibition of tetrahydrofuran clathrate-hydrate formation with antifreeze protein: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 17-24 (French sum.), illus. incl. 1 table, 12 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000814

Salzmann, Christoph G. (University of Innsbruck, Institute of General, Inorganic and Theoretical Chemistry, Innsbruck, Austria); Kohl, Ingrid; Loerting, Thomas; Mayer, Erwin and Hallbrucker, Andreas.

Pure ices IV and XII from high-density amorphous ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 25-32 (French sum.), illus., 37 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000815

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

Ab initio molecular-orbital calculations for dodecahedral water clusters including rare-gas atoms: *in Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace* (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 33-38 (French sum.), illus. incl. 4 tables, 25 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000816

Wathen, Brent (Queen's University, Department of Biochemistry, Kingston, ON, Canada); Kuiper, Michael J.; Walker, Virginia K. and Jia, Zongchao.

Three-dimensional simulation of ice growth in the presence of antifreeze proteins: *in Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace* (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 39-45 (French sum.), illus., 17 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000817

Helgerud, M. B. (Stanford University, Geophysics Department, Stanford, CA); Waite, W. F.; Kirby, Stephen H. and Nur, A.

Measured temperature and pressure dependence of V_p and V_s in compacted, polycrystalline sI methane and sII methane-ethane hydrate: *in Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace* (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 47-53 (French sum.), illus. incl. tables, 13 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000818

Tanaka, Hideki (Okayama University, Department of Chemistry, Okayama, Japan).

On the thermodynamic stability of clathrate hydrates: *in Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace* (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 55-60 (French sum.), illus. incl. 1 table, 12 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000819

Lebrun, Nathalie (Université de Lille I, Laboratoire de Dynamique et Structure des Matériaux Moléculaires, Villeneuve d'Ascq, France); Mahe, F.; Foulon, M.; Gors, C. and Petit, J. C.

Thermal behaviour of nitric acid dihydrate in 1:2 $\text{HNO}_3/\text{H}_2\text{O}$ solutions: *in Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace* (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 61-69 (French sum.), illus., 35 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000820

Mizuno, Yukiko (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan) and Mizuno, Tadahiko.

Photon emission accompanying deformation and fracture of ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 71-80 (French sum.), illus., 23 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000821

Helgerud, M. B. (Stanford University, Geophysics Department, Stanford, CA); Waite, W. F.; Kirby, Stephen H. and Nur, A.

Measured temperature and pressure dependence of compressional (V_p) and shear (V_s) wave speeds in compacted, polycrystalline ice Ih: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 81-87 (French sum.), illus. incl. 1 table, 11 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000822

Rempel, Alan W. (Yale University, Department of Geology and Geophysics, New Haven, CT) and Wettlaufer, J. S.

Segregation, transport, and interaction of climate proxies in polycrystalline ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 89-97 (French sum.), illus., 25 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada. NSF Grant OPP-9908945.

58000823

Nagashima, Kazushige (Meiji University, Department of Physics, Kawasaki, Japan) and Furukawa, Yoshinori.

Effects of gravity on directional growth and melting of ice crystals in solution: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 99-105 (French sum.), illus., 11 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000824

Yamamoto, Osamu (Osaka University, Department of Chemistry and Research Center for Molecular Thermodynamics, Osaka, Japan); Matsuo, Takasuke; Tsukushi, Itaru and Onoda-Yamamoto, Noriko.

Inelastic neutron scattering and low-energy excitation of amorphous SF₆ hydrate prepared by vapor-deposition technique: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 107-114 (French sum.), illus., 23 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000825

Côté, A. S. (University of Salford, Institute for Materials Research, Salford, United Kingdom); Morrison, I.; Cui, X.; Jenkins, Samantha and Ross, D. K.

Ab-initio density-functional lattice-dynamics studies of ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 115-122 (French sum.), illus., 17 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000826

Whitworth, R. W. (University of Birmingham, School of Physics and Astronomy, Birmingham, United Kingdom).

Point defects and electrical properties of ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 123-125 (French sum.), 13 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000827

Shimizu, Hiroyasu (Gifu University, Department of Materials Science and Technology, Gifu, Japan).

High-pressure Raman and Brillouin studies of single crystalline gas hydrates: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 127-133 (French sum.), illus., 21 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000828

Kaasalainen, Sanna (University of Helsinki, Observatory, Helsinki, Finland); Karttunen, H.; Piironen, J.; Virtanen, J.; Liljestrom, A. and Naranen, J.

Backscattering from snow and ice; laboratory and field measurements: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 135-143 (French sum.), illus. incl. 1 table, February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000829

Clouter, Maynard J. (Memorial University, Department of Physics and Physical Oceanography, St. John's, NF, Canada).

The ice-related research of Harry Kiefte and co-workers: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 145-157 (French sum.), illus., 20 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000830

Arakawa, Masahiko (Hokkaido University, Institute of Low Temperature, Sapporo, Japan) and Petrenko, Victor F.

Observation of crack propagation in saline ice and freshwater ice with fluid inclusion: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 159-166 (French sum.), illus., 7 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000831

Swiderek, Petra (Universität zu Köln, Institut für Physikalische Chemie II, Cologne, Federal Republic of Germany).

Adsorbate-induced changes in the structure of amorphous thin films of ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 167-174 (French sum.), illus., 11 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000832

White, Mary Anne (Dalhousie University, Department of Chemistry and Institute for Research Materials, Halifax, NS, Canada); MacLaren, Douglas C.; Marriott, Robert A. and Zhan, Bi-Zeng.

Thermodynamic stability of clathrate hydrates relative to their separate chemical components: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 175-182 (French sum.), illus., 31 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000833

Chakoumakos, B. C. (Oak Ridge National Laboratory, Oak Ridge, TN); Rawn, C. J.; Rondinone, A. J.; Stern, Laura A.; Circone, Susan; Kirby, Stephen H.; Ishii, Yoshinobu; Jones, C. Y. and Toby, B. H.

Temperature dependence of polyhedral cage volumes in clathrate hydrates: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 183-189 (French sum.), illus. incl. 1 table, 16 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000834

Jones, Stephen J. (National Research Council of Canada, Institute for Marine Dynamics, St. John's, NF, Canada); Gagnon, R. E.; Derradji, A. and Bugden, A.

Compressive strength of iceberg ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 191-200 (French sum.), illus. incl. 2 tables, 11 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000835

Dash, J. G. (University of Washington, Department of Physics, Seattle, WA) and Wettlaufer, J. S.

The surface physics of ice in thunderstorms: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 201-207 (French sum.), illus., 13 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000836

Arakawa, Masahiko (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Petrenko, Victor F. and Chen, Cheng.

Effect of direct- and alternating-current electric fields on friction between ice and metals: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 209-216 (French sum.), illus., 10 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000837

Palumbo, M. E. (INAF, Osservatorio Astrofisico di Catania, Catania, Italy) and Strazzulla, G.

Nitrogen condensation on water ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 217-224 (French sum.), illus., 35 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000838

Jenkins, Samantha (University of Trollhattan/Uddevalla, Department of Informatics and Mathematics, Trollhattan, Sweden); Kirk, S. R.; Côté, A. S.; Ross, D. K. and Morrison, I.
Dependence of the normal modes on the electronic structure of various phases of ice as calculated by ab initio methods: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 225-231 (French sum.), illus. incl. 3 tables, 13 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000839

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

Dielectric and mechanical alterations of snow properties near the melting temperature: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 233-239 (French sum.), illus. incl. 1 table, 17 ref., February 2003. *Meeting*: July 14-19, 2002, Saint John's, NF, Canada.

58000840

Maeno, N. (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Arakawa, Masahiko; Yasutome, A.; Mizukami, N. and Kanazawa, S.

Ice-ice fraction measurements, and water lubrication and adhesion-shear mechanisms: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 241-249 (French sum.), illus., 17 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000841

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

Theoretical study on the diffusion of gases in hexagonal ice by the molecular orbital method: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 251-259 (French sum.), illus. incl. 2 tables, 18 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000842

Gagnon, Robert (National Research Council of Canada, Institute for Marine Dynamics, St. John's, NF, Canada).

High-speed video analysis of fracture propagation in a thick-edge-loaded freshwater ice sheet: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 261-269 (French sum.), illus., 11 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000843

Stern, Laura A. (U. S. Geological Survey, Menlo Park, CA); Circone, Susan; Kirby, Stephen H. and Durham, William B.

Temperature, pressure, and compositional effects on anomalous or “self” preservation of gas hydrates: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 271-283 (French sum.), illus., 24 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000844

Nasello, O. B. (Universidad Nacional de Córdoba, Facultad de Matemática Astronomía y Física, Cordoba, Argentina) and Di Prinzio, C. L.

Ice-surface properties analyzed through grain-boundary migration: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 285-291 (French sum.), illus. incl. 1 table, 16 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000845

Petrich, Chris (University of Otago, Physics Department, Dunedin, New Zealand); Haskell, Tim G. and Langhorne, Pat J.

Structure of refrozen cracks in first-year sea ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 293-299 (French sum.), illus., 23 ref., February 2003.

Meeting: July 14-19, 2002, Saint John's, NF, Canada.

58000846

Schrivier-Mazzuoli, L. (Université Pierre et Marie Curie, Laboratoire de Physique Moléculaire et Applications, Paris, France); Schriver, A. and Chaabouni, H.

Photo-oxidation of SO₂ and of SO₃ trapped in amorphous water ice studied by IR spectroscopy; implications for Jupiter's satellite Europa: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 301-309 (French sum.), illus., 33 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000847

Gold, Lorne W. (National Research Council of Canada, Institute for Marine Dynamics, St. John's, NF, Canada).

Strain and temperature dependence of crack populations in columnar grain ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 311-318 (French sum.), illus., 15 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000848

Perrier, Sébastien (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint Martin d'Hères, France); Sassin, Patricia and Dominé, Florent.

Diffusion and solubility of HCHO in ice; preliminary results: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 319-324 (French sum.), illus. incl. 1 table, 27 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000849

Moore Plummer, Patricia L. (University of Missouri, Departments of Physics and Chemistry, Columbia, MO).

Computational studies of ice defects: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 325-332 (French sum.), illus. incl. 1 table, 16 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000850

Sadtchenko, Vlad (Indiana University, Department of Chemistry, Bloomington, IN) and Ewing, George E.

A new approach to the study of interfacial melting of ice; infrared spectroscopy: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 333-341 (French sum.), illus., 31 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada. NSF Grant CHE-9816299.

58000851

Chuvilin, E. M. (National Institute of Advanced Industrial Science and Technology, Sapporo, Japan); Ebinuma, T.; Kamata, Y.; Uchida, T.; Takeya, S.; Nagao, J. and Narita, H.

Effects of temperature cycling on the phase transition of water in gas-saturated sediments: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 343-350 (French sum.), illus., 8 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000852

Uchida, T. (Institute for Energy Utilization, Gas Hydrate Research Group, Sapporo, Japan); Takeya, S.; Wilson, Lee D.; Tulk, C. A.; Ripmeester, John A.; Nagao, J.; Ebinuma, T. and Narita, H.

Measurements of physical properties of gas hydrates and in situ observations of formation and decomposition processes via Raman spectroscopy and X-ray diffraction: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 351-357 (French sum.), illus. incl. 1 table, 16 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000853

Uchida, T. (AIST, Institute for Energy Utilization, Japan); Okabe, R.; Gohara, K.; Mae, S.; Seo, Y.; Lee, H.; Takeya, S.; Nagao, J.; Ebinuma, T. and Narita, H.

Raman spectroscopic observations of methane-hydrate formation and hydrophobic hydration around methane molecules in solution: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 359-366 (French sum.), illus., 8 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000854

Beta, I. A. (University of Manchester, Institute of Science and Technology (UMIST), Department of Physics, Manchester, United Kingdom); Kolesnikov, A. I.; Michalarias, I.; Wu, G. L.; Ford, R. C. and Li, J. C.

Incoherent inelastic neutron-scattering studies of the structure of water associated with DNA and gelatin: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 367-371 (French sum.), illus., 18 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000855

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

Ductile flow of methane hydrate: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 373-380 (French sum.), illus., 33 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000856

Petrenko, Victor F. (Dartmouth College, Thayer School of Engineering, Hanover, NH) and Peng, S.

Reduction of ice adhesion to metal by using self-assembling monolayers (SAMs): *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 387-393 (French sum.), illus., 9 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000857

Iliescu, D. (Dartmouth College, Thayer School of Engineering, Hanover, NH); Baker, Ian and Li, X.

The effects of sulfuric acid on the creep, recrystallization, and electrical properties of ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 395-400 (French sum.), illus., 18 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000858

Wang, Y. (University of Manchester, Department of Physics, Manchester, United Kingdom); Kolesnikov, A. I.; Dong, S. L. and Li, J. C.

Neutron-scattering studies of the phase transitions in high-pressure ices during annealing: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 401-407 (French sum.), illus., 35 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000859

Wang, Y. (University of Manchester Institute of Science and Technology, Department of Physics, Manchester, United Kingdom) and Li, J. C.

Diffuse neutron-scattering studies of ice Ih under high pressure: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 409-413 (French sum.), illus. incl. 1 table, 14 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000860

Suzanne, J. (CNRS-CRMC2, Marseilles, France); Ferry, D.; Demirdjian, B.; Girardet, C.; Troubin, C.; Picaud, S. and Hoang, P. N. M.

The effect of HCl adsorption on the structure and dynamics of the ice surface: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 415-422 (French sum.), illus. incl. 1 table, 18 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000861

Suzanne, J. (CNRS-CRMC2, Marseilles, France); Ferry, D.; Popovitcheva, O. and Shonija, N. K.

Ice nucleation by kerosene soot under upper tropospheric conditions: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 423-429 (French sum.), illus. incl. 1 table, 18 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000862

Rawn, C. J. (Oak Ridge National Laboratory, Oak Ridge, TN); Rondinone, A. J.; Chakoumakos, B. C.; Circone, Susan; Stern, Laura A.; Kirby, Stephen H. and Ishii, Y.

Neutron powder diffraction studies as a function of temperature of structure II hydrate formed from propane: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 431-438 (French sum.), illus., 8 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000863

Gross, Gerardo Wolfgang (New Mexico Institute of Mining and Technology, Department of Earth and Environmental Science, Socorro, NM).

Nitrates in ice; uptake; dielectric response by the layered capacitor method: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 439-450 (French sum.), illus. incl. 1 table, 40 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000864

Moon, Changman (University of Warwick, Department of Chemistry, Coventry, United Kingdom); Taylor, Paul C. and Rodger, P. Mark.

Clathrate nucleation and inhibition from a molecular perspective: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 451-457 (French sum.), illus., 11 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000865

Legagneux, Loïc (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint Martin d'Hères, France); Lauzier, Thomas; Dominé, Florent; Kuhs, Werner F.; Heinrichs, Till and Techmer, Kirsten.

Rate of decay of specific surface area of snow during isothermal experiments and morphological changes studied by scanning electron microscopy: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 459-468 (French sum.), illus. incl. 2 tables, 25 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000866

Fitzgerald, Edwin R. (Johns Hopkins University, Baltimore, MD).

Dynamic mechanical measurements of fresh-water ice during freezing and thawing; preliminary results: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 469-477 (French sum.), illus., 16 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000867

Takeya, S. (National Institute of Advanced Industrial Science and Technology, Sapporo, Japan); Kamata, Y.; Uchida, T.; Nagao, J.; Ebinuma, T.; Narita, H.; Hori, Akira and Hondoh, Takeo.

Coexistence of structure I and II hydrates formed from a mixture of methane and ethane gases: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 479-484, illus. incl. 1 table, 10 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000868

Itoh, Hidenosuke (Universität Göttingen, Gottingen, Federal Republic of Germany); Chazallon, Bertrand; Schober, Helmut; Kawamura, Katsuyuki and Kuhs, Werner F.

Inelastic neutron scattering and molecular dynamics studies on low-frequency modes of clathrate hydrates: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 493-501 (French sum.), illus. incl. 1 table, 28 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000869

Klaproth, Alice (Universität Göttingen, Abt. Kristallographie, Gottingen, Federal Republic of Germany); Goreshnik, Evgeny; Staykova, Doroteya; Klein, Helmut and Kuhs, Werner F.

Structural studies of gas hydrates: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 503-518 (French sum.), illus. incl. 1 table, 35 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000870

Fortt, A. (Dartmouth College, Thayer School of Engineering, Hanover, NH); Schulson, E. M. and Russell, E.

Sliding along Coulombic shear faults in ice: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 519-527 (Italian sum.), illus. incl. 2 tables, 18 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000871

Satyawali, Pramod K. (Snow and Avalanche Study Establishment, Manali, India); Sinha, N. K. and Sethi, D. N.

Double-microtoming technique for snow studies: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 529-537 (French sum.), illus., 11 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000872

Loveday, J. S. (University of Edinburgh, School of Physics and Centre for Science at Extreme Conditions, Edinburgh, United Kingdom); Nelmes, R. J.; Klug, D. D.; Tse, J. S. and Desgreniers, S.

Structural systematics in the clathrate hydrates under pressure: *in* Articles from the 10th international conference on the Physics and chemistry of ice—les articles de la 10^e conférence internationale sur la Physique et la chimie de la glace (de Bruyn, John, editor), **Canadian Journal of Physics = Journal Canadien de Physique**, 81(1-2), p. 539-544 (French sum.), illus., 29 ref., February 2003. *Meeting:* July 14-19, 2002, Saint John's, NF, Canada.

58000911

Raymond, Mélanie; Wegmann, Matthias and Funk, Martin.

Inventar gefährlicher Gletscher in der Schweiz [Inventory of hazardous glaciers in Switzerland]: **Mitteilungen der Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie der Eidgenössischen Technischen Hochschule Zürich**, 182, 368 p. (English, French sum.), illus. incl. 11 tables, sketch maps, 204 ref., 2003.

58000912

Andrea, Edgar L. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Fairall, Christopher W.; Persson, Ola G. and Guest, Peter S.

Probability distributions for the inner scale and the refractive index structure parameter and their implications for flux averaging: **Journal of Applied Meteorology**, 42(9), p. 1316-1329, illus., 57 ref., September 2003. Includes appendix. CRREL Report No: ERDC/CRREL MP-03-6099

58000917

Smith, Kenneth A. (Massachusetts Institute of Technology, Department of Chemical Engineering, Cambridge, MA) and Sarofim, Adel F.

Fundamental studies of desalination by freezing: Rep. No. PB80-124316, 72 p., illus. incl. 8 tables, 10 ref., January 1979. Available from: National Technical Information Service (NTIS), Springfield, VA, United States.

58000918

Johannessen, J. A. (Nansen Ocean and Remote Sensing Center, Bergen, Norway); Svendsen, E.; Hansen, L.; Geiger, C.; Hunderi, D.; Johannessen, O. M.; Sandven, S. and Svendsen, H.

Acoustic doppler current profiler report: Nansen Ocean and Remote Sensing Center (NORSC), Bergen, Norway, unpaginated, May 21, 1986.

58000919

Molayem, Benjamin (BENMOL Corporation) and Bardakci, Tevfik.

Dewatering wastewater treatment sludge by clathrate freezing; a bench-scale feasibility study: Rep. No. EPA/600/2-86/075, 27 p., illus. incl. 3 tables, 27 ref., August 1986. Available from: U. S. Environmental Protection Agency, Water Engineering Research Laboratory, Cincinnati, OH, United States. Includes 4 appendices.

58000920

Moore, Robert L., chairperson (U. S. Army Corp of Engineers).

System overview of winter navigation on the Great Lakes-St. Lawrence Seaway system: 22 p., illus. incl. sketch map, 11 ref., October 1977. Available from: Winter Navigation Board 1977-1978, International. Includes appendix; draft.

58000921

Huiskamp, W. J. (Alberta Research Council, Civil Engineering Department, Canada).

Ice force measurements on bridge piers 1980-1982: Rep. No. SWE-83/01, 36 p., illus. incl. 8 tables, 11 ref., July 1983. Available from: Alberta Research Council, Edmonton, AB, Canada. Includes 2 appendices.

58000922

Bratanow, Theodore (University of Wisconsin, Milwaukee, WI); Spehert, Thomas and Kirsop, Perry.

Analysis of velocities and streamlines around full-scale ship hulls: 45 p., illus. incl. 3 tables, 12 ref., 197?. Available from: Informal notes, United States. NSF Grant ENG-76-00354.

58000997

Koenders, B. G. (Shell Global Solutions, France); Stoker, D. A.; Robertus, C.; Larsen, O. and Johansen, J.

WAM-foam, asphalt production at lower operating temperatures: *in* International Society for Asphalt Pavements; Ninth international conference on Asphalt pavements; volume one, proceedings (Denmark, Ministry of Transport, Danish Road Directorate), **International Conference on Asphalt Pavements**, 9, unpaginated, illus. incl. 2 tables, 27 ref., 2002. *Meeting:* Aug. 17-22, 2002, Copenhagen, Denmark.

58000998

Kameyama, Shuichi (Hokkaido Institute of Technology, Department of Civil Engineering, Japan); Kasahara, Atsushi; Kato, Mitsuo; Kawamura, Akira and Himeno, Kenji.

Effects of frost heave on the longitudinal profile of asphalt pavements in cold regions: *in* International Society for Asphalt Pavements; Ninth international conference on Asphalt pavements; volume one, proceedings (Denmark, Ministry of Transport, Danish Road Directorate), **International Conference on Asphalt Pavements**, 9, unpaginated, illus. incl. 1 table, sketch map, 12 ref., 2002. *Meeting:* Aug. 17-22, 2002, Copenhagen, Denmark.

58000999

Doré, Guy (Laval University, Civil Engineering Department, Quebec City, PQ, Canada); Pierre, Pascale and Rioux, Nelson.

Development of a rational design procedure for pavements subjected to frost action: *in International Society for Asphalt Pavements; Ninth international conference on Asphalt pavements; volume one, proceedings (Denmark, Ministry of Transport, Danish Road Directorate), International Conference on Asphalt Pavements*, 9, unpaginated, illus. incl. 3 tables, 18 ref., 2002. *Meeting:* Aug. 17-22, 2002, Copenhagen, Denmark.

58001000

Erlingsson, Sigurdur (University of Iceland, Department of Civil and Environmental Engineering, Reykjavik, Iceland); Bjarnason, Gunnar and Thorisson, Valtyr.

Seasonal variation of moisture and bearing capacity in roads with a thin surface dressing wearing course: *in International Society for Asphalt Pavements; Ninth international conference on Asphalt pavements; volume one, proceedings (Denmark, Ministry of Transport, Danish Road Directorate), International Conference on Asphalt Pavements*, 9, unpaginated, illus. incl. 4 tables, 3 ref., 2002. *Meeting:* Aug. 17-22, 2002, Copenhagen, Denmark.

58001002

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

Hydrological effects of ice: 12 p., illus., 44 ref., 19???. *Available from:* Informal notes, Canada. Appendix includes Young, G. J., Nordic Hydrology, Vol. 11, pp. 285-300, 1980; CRREL Acc. No: 36001315.

58001003

Smith, Joseph A. (U. S. Coast Guard Research and Development Center, Avery Point, Groton, CT); Goodwin, Michael J. and McBride, Matthew S.

Comparative analysis of potential auxiliary icebreaking devices/systems for Great Lakes; Volume I: Rep. No. CG-D-33-81, 51 p., illus., 104 ref., June 1981. *Available from:* U. S. Coast Guard, Office of Research and Development, Washington, DC, United States. Final report; includes 8 appendices.

58001006

Saint Lawrence Seaway Authority, Operations and Maintenance Branch, Technical Services Section.

Navigation season extension studies record of conditions; St. Lawrence River and Great Lakes, winter 1987-1988: variously paginated, illus. incl. sketch maps, October 1988. *Available from:* Saint Lawrence Seaway Authority, Operations and Maintenance Branch, Cornwall, ON, Canada. Individual reports are cited separately.

58001007

Saint Lawrence Seaway Authority, Operations and Maintenance Branch, Technical Services Section.

Navigation season extension studies record of conditions; St. Lawrence River and Great Lakes, winter 1987-1988: 25 p., illus. incl. sketch maps, October 1988. *Available from:* Saint Lawrence Seaway Authority, Operations and Maintenance Branch, Cornwall, ON, Canada.

58001008

Saint Lawrence Seaway Authority, Operations and Maintenance Branch, Technical Services Section.

Navigation season extension studies record of conditions; St. Lawrence River and Great Lakes, winter 1987-1988: 9 p., illus. incl. sketch maps, October 1988. Available from: Saint Lawrence Seaway Authority, Operations and Maintenance Branch, Cornwall, ON, Canada.

58001011

Bryce, J. B.

A hydraulic engineering history of the St. Lawrence Power Project with special reference to regulation of water levels and flows: Ontario Hydro, Ontario, Canada, 205 p., illus. incl. sketch maps, January 1982. Includes 3 appendices.

58001012

Lewis, Jack W. (ARCTEC, Columbia, MD); Edwards, Roderick Y., Jr. and Peter, James J.
St. Lawrence Seaway system plan for all year-navigation; subreach selection and ship class definition: Rep. No. TR 0105-1, 46 p., illus. incl. 9 tables, sketch map, 16 ref., May 7, 1968. Available from: U. S. Department of Transportation, St. Lawrence Seaway Development Corporation, Massena, NY, United States. Includes appendix.

58001013

Proshutinsky, Andrey Y. (Woods Hole Oceanographic Institution, Physical Oceanography Department, Woods Hole, MA); Johnson, Mark A.; Proshutinsky, Tatiana O. and Maslanik, James A.

Beaufort and Chukchi sea seasonal variability for two Arctic climate states: **OCS Report - MMS**, Rep. No. MMS 2003-024, 197 p., illus. incl. 1 table, sketch maps, 140 ref., June 2003. Final report.

58001340

Greene, Ethan (Forest Service Utah Avalanche Center, Salt Lake City, UT) and Johnson, Greg.

Characterization of a deep slab avalanche cycle: **The Avalanche Review**, 21(2), p. 1, 17-19, illus. incl. 1 table, 20 ref., December 2002.

58001341

Kozak, Mark C. (Colorado State University, Department of Earth Resources, Fort Collins, CO); Elder, Kelly; Birkeland, Karl and Chapman, Phillip.

Investigating the relationship between slab hardness and the stuffblock stability test: **The Avalanche Review**, 21(2), p. 12-13, illus. incl. 3 tables, 9 ref., December 2002.

58001342

Roberts, Jerry (CAIC-CDOT).

Snow and avalanche forecasting education; Prescott College: **The Avalanche Review**, 21(2), p. 14-15, illus., December 2002.

58001343

Lindstrom, C. A. (Helsinki University of Technology, Arctic Offshore Research Centre, Helsinki, Finland).

Numerical estimation of ice forces acting on inclined structure and ships in level ice: *in* Twenty-second annual offshore technology conference, **Proceedings - Offshore Technology Conference**, 22, p. 209-216, illus., 8 ref., 1990. *Meeting:* May 7-10, 1990, Houston, TX.

58001346

Pogrebov, V. B. and Shilin, M. B.

Ekologicheskii monitoring pribreznoi zony arkticheskikh morei [Ecological monitoring of Arctic Ocean shorelines]: Gidrometeoizdat, Saint Petersburg, Russian Federation, 95 p., 21 ref., 2001. ISBN: 5-286-01425-9.

58001347

Zakharov, V. F. and Malinin, V. N.

Morskie l'dy i klimat [Sea ice and climate]: Gidrometeoizdat, Saint Petersburg, Russian Federation, 91 p., illus. incl. 12 tables, 20 ref., 2000. ISBN: 5-286-01398-8.

58001348

Lebedev, G. A. and Sukhorukov, K. K.

Rasprostranenie elektromagnitnykh i akusticheskikh voln v morskem l'du [Electromagnetic and acoustical wave propagation in sea ice]: Gidrometeoizdat, Saint Petersburg, Russian Federation, 81 p., illus. incl. 7 tables, 56 ref., 2001. ISBN: 5-286-01423-2.

58001349

Kontorovich, V. A.

Tektonika i neftegazonosnost' mezozoisko-kainozoiskikh otlozhenii iugo-vostochnykh rayonov Zapadnoi Sibiri [Tectonics and petroleum potential of Mesozoic-Cenozoic deposits of southeastern regions of West Siberia]: Russian Academy of Sciences, Siberian Branch, Branch "GEO", Novosibirsk, Russian Federation, 253 p. 4 sheets, illus.; tectonic map, 1:3,500,000, 282 ref., 2002. ISBN: 5-7692-0550-4.

58001350

Terizev, F. S.; Zatuchnaia, B. M. and Alekseev, A. P., editors.

Beringovo more; Vyupusk 2, Gidrokhimicheskie usloviiia i okeanologicheskie osnovy formirovaniia biologicheskoi produktivnosti [Bering Sea; Issue 2, Hydrochemical conditions and oceanographic bases of formation of biologic productivity]: *in the collection* Gidrometeorologii i hidrokhimiia moreiýT Hydrometeorology and hydrochemistry of ocean (Terziev, F. S., editor; Kalatskii, V. I., editor; Goptarev, N. P., editor; Simonov, A. I., editor; Borisenko, M. M., editor; Borodachev, V. E., editor; Gershmanovich, D. E., editor; Girdyuk, G. V., editor; Kerimov, A. A., editor; Kolesnichenko, N. N., editor; Rozhkov, V. A., editor; Fedorei, V. G., editor).

Gidrometeoizdat, Saint Petersburg, Russian Federation, 10, 134 p., illus., 765 ref., 2001. ISBN: 5-286-01411-9.

58001351

American Society of Civil Engineers (ASCE), Structural Engineering Institute.

Design and construction of frost-protected shallow foundations: **ASCE Standard**, 32-01, 36 p., illus. incl. 4 tables, 31 ref., 2001. ISBN: 0-7844-0564-6. Includes appendix.

58001352

Michel, Bernard.

The mechanical properties of ice related to the icebreaking processes: **Report GCS**, 85-06, 21 p., illus., November 1985.

58001353

Legrand, Michel.

Chimie des neiges et glaces Antarctiques; un reflet de l'environnement [Chemistry of Antarctic snow and ice; a reflection of the environment]: 439 p., illus. incl. 57 tables, 190 ref., Doctoral, May 9, 1985, Université Scientifique et Médicale de Grenoble, Grenoble, France. Available from: Université Scientifique et Médicale de Grenoble, Grenoble, France. Includes appendices.

58001452

DeGaetano, Arthur T. (Cornell University, Department of Soil, Crop, and Atmospheric Sciences, Ithaca, NY); Eggleston, Keith L. and Knapp, Warren W.

Climatology of extreme maximum temperature occurrences for the Northeastern United States: **Northeast Regional Climate Center Research Publication**, Rep. No. RR 93-6, 103 p., illus. incl. 2 tables, 5 ref., December 1993.

58001453

Geiger, Cathleen A. (University of Bergen, Nansen Remote Sensing Center, Bergen, Norway); Sandven, Stein; Johannessen, Johnny Andre; Johannessen, Ola M. and Moen, Ingar. SeaSoar data report from Hakon Mosby during winter MIZEX 1987: **Technical Report - Nansen Remote Sensing Center**, 17, 47 p., illus. incl. tables, 9 ref., October 12, 1988.

58001455

Parker, Carolyn (University of Alaska Museum Herbarium, Fairbanks, AK); Batten, Alan R. and Herriges, James D., Jr.

Botanical survey of selected sites in the White Mountains National Recreation Area and the Steese National Conservation Area, Yukon-Tanana Uplands, Alaska: **BLM - Alaska Technical Report**, Rep. No. 53, 22 p., illus. incl. sketch maps, 56 ref., July 2003. Includes appendices.

58001457

DeGaetano, Arthur T. (Cornell University, Department of Soil, Crop, and Atmospheric Sciences, Ithaca, NY); Wilks, Daniel S. and McKay, Megan.

Atlas of soil freezing depth extremes for the Northeastern United States: **Northeast Regional Climate Center Research Publication**, Rep. No. RR 96-1, 32 p., illus. incl. 1 table, sketch maps, 12 ref., March 1996.

58001510

Zhao Yunhe; Liu, Antony and Geiger, Cathleen A.

Arctic sea ice motion from wavelet analysis of SSM/I data: **Journal of Advanced Marine Science and Technology Society**, 4(2), p. 313-322, illus. incl. sketch maps, 21 ref., 1998.

58001511

U. S. Environmental Protection Agency, Water Division.

Federal field work group report to Congress on Alaska rural sanitation: Rep. No. EPA910/R-95-002, variously paginated, illus. incl. 10 tables, August 1995.

58001512

Asplin, Lars (Copenhagen University, Copenhagen, Denmark); **Brostrom, Goran**; **Evjen, Alfred**; **Geiger, Cathleen A.**; **Gustavson, Bo**; **Holt, Niels**; **Johansson, Lars**; **Loyning, Terje**; **Mattsson, Johan**; **Mork, Kjell Arne**; **Nilsson, Johan**; **Petterson, Heidi**; **Samuel, Paul**; **Sorgard, Eirik** and **Vaananen, Paula**.

Student cruise; January 24-30, 1989 Snadsfjord System in Ryfylke: University of Bergen, Geophysical Institute, Department of Oceanography, Bergen, Norway, 17 p., illus. incl. sketch maps, 4 ref., 1989.

58001513

Johansson, B. M.; **Keinonen, A. J.**; **Stubbs, J. T.**; **Tue-Fee, K.**; **Blanchet, P.**; **Laskow, V.**; **Shaw, J.**; **Glen, I. F.**; **Graham, B.**; **Howard, D.**; **Comfort, G.** and **Yau, G.**

Modelling the broken channel: Rep. No. TP5373E, 65 p., illus. incl. 10 tables, plates, July 1984.

Available from: Canadian Coast Guard, Canada. Final report; includes 7 appendices.

58001514

Burwell, Michael (U. S. Department of the Interior, Minerals Management Service, Anchorage, AK); **Cowles, Cleve**; **Holder, Tim**; **Horowitz, Warren**; **Hubbard, Joel**; **DeBock, Ida**; **Menge, Monnett, Charles**; **Newman, Richard**; **Prentki, Dick**; **Roterman, Lisa**; **Smith, Caryn**; **Tolson, Kathy**; **Thurston, Dennis**; **Treacy, Steve**; **Wedemeyer, Kate** and **Williams, Dee**.

Alaska outer continental shelf region; Alaska annual studies plan, final FY 2004: 206 p., illus. incl. tables, sketch maps, 16 ref., September 2003. *Available from:* U. S. Department of the Interior, Minerals Management Service, Alaska Outer Continental Shelf Region, Anchorage, AK, United States.

publisher <http://www.mms.gov/alaska>

58001519

Finnsson, Arni.

Thjorsarver wetlands saved: **WWF Arctic Bulletin**, 1.03, p. 4, illus., March 23, 2003.

58001520

Pedersen, Hans.

Low energy house: **WWF Arctic Bulletin**, 1.03, p. 6, illus., March 23, 2003.

58001521

Woolford, Julian.

Climate cost for Canadian Arctic: **WWF Arctic Bulletin**, 1.03, p. 9, March 23, 2003.

58001522

Smith, Samantha.

Climate change in the Arctic: **WWF Arctic Bulletin**, 1.03, p. 10-11, illus. incl. portr., March 23, 2003.

58001523

Woolford, Julian.

Ships of old help map global warming: **WWF Arctic Bulletin**, 1.03, p. 12-13, illus. incl. sketch map, March 23, 2003.

58001524

Tannerfeldt, Magnus.

Swedish expedition wants international co-operation: **WWF Arctic Bulletin**, 1.03, p. 14-15, illus., March 23, 2003.

58001525

Nagoda, Dag.

What hope for the Barents?: **WWF Arctic Bulletin**, 1.03, p. 18-19, illus. incl. sketch map, March 23, 2003.

58001526

Maerli, Morten Bremer (Norwegian Institute of International Affairs, Norway).

Nuclear threat in the Barents region: **WWF Arctic Bulletin**, 1.03, p. 18-19, illus. incl. sketch map, March 23, 2003.

58001527

Epps, Sarah A. (U. S. Army Cold Regions Research and Engineering Laboratory, Anchorage, AK).

Historical photographic analysis of the Building 786 Site, Fort Richardson, Alaska: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-9, 17 p., illus. incl. 2 tables, sketch maps, 4 ref., April 2003. (Letter report LR119). Includes appendix.

58001528

Snodgrass, Randall D. (World Wildlife Fund).

Victory; but the battle is not over: **WWF Arctic Bulletin**, 1.03, p. 20-21, illus., March 23, 2003.

58001529

Smith, Samantha (WWF International Arctic Programme, Oslo, Norway).

PCB cleanup in the Russian Arctic; now for the hard part: **WWF Arctic Bulletin**, 1.02, p. 4, illus., April 18, 2002.

58001530

Kurvits, Tina (CAFF International Secretariat, International) and Hansen, Jan-P. Huberth.

Circumpolar protected areas network revitalized: **WWF Arctic Bulletin**, 1.02, p. 5, illus., April 18, 2002.

58001531

Weller, Gunter (ACIA Secretariat, AK).

Arctic Climate Impact Assessment (ACIA) update: **WWF Arctic Bulletin**, 1.02, p. 6-7, illus., April 18, 2002.

58001532

Finnsson, Arni (Iceland Nature Conservation Association, Iceland).

Massive hydropower project on Iceland postponed: **WWF Arctic Bulletin**, 1.02, p. 6-7, illus. incl. sketch map, April 18, 2002.

58001533

Dunn, Pat (Parks Canada, Nunavut Field Office, Canada) and Gertsch, Frances.

Canada's newest national park protects diverse Arctic ecosystems: **WWF Arctic Bulletin**, 1.02, p. 12-13, illus., April 18, 2002.

58001534

Hall, Adrienne (U. S. National Park Service) and Tranel, Mike.

Backcountry management planning in Denali National Park and Preserve, Alaska: **WWF Arctic Bulletin**, 1.02, p. 12-14, illus., April 18, 2002.

58001535

Forbes, Bruce (Arctic Center, Rovaniemi, Finland).

Small-scale disturbances have significant effects on Arctic tundra: **WWF Arctic Bulletin**, 1.02, p. 14, illus., April 18, 2002.

58001536

Kerr, Andrew (WWF Climate Change Campaign, Netherlands) and Rosentrater, Lynn.

Arctic nations needed for Kyoto ratification: **WWF Arctic Bulletin**, 1.02, p. 15, illus., April 18, 2002.

58001537

Ewins, Peter (WWF-Canada, Arctic Conservation, Canada) and Carpenter, William.

The Mackenzie Valley; balancing nature, culture and natural gas: **WWF Arctic Bulletin**, 1.02, p. 20-21, illus. incl. sketch map, April 18, 2002.

58001538

Janoo, Vincent C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Cortez, Edel R.; Irwin, Lynne; Yang, Wei-Shih and Petros, Katherine.

Influence of subgrade type and moisture content on failure criteria: *in* Proceedings of the International conference on Highway pavement data, analysis and mechanistic design applications; Volume I, Ohio University, Ohio Research Institute for Transportation and the Environment, Athens, OH, p. 7-11, 6 ref., 2003. *Meeting:* Sept. 7-10, 2003, Columbus, OH. CRREL Report No: ERDC/CRREL MP-03-6113

58001539

Dempsey, Brian A. (Pennsylvania State University, Department of Environmental Engineering, University Park, PA); DeWolfe, James; Lunetta, Mark and Elias, Steven.

Evaluation of chemical and physical characteristics of water treatment residuals before and after a freeze-thaw cycle: 90 p., illus. incl. 28 tables, 59 ref., June 1993. *Available from:* New Jersey Department of Environmental Protection & Energy, Division of Science & Research, Trenton, NJ, United States.

58001540

German and Milne.

A program of tests to determine the icebreaking capability of an icebreaker fitted alternatively with three bow forms: 41 p., illus., 11 ref., July 1969. *Available from:* Canadian Department of Transport, Ottawa, ON, Canada. Includes 5 appendices.

58001622

Ramseier, René O. and Lapp, David J., editors.

SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs: variously paginated, illus., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada. Individual papers within scope are cited separately; Includes appendices.

58001623

Hawkins, R. K. (Canada Centre for Remote Sensing, Ottawa, ON, Canada); Livingstone, C. E.; Gray, A. L.; Okamoto, K.; Drapier Arsenault, L.; Pearson, D. and Wilkinson, T. L.

Single and multiple parameter microwave signatures of sea ice: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 13 p., illus. incl. 2 tables, 19 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001624

Ketchum, R. D., Jr. (Naval Ocean Research and Development Activity, Ocean Science and Technology Laboratory, NSTL Station, MS) and Farmer, L. Dennis.

Eastern Arctic SURSAT SAR ice experiment; radar signatures of sea ice features: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 14 p., illus. incl. sketch map, 4 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada. NORDA Technical Note 68, August 1980.

58001625

Delker, C. V. (University of Kansas, Remote Sensing Laboratory, Lawrence, KS); Onstott, R. G. and Moore, R. K.

Intermediate results of the radar backscatter study of sea ice in the Beaufort Sea: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 40 p., illus. incl. 3 tables, 4 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada. RSL Technical Report, RSL TR 331-15, March 1980.

58001626

Skou, N. (Technical University of Denmark, Electromagnetics Institute, Lyngby, Denmark).

Microwave signatures of sea ice in the marginal ice zone: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus., 7 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001627

Livingstone, C. E. (Canada Centre for Remote Sensing, Canada); Hawkins, R. K.; Gray, A. L.; Okamoto, K.; Wilkinson, T. L.; Young, S.; Drapier Arsenault, L. and Pearson, D.

Classification of Beaufort sea ice using active and passive microwave sensors: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus. incl. 2 tables, 6 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001628

Gray, L.; Gudmansen, P.; Overgaard, S.; Skou, N. and Pedersen, F. Sondergaard.

West Greenland Sea Ice Experiment; SURSAT Report No. 1: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus. incl. 1 table, 25 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001629

Gray, L.

Depression angle study; SURSAT Report No. 2: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus., 18 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001630

Hengeveld, H. G. (Atmospheric Environment Service, Canada).

Qualitative comparison of SLAR and SAR data sets: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 5 p., illus., 1 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001631

Wedler, Edward (Air Earth and Oceans, Surveillance Systems, Oshawa, ON, Canada) and Rossiter, James R.

X-band SAR image response from first year ice off Newfoundland: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus. incl. 6 tables, 24 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001632

Kirby, M. E. (INTERA Environmental Consultants, Ottawa, ON, Canada); Ramseier, René O.; Pearson, D. E. and Dixon, R. G.

The implications of meltponds to the remote sensing of sea ice: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus., 5 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada.

58001633

Inkster, D. R. (Intera Environmental Consultants, Ottawa, ON, Canada) and Lowry, R. T.

Ridge height measurement with SAR: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 15 p., illus. incl. 1 table, 5 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada.

58001634

Pearson, D. (Intera Environmental Consultants, Ottawa, ON, Canada); Livingstone, C. E.; Hawkins, R. K.; Gray, A. L.; Drapier Arsenault, L.; Wilkinson, T. L. and Okamoto, K.

Radar detection of sea-ice ridges and icebergs in frozen oceans at incidence angles from 0° to 90°: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus., 5 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada.

58001635

Kirby, M. E. (Intera Environmental Consultants, Ottawa, ON, Canada) and Lowry, R. T.

Iceberg detectability problems using SAR and SLAR systems: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus., 10 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada. Paper presented at the 5th annual W. T. Pecora symposium on Satellite hydrology, Sioux Falls, South Dakota, June 10-15, 1979.

58001636

Kirby, M. E. (INTERA Environmental Consultants, Ottawa, ON, Canada).

Digital image analysis of SAR imagery for the detection of icebergs: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus. incl. 4 tables, 7 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada. Presented at the sixth Canadian symposium on Remote sensing, Halifax, Nova Scotia, May 1980.

58001637

Denner, W. W. and Keliher, T. E.

Labrador ice dynamics experiment (LIDEX): *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 2 p., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001638

Burke, Hsiao-hua K. (Environmental Research & Technology, Canada); Hardy, Kenneth R. and Barnes, James C.

The special sensor microwave/imager (SSM/I) for the Defense Meteorological Satellite Program (DMSP): *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), unpaginated, 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001639

Tang, G. Y. (State University of New York at Buffalo, Department of Electrical Engineering, Buffalo, NY).

Quantitative analysis of ice radar images using digital image processing techniques: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 11 p., illus. incl. 2 tables, 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001640

Luther, C. A. (Office of Naval Research, Arlington, VA) and Schuchmann, R.

Sea ice detectability as a function of resolution and mixed integration: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 6 p., illus., 1 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001641

Lowry, R. T. (Intera Environmental Consultants, Ottawa, ON, Canada) and Hengeveld, H. G.

Optimizing imaging radar parameters for ice reconnaissance: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus. incl. 4 tables, 6 ref., 1980. *Available from:* NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. *Meeting:* June 23-27, 1980, Toronto, ON, Canada.

58001642

Mercer, J. Bryan (Dome Petroleum, Calgary, AB, Canada); Lowry, R. T. and Leung, S. K. Experimental use of real time SAR imagery in support of oil exploration in the Beaufort Sea: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus. incl. sketch map, 8 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada.

58001643

Rossiter, James R. (Memorial University of Newfoundland, Centre for Cold Ocean Resources Engineering, St. John's, NF, Canada); Butt, Kenneth A.; Gamberg, J. Brian and Ridings, Terry F.

Airborne impulse radar sounding of sea ice: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , unpaginated, illus. incl. sketch maps, 14 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada. Paper presented at the 6th Canadian symposium on Remote sensing, Halifax, Nova Scotia, May 21-23, 1980.

58001644

Rossiter, James R. (Memorial University of Newfoundland, St. John's, NF, Canada); Butt, Kenneth A. and Mercer, J. Bryan.

Impulse radar profile over T-3: *in* SURSAT ice experiment report; Surveillance Satellite Project workshop on Active and passive microwave measurements of sea ice and icebergs (Ramseier, René O., editor; *et al.*), , 2 p., illus., 5 ref., 1980. Available from: NASA, Goddard Space Flight Center, ICEX Science and Applications Working Group, Greenbelt, MD, United States. Meeting: June 23-27, 1980, Toronto, ON, Canada.

58001730

Sandven, Stein (University of Bergen, Nansen Remote Sensing Center, Bergen, Norway); Kovacs, Zsolt; Geiger, Cathleen A.; Olaussen, Tor I. and Johannessen, Ola M.

MIZEX 87; CTD data report from Polar Circle: **Technical Report - Nansen Remote Sensing Center**, 13, 11 p., illus. incl. 4 tables, 5 ref., April 1988.

58001752

Sandven, Stein (University of Bergen, Nansen Remote Sensing Center, Bergen, Norway); Geiger, Cathleen A.; Johannessen, Johnny Andre and Johannessen, Ola M.

CTD data report from Hakon Mosby during Winter MIZEX; March-April 1987: **Technical Report - Nansen Remote Sensing Center**, 3, 70 p., illus. incl. 2 tables, sketch map, 3 ref., April 1987.

58001980

Rosentrater, Lynn.

Lakes show climate impact: **WWF Arctic Bulletin**, 2.03, p. 4-5, June 23, 2003.

58001981

Nagoda, Dag.

Norway reef conservation recognised: **WWF Arctic Bulletin**, 2.03, p. 7, illus., June 23, 2003.

58001982

Finnsson, Arni.

Hope for Iceland's future: **WWF Arctic Bulletin**, 2.03, p. 7, June 23, 2003.

58001983

Rosentrater, Lynn.

To control climate change, alternative energy technologies must be developed: **WWF Arctic Bulletin**, 2.03, p. 8-9, June 23, 2003.

58001984

Nagoda, Dag.

Oil threat to Barents: **WWF Arctic Bulletin**, 2.03, p. 19, illus. incl. sketch map, June 23, 2003.

58001985

Anonymous.

Barents report shows oil risk: **WWF Arctic Bulletin**, 2.03, p. 19, June 23, 2003.

58002076

Seitz, James Frederick.

Geology of Geikie Inlet area, Glacier Bay, Alaska: **U. S. Geological Survey Bulletin**, Rep. No. B 1058-C, p. 61-120, illus.; geol. map, 1959.

58002078

Kopczynski, Sarah E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Lawson, Daniel E.

Preliminary hydrogeological interpretations of the Poleline Road Disposal Area, Fort Richardson, Alaska: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-60, 48 p., illus. incl. sects., strat. col., sketch maps, 7 ref., November 2001. Includes appendix.

58002370

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

Analysis of the waste management practices at Bosnia and Kosovo base camps: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-03-6, 19 p., illus. incl. 7 tables, sketch maps, April 2003.

58002372

Chen Wen (Chinese Academy of Sciences, Institute of Atmospheric Physics, Beijing, China); Graf, Hans F. and Takahashi, Masaaki.

Observed interannual oscillations of planetary wave forcing in the Northern Hemisphere winter: **Geophysical Research Letters**, 29(22), 4 p., illus., 18 ref., November 15, 2002.

58002373

Lunt, D. J. (University of Reading, Department of Meteorology, Reading, United Kingdom) and Valdes, Paul J.

Dust deposition and provenance at the last glacial maximum and present day: **Geophysical Research Letters**, 29(22), 4 p., illus. incl. geol. sketch maps, 30 ref., November 15, 2002.

58002374

Saunders, Mark A. (University College London, Department of Space and Climate Physics, London, United Kingdom) and Qian, Budong.

Seasonal predictability of the winter NAO from North Atlantic sea surface temperatures: **Geophysical Research Letters**, 29(22), 4 p., illus. incl. 1 table, geol. sketch map, 15 ref., November 15, 2002.

58002375

Hu, Aixue (CGD/NCAR, Boulder, CO); Rooth, Claes; Bleck, Rainer and Deser, Clara.

NOA influence on sea ice extent in the Eurasian coastal region: **Geophysical Research Letters**, 29(22), 4 p., illus. incl. geol. sketch map, 14 ref., November 15, 2002.

58002376

Kaplan, Jed O. (Max Planck Institute for Biogeochemistry, Jena, Federal Republic of Germany); Prentice, I. Colin; Knorr, Wolfgang and Valdes, Paul J.

Modeling the dynamics of terrestrial carbon storage since the last glacial maximum: **Geophysical Research Letters**, 29(22), 4 p., illus. incl. 2 tables, 40 ref., November 15, 2002.

58002377

Buck, Leon (University of Wisconsin at Eau Claire, Eau Claire, WI); Chyba, Christopher F.; Goulet, Marc; Smith, Alex and Thomas, Paul.

Persistence of thin ice regions in Europa's ice crust: **Geophysical Research Letters**, 29(22), 4 p., illus. incl. 1 table, 32 ref., November 15, 2002.

58002378

Richmond, A. D. (National Center for Atmospheric Research, High Altitude Observatory, Boulder, CO); Lathuillère, C. and Vennerstroem, S.

Winds in the high-latitude lower thermosphere; dependence on the interplanetary magnetic field: **Journal of Geophysical Research, A, Space Physics**, 108(2), 14 p., illus. incl. table, 72 ref., February 1, 2003.

58002379

Qu Yuexia (Dalian University of Technology, State Key Laboratory of Offshore and Coastal Engineering, Dalian, China).

Characteristic ice forces and zero order moments of ice force spectra: *in* Proceedings of John F. Kennedy student paper competition; XXIX IAHR congress; 21st century, the new era for hydraulic research and its applications (Li Guifen, editor; *et al.*), **Proceedings of ... Congress of International Association for Hydraulic Research**, 29, Student papers, p. 216-222, illus. incl. 1 table, 8 ref., September 2001. *Meeting*: Sept. 16-21, 2001, Beijing, China.

58002380

Atlas, Elliot L. (National Center for Atmospheric Research, Atmospheric Chemistry Division, Boulder, CO); Ridley, Brian A. and Cantrell, Christopher A, prefacers.

Tropospheric ozone production about the spring equinox (TOPSE): **Journal of Geophysical Research, D, Atmospheres**, 108(4), variously paginated, illus. incl. tables, sects., sketch maps, February 27, 2003. Individual papers are cited separately.

58002381

Ridley, Brian A. (National Center for Atmospheric Research, Atmospheric Chemistry Division, Boulder, CO); Atlas, Elliot L.; Montzka, D. D.; Browell, Edward V.; Cantrell, Christopher A.; Blake, Donald R.; Blake, Nicola J.; Cinquini, L.; Coffey, Michael T.; Emmons, Louisa K.; Cohen, R. C.; DeYoung, Russell J.; Dibb, Jack E.; Eisele, F. L.; Flocke, Frank M.; Fried, Alan; Grahek, F. E.; Grant, William B.; Hair, Johnathan W.; Hannigan, James W.; Heikes, Brian J.; Lefer, Barry L.; Mauldin, R. L.; Moody, Jennie L.; Shetter, Richard E.; Snow, Julie A.; Talbot, Robert W.; Thornton, J. A.; Walega, James G.; Weinheimer, Andrew J.; Wert, B. P. and Wimmers, Anthony J.

Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 22 p., illus. incl. geol. sketch maps, 2 tables, block diag., 74 ref., February 27, 2003.

58002382

Weber, R. J. (Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA); Orsini, D.; Wang, B.; Scheuer, Eric; Talbot, Robert W.; Dibb, Jack E.; Seid, Garry K.; DeBell, Linsey; Mauldin, R. L.; Kosciuch, E.; Cantrell, Christopher A. and Eisele, F. L.

Investigations into free tropospheric new particle formation in the central Canadian Arctic during the winter/spring transition as part of TOPSE: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 12 p., illus. incl. 2 tables, geol. sketch map, 41 ref., February 27, 2003.

58002383

Wang, Yuhang (Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA); Ridley, Brian A.; Fried, Alan; Cantrell, Christopher A.; Davis, Douglas; Chen, Gao; Snow, Julie A.; Heikes, Brian J.; Talbot, Robert W.; Dibb, Jack E.; Flocke, Frank M.; Weinheimer, Andrew J.; Blake, Nicola J.; Blake, Donald R.; Shetter, Richard E.; Lefer, Barry L.; Atlas, Elliot L.; Coffey, Michael T.; Walega, James G. and Wert, B. P.

Springtime photochemistry at northern mid and high latitudes: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 32 p., illus., 47 ref., February 27, 2003.

58002384

Blake, Nicola J. (University of California at Irvine, Department of Chemistry, Irvine, CA); Blake, Donald R.; Sive, Barkley J.; Katzenstein, Aaron S.; Meinardi, Simone; Wingenter, Oliver W.; Atlas, Elliot L.; Flocke, Frank M.; Ridley, Brian A. and Rowland, F. Sherwood. The seasonal evolution of NMHCs and light alkyl nitrates at middle to high northern latitudes during TOPSE: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 16 p., illus. incl. 2 tables, geol. sketch maps, 66 ref., February 27, 2003.

58002385

Snow, Julie A. (University of Rhode Island, Center for Atmospheric Chemistry Studies, Narragansett, RI); **Heikes, Brian G.**; **Merrill, John T.**; **Wimmers, Anthony J.**; **Moody, Jennie L.** and **Cantrell, Christopher A.**

Winter-spring evolution and variability of HO_x reservoir species, hydrogen peroxide, and methyl hydroperoxide, in the northern middle to high latitudes: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 15 p., illus. incl. 1 table, geol. sketch map, 59 ref., February 27, 2003.

58002386

Dibb, Jack E. (University of New Hampshire, Institute for the Study of Earth, Oceans and Space, Durham, NH); **Talbot, Robert W.**; **Scheuer, Eric**; **Seid, Garry K.**; **DeBell, Linsey**; **Lefer, Barry L.** and **Ridley, Brian A.**

Stratospheric influence on the northern North American free troposphere during TOPSE; ⁷Be as a stratospheric tracer: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 8 p., illus. incl. 2 tables, 33 ref., February 27, 2003.

58002387

Klonecki, Andrzej A. (National Center for Atmospheric Research, Boulder, CO); **Hess, Peter G.**; **Emmons, Louisa K.**; **Smith, L.**; **Orlando, J.** and **Blake, Donald R.**

Seasonal changes in the transport of pollutants into the Arctic troposphere-model study: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 21 p., illus. incl. 4 tables, geol. sketch maps, 58 ref., February 27, 2003.

58002388

Evans, M. J. (Harvard University, Division of Engineering and Applied Science, Cambridge, MA); **Jacob, D. J.**; **Atlas, Elliot L.**; **Cantrell, Christopher A.**; **Eisele, F. L.**; **Flocke, Frank M.**; **Fried, Alan**; **Mauldin, R. L.**; **Ridley, Brian A.**; **Wert, B. P.**; **Talbot, Robert W.**; **Blake, Donald R.**; **Heikes, Brian**; **Snow, Julie A.**; **Walega, James G.**; **Weinheimer, Andrew J.** and **Dibb, Jack E.**

Coupled evolution of BrO_x-ClO_x-HO_x-NO_x chemistry during bromide-catalyzed ozone depletion events in the Arctic boundary layer: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 11 p., illus. incl. tables, geol. sketch map, 71 ref., February 27, 2003.

58002389

Browell, Edward V. (NASA, Langley Research Center, Atmospheric Sciences, Hampton, VA); **Hair, Johnathan W.**; **Butler, Carolyn F.**; **Grant, William B.**; **DeYoung, Russell J.**; **Fenn, Martha A.**; **Brackett, Vince G.**; **Clayton, Marian B.**; **Brasseur, Lorraine A.**; **Harper, David B.**; **Ridley, Brian A.**; **Klonecki, Andrzej A.**; **Hess, Peter G.**; **Emmons, Louisa K.**; **Tie, Xuexi**; **Atlas, Elliot L.**; **Cantrell, Christopher A.**; **Wimmers, Anthony J.**; **Blake, Donald R.**; **Coffey, Michael T.**; **Hannigan, James W.**; **Dibb, Jack E.**; **Talbot, Robert W.**; **Flocke, Frank M.**; **Weinheimer, Andrew J.**; **Fried, Alan**; **Wert, B. P.**; **Snow, Julie A.** and **Lefer, Barry L.** Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 14 p., illus. incl. 4 tables, geol. sketch maps, 44 ref., February 27, 2003.

58002390

Scheuer, Eric (University of New Hampshire, Institute for the Study of Earth, Oceans and Space, Durham, NH); **Talbot, Robert W.**; **Dibb, Jack E.**; **Seid, Garry K.**; **DeBell, Linsey** and **Lefer, Barry L.**

Seasonal distributions of fine aerosol sulfate in the North American Arctic basin during TOPSE: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 11 p., illus. incl. 1 table, geol. sketch map, 36 ref., February 27, 2003.

58002391

Atlas, Elliot L. (National Center for Atmospheric Research, Atmospheric Chemistry Division, Boulder, CO); **Ridley, Brian A.** and **Cantrell, Christopher A.**

The tropospheric ozone production about the spring equinox (TOPSE) experiment; introduction: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 10 p., illus. incl. sketch map, 2 tables, sect., 60 ref., February 27, 2003.

58002392

Lamarque, J. F. (National Center for Atmospheric Research, Atmospheric Chemistry Division, Boulder, CO) and **Hess, Peter G.**

Model analysis of the temporal and geographical origin of the CO distribution during the TOPSE campaign: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 12 p., illus. incl. sketch maps, 29 ref., February 27, 2003.

58002393

Allen, Dale J. (University of Maryland, Department of Meteorology, College Park, MD); **Dibb, Jack E.**; **Ridley, Brian A.**; **Pickering, Kenneth E.** and **Talbot, Robert W.**

An estimate of stratospheric contribution to springtime tropospheric ozone maxima using TOPSE measurements and beryllium-7 simulations: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 15 p., illus. incl. 4 tables, sect., 63 ref., February 27, 2003.

58002394

Wimmers, Anthony J. (University of Virginia, Department of Environmental Sciences, Charlottesville, VA); **Moody, Jennie L.**; **Bowell, Edward V.**; **Hair, Johnathan W.**; **Grant, William B.**; **Butler, Carolyn F.**; **Fenn, Martha A.**; **Schmidt, Christopher C.**; **Li, Jun** and **Ridley, Brian A.**

Signatures of tropopause folding in satellite imagery: *in Tropospheric ozone production about the spring equinox (TOPSE)* (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 11 p., illus. incl. 1 table, geol. sketch maps, 45 ref., February 27, 2003.

58002395

Cantrell, Christopher A. (National Center for Atmospheric Research, Atmospheric Chemistry Division, Boulder, CO); **Mauldin, R. L.**; **Zondlo, M. A.**; **Eisele, F.**; **Kosciuch, E.**; **Shetter, Richard E.**; **Lefer, Barry L.**; **Hall, S.**; **Campos, T.**; **Ridley, Brian A.**; **Walega, James G.**; **Fried, Alan**; **Wert, B. P.**; **Flocke, Frank M.**; **Weinheimer, Andrew J.**; **Hannigan, James W.**; **Coffey, Michael T.**; **Atlas, Elliot L.**; **Stephens, S.**; **Heikes, B.**; **Snow, Julie A.**; **Blake, Donald R.**; **Blake, Nicola J.**; **Katzenstein, Aaron S.**; **Lopez, J.**; **Browell, Edward V.**; **Dibb, Jack E.**; **Scheuer, Eric**; **Seid, Garry K.** and **Talbot, Robert W.**

Steady state free radical budgets and ozone photochemistry during TOPSE: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 22 p., illus. incl. 2 tables, 92 ref., February 27, 2003.

58002396

Tie, Xuexi (National Center for Atmospheric Research, Boulder, CO); **Emmons, Louisa K.**; **Horowitz, Larry**; **Brasseur, Guy**; **Ridley, Brian A.**; **Atlas, Elliot L.**; **Stroud, Craig**; **Hess, Peter G.**; **Klonecki, Andrzej A.**; **Madronich, Sasha**; **Talbot, Robert W.** and **Dibb, Jack E.**

Effect of sulfate aerosol on tropospheric NO_x and ozone budgets; model simulations and TOPSE evidence: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 15 p., illus. incl. 1 table, geol. sketch maps, 40 ref., February 27, 2003.

58002397

Fried, Alan (National Center for Atmospheric Research, Atmospheric Chemistry Division, Boulder, CO); **Wang, Yuhang**; **Cantrell, Christopher A.**; **Wert, B. P.**; **Walega, James G.**; **Ridley, Brian A.**; **Atlas, Elliot L.**; **Shetter, Rick**; **Lefer, Barry L.**; **Coffey, Michael T.**; **Hannigan, James W.**; **Blake, Donald R.**; **Blake, Nicola J.**; **Meinardi, Simone**; **Talbot, Bob**; **Dibb, Jack E.**; **Scheuer, Eric**; **Wingenter, Oliver W.**; **Snow, Julie A.**; **Heikes, Brian** and **Ehhalt, Dieter**.

Tunable diode laser measurements of formaldehyde during the TOPSE 2000 study; distributions, trends, and model comparisons: *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 22 p., illus. incl. 6 tables, 50 ref., February 27, 2003.

58002398

Mauldin, R. L., III (National Center for Atmospheric Research Atmospheric Chemistry Division, Boulder, CO); **Cantrell, Christopher A.**; **Zondlo, M. A.**; **Kosciuch, E.**; **Ridley, Brian A.**; **Weber, R.** and **Eisele, F. E.**

Measurements of OH, H₂SO₄, and MSA during tropospheric ozone production about the spring equinox (TOPSE): *in* Tropospheric ozone production about the spring equinox (TOPSE) (Atlas, Elliot L., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 108(4), 18 p., illus. incl. 1 table, 34 ref., February 27, 2003.

58002399

Palazzo, Antonio J. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); **Cary, Timothy J.**; **Hardy, Susan E.** and **Lee, C. Richard**.

Root growth and metal uptake in four grasses grown on zinc-contaminated soils: **Journal of Environmental Quality**, 32(3), p. 834-840, illus. incl. 7 tables, 25 ref., June 2003. CRREL Report No: ERDC/CRREL MP-03-6139

58002400

Lear, Carrie (Institute of Marine and Coastal Sciences, New Brunswick, NJ); Elderfield, Harry and Wilson, Paul A.

Fossil thermometers for Earth's climate: *in ODP highlights* (White, Kasey, editor; *et al.*), Joint Oceanographic Institutes, Washington, DC, p. 10, illus., January 2003.

58002401

Barker, Peter (British Antarctic Survey, Cambridge, United Kingdom); Camerlenghi, Angelo; O'Brien, Phil and Cooper, Alan.

History of the Antarctic ice sheet: *in ODP highlights* (White, Kasey, editor; *et al.*), Joint Oceanographic Institutes, Washington, DC, p. 15, illus., January 2003.

58002402

Domack, Eugene (Hamilton College, Clinton, NY).

Clues to global warming found in Antarctica: *in ODP highlights* (White, Kasey, editor; *et al.*), Joint Oceanographic Institutes, Washington, DC, p. 16-17, illus., January 2003.

58002403

Haug, Gerald H. (ETH, Zurich, Switzerland) and Tiedemann, Ralf.

The rise of Panama [abstr.]: *in ODP highlights* (White, Kasey, editor; *et al.*), Joint Oceanographic Institutes, Washington, DC, p. 18, illus. incl. sketch map, January 2003.

58002404

Exon, Neville E. (Geoscience Australia, Australia); Kennett, James P. and Malone, Mitchell J.

Antarctic-Australia separation: *in ODP highlights* (White, Kasey, editor; *et al.*), Joint Oceanographic Institutes, Washington, DC, p. 19, illus. incl. sketch map, January 2003.

58002405

Ringelberg, D. B. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Reynolds, C. M.; Walsh, M. E. and Jenkins, T. F.

RDX loss in a surface soil under saturated and well drained conditions: **Journal of Environmental Quality**, 32(4), p. 1244-1249, illus. incl. 2 tables, 30 ref., August 2003. CRREL Report No: ERDC/CRREL MP-03-6140

58002406

Clow, David W. (U. S. Geological Survey, Water Resources Division, Denver, CO); Sickman, James O.; Striegl, Robert G.; Krabbenhoft, David P.; Elliott, John G.; Dornblaser, Mark; Roth, David A. and Campbell, Donald H.

Changes in the chemistry of lakes and precipitation in high-elevation national parks in the Western United States, 1985-1999: **Water Resources Research**, 39(6), 13 p., illus. incl. 1 table, 40 ref., June 2003.

58002407

Changnon, Stanley A. (Changnon Climatologist, Mahomet, IL) and Karl, Thomas R.

Temporal and spatial variations of freezing rain in the contiguous United States; 1948-2000: **Journal of Applied Meteorology**, 42(9), p. 1302-1315, illus. incl. sketch maps, 27 ref., September 2003.

58002408

Sandiford, Anna (University of Auckland, Department of Geology, Auckland, New Zealand); Newnham, Rewi; Alloway, Brent and Ogden, John.

A 28 000-7600 cal yr BP pollen record of vegetation and climate change from Pukaki Crater, northern New Zealand: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 201(3-4), p. 235-247, illus. incl. strat. col., 1 table, sketch map, 46 ref., December 5, 2003.

58002409

Hu Jianfang (Guangzhou Institute of Geochemistry, State Key Laboratory of Organic Geochemistry, Guangzhou, China); Peng Ping'an; Fang Dianyong; Jia Guodong; Jian Zhimin and Wang Pinxian.

No aridity in Sunda Land during the last glaciation; evidence from molecular-isotopic stratigraphy of long-chain n-alkanes: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 201(3-4), p. 269-281, illus. incl. 2 tables, sketch map, 33 ref., December 5, 2003. Includes appendix.

58002410

Ohta, Satoshi (Tohoku University, Institute of Geology and Paleontology, Sendai, Japan); Kaiho, Kunio and Takei, Tomohiro.

Relationship between surface-water temperature and ice-sheet expansion during the middle Miocene: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 201(3-4), p. 307-320, illus. incl. 3 plates, 4 tables, sketch map, 46 ref., December 5, 2003. *North Atlantic, Southwest Pacific*

58002411

Naidu, Pothuri Divakar (National Institute of Oceanography, Dona Paula, Goa, India) and Niitsuma, Nobuaki.

Carbon and oxygen isotope time series records of planktonic and benthic Foraminifera from the Arabian Sea; implications on upwelling processes: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 202(1-2), p. 85-95, illus. incl. 5 tables, sketch map, 48 ref., December 15, 2003. Natl. Inst. Oceanogr., Contrib. No. 3847. *Quaternary*

58002412

Sprovieri, Rodolfo (Universita di Palermo, Dipartimento di Geologia e Geodesia, Palermo, Italy); Di Stefano, Enrico; Incarbona, Alessandro and Gargano, Maria Elena.

A high-resolution record of the last deglaciation in the Sicily Channel based on Foraminifera and calcareous nannofossil quantitative distribution: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 202(1-2), p. 119-142, illus. incl. 2 tables, sketch map, 75 ref., December 15, 2003. Includes appendices.

58002413

Mulitza, Stefan (Universität Bremen, Geowissenschaften, Bremen, Federal Republic of Germany); Boltovskoy, Demetrio; Donner, Barbara; Meggers, Helge; Paul, André and Wefer, Gerold.

Temperature: $\delta^{18}\text{O}$ relationships of planktonic Foraminifera collected from surface waters: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 202(1-2), p. 143-152, illus. incl. 2 tables, sketch map, 33 ref., December 15, 2003.

58002414

Willan, Robert C. R. (British Antarctic Survey, Geological Sciences Division, Cambridge, United Kingdom).

Provenance of Triassic-Cretaceous sandstones in the Antarctic Peninsula; implications for terrane models during Gondwana breakup: **Journal of Sedimentary Research**, 73(6), p. 1062-1077, illus. incl. charts, 2 tables, sketch maps, 104 ref., November 2003.

58002415

Hoaglund, John R., III (Pennsylvania State University, Earth and Mineral Sciences Environment Institute, University Park, PA); Kolak, Jonathan J.; Long, David T. and Larson, Grahame J.

Analysis of modern and Pleistocene hydrologic exchange between Saginaw Bay (Lake Huron) and the Saginaw Lowlands area: **Geological Society of America Bulletin**, 116(1-2), p. 3-15, illus. incl. sects., sketch maps, 65 ref., February 2004.

58002416

Roy, M. (Oregon State University, Department of Geosciences, Corvallis, OR); Clark, Peter U.; Barendregt, R. W.; Glasmann, J. R. and Enkin, R. J.

Glacial stratigraphy and paleomagnetism of late Cenozoic deposits of the north-central United States: **Geological Society of America Bulletin**, 116(1-2), p. 30-41, illus. incl. sects., 3 tables, sketch map, 25 ref., February 2004.

58002417

Polyak, Victor J. (University of New Mexico, Department of Earth and Planetary Sciences, Albuquerque, NM); Rasmussen, Jessica B. T. and Asmerom, Yemane.

Prolonged wet period in the Southwestern United States through the Younger Dryas: **Geology (Boulder)**, 32(1), p. 5-8, illus. incl. sketch map, 29 ref., January 2004. With GSA Data Repository Item 200401.

58002418

Sherrod, Brian L. (U. S. Geological Survey, Seattle, WA); Brocher, Thomas M.; Weaver, Craig S.; Bucknam, Robert C.; Blakely, Richard J.; Kelsey, Harvey M.; Nelson, Alan R. and Haugerud, Ralph.

Holocene fault scarps near Tacoma, Washington, USA: **Geology (Boulder)**, 32(1), p. 9-12, illus. incl. sketch maps, 22 ref., January 2004.

58002419

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

Thickness and extent of the subglacial till layer beneath an Antarctic paleo-ice stream: **Geology (Boulder)**, 32(1), p. 13-16, illus. incl. sketch maps, 25 ref., January 2004.

58002420

Maslin, Mark (University College of London, Environmental Change Research Centre, London, United Kingdom); Owen, Matthew; Day, Simon and Long, David.

Linking continental-slope failures and climate change; testing the clathrate gun hypothesis: **Geology (Boulder)**, 32(1), p. 53-56, illus. incl. 1 table, sketch map, 40 ref., January 2004.

58002421

Licciardi, Joseph M. (Woods Hole Oceanographic Institution, Department of Marine Chemistry and Geochemistry, Woods Hole, MA); Clark, Peter U.; Brook, Edward J.; Elmore, David and Sharma, Pankaj.

Variable responses of Western U.S. glaciers during the last deglaciation: **Geology (Boulder)**, 32(1), p. 81-84, illus. incl. sketch map, 37 ref., January 2004. With GSA Data Repository Item 2004013; Woods Hole Oceanogr. Inst., Contrib. No. 10579.

58002422

Peterson, Charles H. (University of North Carolina at Chapel Hill, Institute of Marine Sciences, Morehead City, NC); Rice, Stanley D.; Short, Jeffrey W.; Esler, Daniel; Bodkin, James L.; Ballachey, Brenda E. and Irons, David B.

Long-term ecosystem response to the Exxon Valdez oil spill: **Science**, 302(5653), p. 2082-2086, illus. incl. 1 table, sketch map, 47 ref., December 19, 2003.

58002423

Cudden, Judith R. (University of Glasgow, Department of Geography and Geomatics, Glasgow, United Kingdom) and Hoey, Trevor B.

The causes of bedload pulses in a gravel channel; the implications of bedload grain-size distributions: **Earth Surface Processes and Landforms**, 28(13), p. 1411-1428, illus. incl. 5 tables, 48 ref., December 2003.

58002424

Arocena, J. M. (University of Northern British Columbia, College of Science and Management, Prince George, BC, Canada); Zhu, L. P. and Hall, K.

Mineral accumulations induced by biological activity on granitic rocks in Qinghai Plateau, China: **Earth Surface Processes and Landforms**, 28(13), p. 1429-1437, illus. incl. 2 tables, sketch map, 44 ref., December 2003.

58002425

Sumner, Paul (University of Pretoria, Department of Geography, Geoinformatics and Meteorology, Pretoria, South Africa).

A contemporary winter ground thermal profile in the Lesotho highlands and implications for active and relict soil frost phenomena: **Earth Surface Processes and Landforms**, 28(13), p. 1451-1458, illus. incl. sketch map, 29 ref., December 2003.

58002426

Rotnicki, K. (Uniw. A. Mickiewicza, Inst. Badan Czwartorzedu, Poznan, Poland) and Borowka, R. D.

Osady gornego pleni-vistulariu w dolinie dolnej Prosnы pod Macewem a wiek maksymalnego zasiegu ostatniego zlodowacenia podczas fazy leszczynskiej [Upper Pleni-Vistulian deposits in the lower Prosna Valley below Macewo versus the age of the maximum extent of the last glaciation during the Leszno Phase]: **Badania Fizjograficzne nad Polska Zachodnia. Seria A: Geografia Fizyczna**, 40, p. 5-20 (English sum.), sects., geol. sketch maps, 21 ref., 1989.

58002430

Thiede, Jörn; Nees, Stefan; Altenbach, Alexander; Andresen, Nils; Findlay, Claire; Hill, Peter; Howard, Will; Jellinek, Thomas; Jurkschat, Thomas and Laurent, Elisa, editors.
Cruise report SO136 FS Sonne Fahrtbericht SO 136, TASQWA; Wellington-Hobart, October 16-November 12, 1998; Quaternary variability of water masses in the southern Tasman Sea and the Southern Ocean, SW Pacific sector: **GEOMAR-Report**, 89, 192 p. (German, Dutch sum.), illus. incl. sketch maps, 1999.

58002431

Singh, Pratap (National Institute of Hydrology, Roorkee, India); Huebl, H. and Weinmeister, H. W.

Use of the recession characteristics of snowmelt hydrographs in the assessment of snow water storage in a basin: **Hydrological Processes**, 14(1), p. 91-101, illus. incl. sketch map, 13 ref., January 2000.

58002432

McKim, Harlan L. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Haugen, Richard K.; Butler, T. and Walsh, John.

Prediction of mobility/trafficability and maneuver damage using soil moisture and frost data [abstr.]: *in* Geographic information systems workshop; abstract digest (Opitz, Bruce K., chairperson), p. 18-19, 1985. Available from: U. S. Army Engineering Topographic Laboratories (ETL), Fort Belvoir, VA, United States. Meeting: Dec. 10-12, 1985, Springfield, VA. CRREL Report No: ERDC/CRREL MP-03-6138

58002433

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

Using satellite digital data in a geographic information system [abstr.]: *in* Geographic information systems workshop; abstract digest (Opitz, Bruce K., chairperson), p. 57, 1985. Available from: U. S. Army Engineering Topographic Laboratories (ETL), Fort Belvoir, VA, United States. Meeting: Dec. 10-12, 1985, Springfield, VA. CRREL Report No: ERDC/CRREL MP-03-6137

58002434

Haugen, Richard K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Collins, Charles C.; Bailey, Bruce B. and Doe, William W.

Blair Lakes, Alaska, digital terrain analysis [abstr.]: *in* Geographic information systems workshop; abstract digest (Opitz, Bruce K., chairperson), p. 20, 1985. Available from: U. S. Army Engineering Topographic Laboratories (ETL), Fort Belvoir, VA, United States. Meeting: Dec. 10-12, 1985, Springfield, VA. CRREL Report No: ERDC/CRREL MP-03-6136

58002437

Nikitin, P. B. (Nauchno-Issledovatel'skii Institut "Morgeofizika", Murmansk, Russian Federation); Zyuzina, I. A. and Tarasov, Iu. V.

Geologo-ekonomicheskaia otsenka lokalizovannykh resursov nefti i gaza uchastkov Arkticheskogo shel'fa Rossii [Geologic-economic evaluation of petroleum resources localization in Russian Arctic shelf]: *in* Mirovoi okean; mineral'nye resursy Mirovogo okeana, Arktiki i Antarktiki; informatsionno-analiticheskii sbornik; vyp. 3 (Mirchink, I. M., editor), Vserossiiskii Institut Nauchnoi i Tekhnicheskoi Informatsii, Moscow, Russian Federation, p. 53-59 (English sum.), illus., 2 ref., 2001.

58002438

Kalenich, A. P. (Gosudarstvennoe Predpriiatie "Polyarnaia Morskaia Geologorazvedochnaia Ekspeditsii", Saint Petersburg, Russian Federation); Kryukov, V. D.; Lastochkin, A. V. and Semenov, Iu. P.

Syr'evye resursy arkhipelaga Novaia Zemlya [Raw material resources in Novaia Zemlya]: *in Mirovoi okean; mineral'nye resursy Mirovogo okeana, Arktiki i Antarktiki; informatsionno-analiticheskii sbornik*; vyp. 3 (Mirchink, I. M., editor), Vserossiiskii Institut Nauchnoi i Tekhnicheskoi Informatsii, Moscow, Russian Federation, p. 82-89, table, sketch maps, 5 ref., 2001.

58002439

Makar'ev, A. A. (Polyarnaia Morskaia Geologorazvedochnaia Ekspeditsii, Saint Petersburg, Russian Federation); Khlyupin, N. I.; Shkatov, E. P. and Makar'eva, E. M.

Geologicheskoe stroenie i resursnyy potentsial geodinamicheskogo bloka arkhipelaga Zemlya Frantsa Iosifa [Geological structure and mineral resources potential of geodynamic block of Franz Josef Land]: *in Mirovoi okean; mineral'nye resursy Mirovogo okeana, Arktiki i Antarktiki; informatsionno-analiticheskii sbornik*; vyp. 3 (Mirchink, I. M., editor), Vserossiiskii Institut Nauchnoi i Tekhnicheskoi Informatsii, Moscow, Russian Federation, p. 90-98 (English sum.), table, sketch map, 2001.

58002485

Barosh, Patrick J. (P. J. Barosh and Associates, Concord, MA).

Frostquakes in New England: **Engineering Geology**, 56(3-4), p. 389-394, illus. incl. sketch maps, 5 ref., May 2000.

58002499

Boyd, Timothy J. (Oregon State University, College of Oceanic and Atmospheric Sciences, Corvallis, OR); Steele, Michael; Muench, Robin D. and Gunn, John T.

Partial recovery of the Arctic Ocean halocline: **Geophysical Research Letters**, 29(14), 4 p., illus. incl. geol. sketch maps, 1 table, sect., 16 ref., July 15, 2002.

58002500

Webb, David J. (Southampton Oceanography Center, Southampton, United Kingdom) and de Cuevas, Beverly A.

An ocean resonance in the Indian sector of the Southern Ocean: **Geophysical Research Letters**, 29(14), 4 p., illus. incl. geol. sketch map, 9 ref., July 15, 2002.

58002501

Andreev, Andrey (Japan Marine Science and Technology Center, Yokosuka, Japan) and Watanabe, Shuichi.

Temporal changes in dissolved oxygen of the intermediate water in the subarctic North Pacific: **Geophysical Research Letters**, 29(14), 4 p., illus. incl. geol. sketch map, 17 ref., July 15, 2002.

58002502

Dima, Mihai (University of Bucharest, Faculty of Physics, Bucharest, Romania); Rimbu, Norel and Dima, Ioana.

Arctic oscillation variability generated through inter-ocean interactions: **Geophysical Research Letters**, 29(14), 4 p., illus. incl. geol. sketch maps, 17 ref., July 15, 2002.

58002503

Meissner, K. J. (University of Victoria, School of Earth and Ocean Sciences, Victoria, BC, Canada); Schmittner, A.; Wiebe, E. C. and Weaver, A. J.

Simulations of Heinrich events in a coupled ocean-atmosphere-sea ice model: **Geophysical Research Letters**, 29(14), 4 p., illus. incl. 1 table, geol. sketch map, 26 ref., July 15, 2002.

58002504

Kwok, Ron (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA) and Comiso, Josefino C.

Spatial patterns of variability in Antarctic surface temperature; connections to the Southern Hemisphere annular mode and the Southern Oscillation: **Geophysical Research Letters**, 29(14), 4 p., illus. incl. geol. sketch maps, 13 ref., July 15, 2002.

58002505

Yanase, W. (University of Tokyo, Ocean Research Institute, Tokyo, Japan); Niino, H. and Saito, K.

High-resolution numerical simulation of a polar low: **Geophysical Research Letters**, 29(14), 4 p., illus. incl. geol. sketch map, 19 ref., July 15, 2002.

58002506

Lukianova, R. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation); Troshichev, O. and Lu, Gang.

The polar cap magnetic activity indices in the southern (PCS) and northern (PCN) polar caps; consistency and discrepancy: **Geophysical Research Letters**, 29(18), 4 p., illus., 12 ref., September 15, 2002.

58002507

Rahn, Thom (California Institute of Technology, Division of Geological and Planetary Sciences, Pasadena, CA); Eiler, John M.; Kitchen, Nami; Fessenden, Julianna E. and Randerson, James T.

Concentration and δ of molecular hydrogen in boreal forests; ecosystem-scale systematics of atmospheric H_2 : **Geophysical Research Letters**, 29(18), 4 p., illus. incl. 2 tables, 12 ref., September 15, 2002.

58002508

Goosse, H. (Université Catholique de Louvain, Institut d'Astronomie et de Géophysique G. Lemaître, Louvain, Belgium); Renssen, H.; Selten, F. M.; Haarsma, R. J. and Opsteegh, J. D.

Potential causes of abrupt events; a numerical study with a three-dimensional climate model: **Geophysical Research Letters**, 29(18), 4 p., illus. incl. geol. sketch map, 19 ref., September 15, 2002.

58002509

Polyakov, Igor V. (University of Alaska, International Arctic Research Center, Fairbanks, AK); Alekseev, Genrikh V.; Bekryaev, Roman V.; Bhatt, Uma; Colony, Roger L.; Johnson, Mark A.; Karklin, Valerii P.; Makshats, Alexander P.; Walsh, David and Yulin, Alexander V.

Observationally based assessment of polar amplification of global warming: **Geophysical Research Letters**, 29(18), 4 p., illus. incl. 1 table, geol. sketch map, 18 ref., September 15, 2002.

58002510

Dominé, Florent (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, St. Martin d'Hères, France) and Rey-Hanot, Laurence.

Adsorption isotherms of acetone on ice between 193 and 213 K: **Geophysical Research Letters**, 29(18), 4 p., illus., 27 ref., September 15, 2002.

58002511

Knowles, Noah (Scripps Institute of Oceanography, Climate Research Division) and Cayan, Daniel R.

Potential effects of global warming on the Sacramento/San Joaquin watershed and the San Francisco estuary: **Geophysical Research Letters**, 29(18), 4 p., illus. incl. geol. sketch maps, 24 ref., September 15, 2002.

58002512

Wu Bingyi (Chinese Academy of Sciences, Institute of Atmospheric Physics, Beijing, China) and Jia Wang.

Winter Arctic Oscillation, Siberian High and East Asian winter monsoon: **Geophysical Research Letters**, 29(19), 4 p., illus. incl. 1 table, geol. sketch maps, 12 ref., October 1, 2002.

58002513

Orvik, Kjell Arild (University of Bergen, Geophysical Institute, Bergen, Norway) and Niiler, Peter.

Major pathways of Atlantic water in the northern North Atlantic and Nordic seas toward Arctic: **Geophysical Research Letters**, 29(19), 4 p., illus. incl. geol. sketch map, 13 ref., October 1, 2002.

58002514

Otterman, J. (NASA, Goddard Space Flight Center, Greenbelt, MD); Angell, J. K.; Ardizzone, J.; Atlas, R.; Schubert, S.; Starr, D. and Wu, M. L.

North-Atlantic surface winds examined as the source of the winter warming in Europe: **Geophysical Research Letters**, 29(19), 4 p., illus. incl. 1 table, geol. sketch map, 20 ref., October 1, 2002.

58002515

Arrigo, Kevin R. (Stanford University, Department of Geophysics, Stanford, CA); Dunbar, Robert B.; Lizotte, Michael P. and Robinson, D. H.

Taxon-specific differences in C/P and N/P drawdown for phytoplankton in the Ross Sea, Antarctica: **Geophysical Research Letters**, 29(19), 4 p., illus. incl. 2 tables, 22 ref., October 1, 2002.

58002516

Tokar, R. L. (Los Alamos National Laboratory, Los Alamos, NM); Feldman, W. C.; Prettyman, T. H.; Moore, K. R.; Lawrence, D. J.; Elphic, R. C.; Kreslavsky, M. A.; Head, J. W., III; Mustard, J. F. and Boynton, W. V.

Ice concentration and distribution near the south pole of Mars; synthesis of Odyssey and Global Surveyor analyses: **Geophysical Research Letters**, 29(19), 4 p., illus., 13 ref., October 1, 2002.

58002517

Cox, Lynne.

Swimming to Antarctica: **The New Yorker**, 78(45), p. 66-74, illus., February 3, 2003.

58002518

Hegseth, Else N. (University of Tromso, Norwegian College of Fishery Science, Tromso, Norway) and von Quillfeldt, Cecilie H.

Low phytoplankton biomass and ice algal blooms in the Weddell Sea during the ice-filled summer of 1997: **Antarctic Science**, 14(3), p. 231-243, illus. incl. 5 tables, sketch maps, 66 ref., September 2002.

58002519

Martins, C. C. (Universidade de Sao Paulo, Laboratorio de Quimica Organica Marinha, Sao Paulo, Brazil); Venkatesan, M. I. and Montone, R. C.

Sterols and linear alkylbenzenes in marine sediments from Admiralty Bay, King George Island, South Shetland Islands: **Antarctic Science**, 14(3), p. 244-252, illus. incl. 4 tables, sketch map, 30 ref., September 2002.

58002520

Gibson, John A. E. (Australian Antarctic Division, Kingston, Tasmania, Australia) and Andersen, Dale T.

Physical structure of epishelf lakes of the southern Bunger Hills, East Antarctica: **Antarctic Science**, 14(3), p. 253-261, illus. incl. 1 table, sketch map, 39 ref., September 2002.

58002521

Del Valle, Rodolfo A. (Instituto Antártico Argentino, Buenos Aires, Argentina); Montalti, Diego and Inbar, Moshe.

Mid-Holocene macrofossil-bearing raised marine beaches at Potter Peninsula, King George Island, South Shetland Islands: **Antarctic Science**, 14(3), p. 263-269, illus. incl. 4 tables, sketch map, 22 ref., September 2002.

58002522

Bergamasco, A. (National Research Council, Institute for the Study of the Dynamics of Large Masses, Venice, Italy); Defendi, V.; Zambianchi, E. and Spezie, G.

Evidence of dense water overflow on the Ross Sea shelf-break: **Antarctic Science**, 14(3), p. 271-277, illus. incl. 1 table, sketch map, 25 ref., September 2002.

58002523

Gladstone, R. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom) and Bigg, G. R.

Satellite tracking of icebergs in the Weddell Sea: **Antarctic Science**, 14(3), p. 278-287, illus. incl. sketch map, 17 ref., September 2002.

58002524

Tapia, Pedro M. (University of Nebraska, Department of Geosciences, Lincoln, NE) and Harwood, David M.

Upper Cretaceous diatom biostratigraphy of the Arctic Archipelago and northern continental margin, Canada: **Micropaleontology**, 48(4), p. 303-342, illus. incl. 9 plates, 6 tables, sketch maps, 124 ref., 2002.

58002525

Kahraman, Ramazan (King Fahd University of Petroleum and Minerals, Department of Chemical Engineering, Dhahran, Saudi Arabia).

Numerical and experimental investigation of melting of ice involving natural convection: **International Journal of Energy Research**, 26(4), p. 347-354, illus., 21 ref., March 25, 2002.

58002526

Ghinoi, Alessandro (Universita di Modena e Reggio Emilia, Dipartimento di Scienze della Terra, Modena, Italy); Chung, Chang-Jo F.; Bauer, Berthold and Fabbri, Andrea G.

Suscettibilita valanghe a Solden (Tirolo, Austria), modello statistico per la localizzazione delle possibili zone di distacco di valanghe [Snow avalanche susceptibility in Solden (Tyrol, Austria), a statistical model for localising areas of potential snow avalanche release]: *in Qualita dell'ambiente e gestione del territorio* (Geneletti, Davide, editor), **Studi Trentini di Scienze Naturali: Acta Geologica**, 78, p. 69-73 (English sum.), illus. incl. 2 tables, 4 ref., 2001.

58002527

Pfeffer, Karin (University of Utrecht, Utrecht Centre for Environment and Landscape Dynamics, Utrecht, Netherlands) and van Asch, Theo W. J.

Studio d'impatto ambientale di piste da sci e modellizzazione ambientale [Environmental impact assessment study of ski runs and environmental modelling]: *in Qualita dell'ambiente e gestione del territorio* (Geneletti, Davide, editor), **Studi Trentini di Scienze Naturali: Acta Geologica**, 78, p. 75-78 (English sum.), illus., 20 ref., 2001.

58002528

Oldfield, Frank (University of Liverpool, Department of Geography, Liverpool, United Kingdom).

Some personal perspectives on the role of Quaternary science in global change studies: *in Global climate changes during the late Quaternary; selected papers of the Academia Nazionale dei Lincei international conference* (Brambati, Antonio, editor; *et al.*), **Global and Planetary Change**, 40(1-2), p. 3-9, illus., 21 ref., January 2004. *Meeting:* May 3-4, 2001, Rome, Italy.

58002529

Briffa, K. R. (University of East Anglia, Climatic Research Unit, Norwich, United Kingdom); Osborn, T. J. and Schweingruber, F. H.

Large-scale temperature inferences from tree rings; a review: *in Global climate changes during the late Quaternary; selected papers of the Academia Nazionale dei Lincei international conference* (Brambati, Antonio, editor; *et al.*), **Global and Planetary Change**, 40(1-2), p. 11-26, illus., 38 ref., January 2004. *Meeting:* May 3-4, 2001, Rome, Italy.

58002530

Kukla, George J. (Lamont Doherty Earth Observatory, Palisades, NY) and Gavin, Joyce.

Milankovitch climate reinforcements: *in Global climate changes during the late Quaternary; selected papers of the Academia Nazionale dei Lincei international conference* (Brambati, Antonio, editor; *et al.*), **Global and Planetary Change**, 40(1-2), p. 27-48, illus. incl. 1 table, 69 ref., January 2004. *Meeting:* May 3-4, 2001, Rome, Italy.

58002531

Bordi, Isabella (University of Rome "La Sapienza", Department of Physics, Rome, Italy) and Sutera, Alfonso.

Drought variability and its climatic implications: *in Global climate changes during the late Quaternary; selected papers of the Academia Nazionale dei Lincei international conference (Brambati, Antonio, editor; et al.), Global and Planetary Change*, 40(1-2), p. 115-127, illus., 26 ref., January 2004. *Meeting*: May 3-4, 2001, Rome, Italy.

58002532

Mauro, Guglielmin (University of Insubria, Varese, Italy).

Observations on permafrost ground thermal regimes from Antarctica and the Italian Alps, and their relevance to global climate change: *in Global climate changes during the late Quaternary; selected papers of the Academia Nazionale dei Lincei international conference (Brambati, Antonio, editor; et al.), Global and Planetary Change*, 40(1-2), p. 159-167, illus. incl. 2 tables, sketch maps, 21 ref., January 2004. *Meeting*: May 3-4, 2001, Rome, Italy.

58002533

Iacumin, P. (University of Parma, Dipartimento di Scienze della Terra, Parma, Italy); Nikolaev, V.; Ramigni, M. and Longinelli, A.

Oxygen isotope analyses of mammal bone remains from Holocene sites in European Russia; palaeoclimatic implications: *in Global climate changes during the late Quaternary; selected papers of the Academia Nazionale dei Lincei international conference (Brambati, Antonio, editor; et al.), Global and Planetary Change*, 40(1-2), p. 169-176, illus. incl. 1 table, sketch map, 32 ref., January 2004. *Meeting*: May 3-4, 2001, Rome, Italy.

58002534

Sbaffi, Laura (Universita di Urbino, Istituto di Dinamica Ambientale, Italy); Wezel, Forese Carlo; Curzi, Giuseppe and Zoppi, Ugo.

Millennial- to centennial-scale palaeoclimatic variations during Termination I and the Holocene in the central Mediterranean Sea: *in Global climate changes during the late Quaternary; selected papers of the Academia Nazionale dei Lincei international conference (Brambati, Antonio, editor; et al.), Global and Planetary Change*, 40(1-2), p. 201-217, illus. incl. 2 tables, sketch map, 67 ref., January 2004. *Meeting*: May 3-4, 2001, Rome, Italy.

58002535

Rabassa, Jorge (CASIC, Ushuaia, Argentina).

Cuaternario de la Cordillera Patagónica y Tierra del Fuego [Quaternary at the Patagonian Andes and Tierra del Fuego]: *in Geología Argentina* (Caminos, Roberto, editor), **Anales - Dirección Nacional del Servicio Geológico**, Rep. No. 29, p. 710-714, illus. incl. 2 tables, 30 ref., 1999.

58002553

U. S. Department of Agriculture, Washington Snow Survey Office.

Washington water supply outlook, January 1, 2002: *in the collection* Basin outlook reports. 33 p., illus. incl. sketch maps, January 2002. *Available from*: U. S. Department of Agriculture, Natural Resources Conservation Service, Mount Vernon, WA, United States.

58002554

U. S. Department of Agriculture, Washington Snow Survey Office.

Washington basin outlook report; February 1, 2002: *in the collection* Basin outlook reports. 33 p., illus. incl. sketch maps, February 2002. Available from: U. S. Department of Agriculture, Natural Resources Conservation Service, Mount Vernon, WA, United States.

58002555

Hoffman, Eileen and Morgan, Julie.

Field program designed at SO GLOBEC workshop: **GLOBEC Newsletter**, 13, 5 p., illus., 2002.
<http://www.usglobec.org/news/news13/news13.field.program.html>

58002556

Butler, David R. (Southwest Texas State University, James and Marilyn Lovell Center for Environmental Geography and Hazards Research, San Marcos, TX) and Sandford, Hilary J. M.

Imagery scale and type for natural hazards analysis; classroom examples using forest fires and snow avalanches: **Geocarto International**, 17(1), p. 71-76, illus. incl. 1 table, 8 ref., March 2002.

58002557

U. S. Department of Agriculture, Natural Resources Conservation Service.

Washington water supply outlook, June 1, 2002: 6 p., illus. incl. 3 tables, sketch maps, 2002. Available from: U. S. Department of Agriculture, Natural Resources Conservation Service, United States.

58002558

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

Power-laws and snow avalanches: **Geophysical Research Letters**, 29(11), 4 p., illus., 16 ref., June 1, 2002.

58002559

Park, Kwan-Dong (Harvard-Smithsonian Center for Astrophysics, Cambridge, MA); Nerem, R. Steven; Davis, James L.; Schenewerk, Mark S.; Milne, Glenn A. and Mitrovica, Jerry X.

Investigation of glacial isostatic adjustment in the Northeast U.S. using GPS measurements: **Geophysical Research Letters**, 29(11), 4 p., illus. incl. 2 tables, geol. sketch map, 9 ref., June 1, 2002.

58002560

Turetsky, Merritt (University of Alberta, Department of Biological Sciences, Edmonton, AB, Canada); Wieder, Kelman; Halsey, Linda and Vitt, Dale.

Current disturbance and the diminishing peatland carbon sink: **Geophysical Research Letters**, 29(11), 4 p., illus. incl. 1 table, 31 ref., June 1, 2002.

58002561

Boyd, Philip W. (University of Otago, Department of Chemistry, Dunedin, New Zealand);
Jackson, George A. and **Waite, Anya M.**

Are mesoscale perturbation experiments in polar waters prone to physical artefacts? Evidence from algal aggregation modelling studies: **Geophysical Research Letters**, 29(11), 4 p., illus. incl. 1 table, 35 ref., June 1, 2002.

58002562

Murata, Akihiko (Japan Marine Science and Technology Center, Ocean Observation and Research Department, Yokosuka, Japan) and **Takizawa, Takatoshi**.

Impact of a coccolithophorid bloom on the CO₂ system in surface waters of the eastern Bering Sea shelf: **Geophysical Research Letters**, 29(11), 4 p., illus. incl. geol. sketch map, 17 ref., June 1, 2002.

58002563

Bjork, G. (Goteborg University, Department of Oceanography, Goteborg, Sweden);
Soderkvist, J.; **Winsor, P.**; **Nikolopoulos, A.** and **Steele, M.**

Return of cold halocline layer to the Amundsen Basin of the Arctic Ocean; implications for the sea ice mass balance: **Geophysical Research Letters**, 29(11), 4 p., illus. incl. geol. sketch map, 15 ref., June 1, 2002.

58002564

Poulsen, Christopher J. (University of Southern California, Department of Earth Sciences, Los Angeles, CA); **Jacob, Robert L.**; **Pierrehumbert, Raymond T.** and **Huynh, Tran T.**

Testing paleogeographic controls on a Neoproterozoic snowball Earth: **Geophysical Research Letters**, 29(11), 4 p., illus., 16 ref., June 1, 2002.

58002565

Wolff, Eric W. (British Antarctic Survey, Cambridge, United Kingdom); **Jones, Anna E.**; **Martin, Timothy J.** and **Grenfell, Thomas C.**

Modelling photochemical NO_x production and nitrate loss in the upper snowpack of Antarctica: **Geophysical Research Letters**, 29(20), 4 p., illus. incl. 1 table, 26 ref., October 15, 2002.

58002566

Röthlisberger, Regine (British Antarctic Survey, Cambridge, United Kingdom); **Mulvaney, Robert**; **Wolff, Eric W.**; **Hutterli, Manuel A.**; **Bigler, Matthias**; **Sommer, Stefan** and **Jouzel, Jean**.

Dust and sea salt variability in central East Antarctica (Dome C) over the last 45 kyrs and its implications for southern high-latitude climate: **Geophysical Research Letters**, 29(20), 4 p., illus., 22 ref., October 15, 2002.

58002567

Lin, Hai (McGill University, Department of Atmospheric and Oceanic Sciences, Montreal, PQ, Canada); **Derome, Jacques**; **Greatbatch, Richard J.**; **Peterson, K. Andrew** and **Lu, Jian**.

Tropical links of the Arctic Oscillation: **Geophysical Research Letters**, 29(20), 4 p., illus. incl. 1 table, geol. sketch map, 21 ref., October 15, 2002.

58002568

Aoki, Shigeru (National Institute of Polar Research, Center for Antarctic Environment Monitoring, Tokyo, Japan).

Coherent sea level response to the Antarctic Oscillation: **Geophysical Research Letters**, 29(20), 4 p., illus. incl. 2 tables, geol. sketch map, 15 ref., October 15, 2002.

58002569

Francus, Pierre (University of Massachusetts, Department of Geosciences, Amherst, MA); Bradley, Raymond S.; Abbott, Mark B.; Patridge, Whit and Keiming, Frank.

Paleoclimate studies of minerogenic sediments using annually resolved textural parameters: **Geophysical Research Letters**, 29(20), 4 p., illus. incl. 1 table, 30 ref., October 15, 2002.

58002570

Hvidegaard, S. M. (National Survey and Cadastre, Geodynamics Department, Denmark) and Forsberg, R.

Sea-ice thickness from airborne laser altimetry over the Arctic Ocean north of Greenland: **Geophysical Research Letters**, 29(20), 4 p., illus. incl. 3 tables, geol. sketch maps, 10 ref., October 15, 2002.

58002571

Comiso, Josefino C. (NASA, Goddard Space flight Center, Laboratory for Hydrospheric Processes, Greenbelt, MD).

A rapidly declining perennial sea ice cover in the Arctic: **Geophysical Research Letters**, 29(20), 4 p., illus. incl. geol. sketch maps, 21 ref., October 15, 2002.

58002572

Schneider, David P. (University of Washington, Department and Space Sciences, Seattle, WA) and Steig, Eric J.

Spatial and temporal variability of Antarctic ice sheet microwave brightness temperatures: **Geophysical Research Letters**, 29(20), 4 p., illus. incl. geol. sketch maps, 20 ref., October 15, 2002.

58002573

Webster, Jenny (University of Auckland, Environmental Science, Auckland, New Zealand); Webster, Kerry; Nelson, Peter and Waterhouse, Emma.

The behaviour of residual contaminants at a former station site, Antarctica: **Environmental Pollution (1987)**, 123(2), p. 163-179, illus. incl. sketch maps, 24 ref., May 2003.

58002574

Vincent, C. (Centre National de la Recherche Scientifique, Laboratoire de Glaciologie et de Géophysique de l'Environnement, Saint Martin d'Hères, France).

Influence of climate change over the 20th Century on four French glaciers mass balances: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 12 p., illus. incl. 3 tables, geol. sketch map, 42 ref., October 16, 2002.

58002575

Barnard, J. C. (Pacific Northwest National Laboratory, Richland, WA) and Powell, D. M.

A comparison between modeled and measured clear-sky radiative shortwave fluxes in Arctic environments, with special emphasis on diffuse radiation: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 10 p., illus. incl. 5 tables, 24 ref., October 16, 2002.

58002576

Groves, David G. (RAND Corporation, Santa Monica, CA) and Francis, Jennifer A.

Moisture budget of the Arctic atmosphere from TOVS satellite data: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 21 p., illus. incl. 3 tables, geol. sketch map, 53 ref., October 16, 2002.

58002577

Rozwadowska, Anna (National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, MD) and Cahalan, Robert F.

Plane-parallel biases computed from inhomogeneous Arctic clouds and sea ice: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 17 p., illus. incl. 1 table, geol. sketch map, 58 ref., October 16, 2002.

58002578

Lubin, Dan (Scripps Institution of Oceanography, La Jolla, CA); Ricchiazzi, Paul; Payton, Allison and Gautier, Catherine.

Significance of multidimensional radiative transfer effects measured in surface fluxes at an Antarctic coastline: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 9 p., illus. incl. 2 tables, geol. sketch map, 15 ref., October 16, 2002.

58002579

Hara, Keiichiro (National Institute of Polar Research, Tokyo, Japan); Osada, Kazuo; Matsunaga, Katsuji; Sakai, Tetsu; Iwasaka, Yasunobu and Furuya, Keiichi.

Concentration trends and mixing states of particulate oxalate in Arctic boundary layer in winter/spring: **Journal of Geophysical Research, D, Atmospheres**, 107(19), ? p., illus., 15 ref., October 16, 2002.

58002580

Stowasser, M. (Universität Karlsruhe, Institut für Meteorologie und Klimaforschung, Forschungszentrum, Karlsruhe, Federal Republic of Germany); Oelhaf, H.; Ruhnke, R.; Wetzel, G.; Friedl-Vallon, F.; Kleinert, A.; Kouker, W.; Lengel, A.; Maucher, G.; Nordmeyer, H.; Reddmann, T.; Trieschmann, O.; Clarmann, T. V. and Fischer, H.

A characterization of the warm 1999 Arctic winter by observations and modeling; NO_y partitioning and dynamics: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 11 p., illus. incl. 3 tables, geol. sketch map, 69 ref., October 16, 2002.

58002581

Dassau, Terra M. (Purdue University, Department of Chemistry, West Lafayette, IN); Sumner, Ann Louise; Koeniger, Stormy L.; Shepson, Paul B.; Yang, Jie; Honrath, Richard E.; Cullen, Nicolas J.; Steffen, Konrad; Jacobi, Hans-Werner; Frey, Markus and Bales, Roger C.

Investigation of the role of the snowpack on atmospheric formaldehyde chemistry at Summit, Greenland: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 14 p., illus. incl. 4 tables, 59 ref., October 16, 2002.

58002582

Kim, Yongwon (University of Alaska at Fairbanks, Frontier Observational Research System for Global Change, Fairbanks, AK) and Tanaka, Noriyuki.

Winter N₂O emission rate and its production rate in soil underlying the snowpack in a subboreal region, Japan: **Journal of Geophysical Research, D, Atmospheres**, 107(19), 13 p., illus. incl. 4 tables, 57 ref., October 16, 2002.

58002583

Mössinger, Juliane C. (University of Cambridge, Department of Chemistry, Cambridge, United Kingdom); Hynes, Robert G. and Cox, R. Anthony.

Interaction of HOBr and HCl on ice surfaces in the temperature range 205-227 K: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 14 p., illus. incl. 6 tables, 23 ref., December 27, 2002.

58002584

Noone, David (University of Melbourne, School of Earth Sciences, Parkville, Victoria, Australia) and Simmonds, Ian.

Annular variations in moisture transport mechanisms and the abundance of δ¹⁸O in Antarctic snow: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 11 p., illus. incl. geol. sketch maps, 51 ref., December 27, 2002.

58002585

Reijmer, C. H. (Utrecht University, Institute for Marine and Atmospheric Research Utrecht, Utrecht, Netherlands) and Oerlemans, J.

Temporal and spatial variability of the surface energy balance in Dronning Maud Land, East Antarctica: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 12 p., illus. incl. 5 tables, geol. sketch map, 36 ref., December 27, 2002.

58002586

Hirota, Tomoyoshi (National Agricultural Research Center for Hokkaido Region, Sapporo, Japan); Pomeroy, John W.; Granger, Raoul J. and Maule, Charles P.

An extension of the force-restore method to estimating soil temperature at depth and evaluation for frozen soils under snow: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 11 p., illus. incl. 3 tables, 35 ref., December 27, 2002.

58002587

Doran, Peter T. (University of Illinois at Chicago, Earth and Environmental Sciences, Chicago, IL); McKay, Christopher P.; Clow, Gary D.; Dana, Gayle L.; Fountain, Andrew G.; Nylen, Thomas and Lyons, W. Berry.

Valley floor climate observations from the McMurdo dry valleys, Antarctica, 1986-2000: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 12 p., illus. incl. 1 table, geol. sketch map, 36 ref., December 27, 2002.

58002588

Georges, Christian (Innsbruck University, Institute of Geography, Innsbruck, Austria) and Kaser, Georg.

Ventilated and unventilated air temperature measurements for glacier-climate studies on a tropical high mountain site: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 10 p., illus. incl. 2 tables, geol. sketch map, 16 ref., December 27, 2002.

58002589

Groves, David G. (RAND Corporation, Santa Monica, CA) and Francis, Jennifer A.

Variability of the Arctic atmospheric moisture budget from TOVS satellite data: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 15 p., illus. incl. 5 tables, geol. sketch maps, 31 ref., December 27, 2002.

58002590

Stenchikov, Georgiy (Rutgers University, Department of Environmental Sciences, New Brunswick, NJ); Robock, Alan; Ramaswamy, V.; Schwarzkopf, M. Daniel; Hamilton, Kevin and Ramachandran, S.

Arctic Oscillation response to the 1991 Mount Pinatubo eruption; effects of volcanic aerosols and ozone depletion: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 16 p., illus. incl. geol. sketch maps, 104 ref., December 27, 2002.

58002591

Werner, M. (Max-Planck Institute for Biogeochemistry, Jena, Federal Republic of Germany); Tegen, I.; Harrison, S. P.; Kohfeld, K. E.; Prentice, I. C.; Balkanski, Y.; Rodhe, H. and Roelandt, C.

Seasonal and interannual variability of the mineral dust cycle under present and glacial climate conditions: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 19 p., illus. incl. 3 tables, geol. sketch maps, 92 ref., December 27, 2002.

58002592

Koponen, Ismo K. (University of Helsinki, Department of Physical Sciences, Helsinki, Finland); Virkkula, Aki; Hillamo, Risto; Kerminen, Veli-Matti and Kulmala, Markku.

Number size distributions and concentrations of marine aerosols; observations during a cruise between the English Channel and the coast of Antarctica: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 8 p., illus. incl. 1 table, geol. sketch map, 31 ref., December 27, 2002.

58002593

Hynes, Robert G. (University of Cambridge, Department of Chemistry, Cambridge, United Kingdom); Fernandez, Miguel A. and Cox, R. Anthony.

Uptake of HNO_3 on water-ice and coadsorption of HNO_3 and HCl in the temperature range 210-235 K: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 11 p., illus., 33 ref., December 27, 2002.

58002594

Kajii, Yoshizumi (University of Tokyo, Research Center for Advanced Science and Technology, Tokyo, Japan); Kato, Shungo; Streets, David G.; Tsai, Nancy Y.; Shvidenko, Anatoly; Nilsson, Sten; McCallum, Ian; Minko, Nickolay P.; Abushenko, Nickolay; Altyntsev, Dmitry and Khodzer, Tamara V.

Boreal forest fires in Siberia in 1998; estimation of area burned and emissions of pollutants by advanced very high resolution radiometer satellite data: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 8 p., illus. incl. 4 tables, geol. sketch map, 39 ref., December 27, 2002.

58002595

Sturrock, G. A. (Commonwealth Scientific and Industrial Research Organisation, Atmospheric Research, Aspendale, Victoria, Australia); Etheridge, D. M.; Trudinger, C. M.; Fraser, P. J. and Smith, A. M.

Atmospheric histories of halocarbons from analysis of Antarctic firn air; major Montreal Protocol species: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 14 p., illus. incl. 2 tables, 39 ref., December 27, 2002.

58002596

Trudinger, C. M. (Commonwealth Scientific and Industrial Research Organisation, Atmospheric Research, Aspendale, Victoria, Australia); Etheridge, D. M.; Rayner, P. J.; Enting, I. G.; Sturrock, G. A. and Langenfelds, R. L.

Reconstructing atmospheric histories from measurements of air composition in firn: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 13 p., illus., 54 ref., December 27, 2002.

58002597

Lee-Taylor, Julia (National Center for Atmospheric Research, Boulder, CO) and Madronich, Sasha.

Calculation of actinic fluxes with a coupled atmosphere-snow radiative transfer model: **Journal of Geophysical Research, D, Atmospheres**, 107(24), 66 p., illus. incl. 3 tables, 10 ref., December 27, 2002.

58002598

Kaye, Paul (University of Hertfordshire, Science and Technology Research Centre, Hatfield, United Kingdom).

Ice or water?: **NERC News**, 2001, Spring, p. 20-21, illus., 2001.

58002599

Viggiano, A. A. (Air Force Research Laboratory, Space Vehicles Directorate, Hanscom AFB, MA); Hunton, D. E.; Miller, Thomas M. and Ballenthin, John O.

In situ measurements of hydrogen cyanide in the upper troposphere/lower stratosphere during Arctic spring 2000: *in* SAGE 111; ozone loss and validation experiment and Third European stratospheric experiment on ozone-2000 (SOLVE-THESEO); Part 2, **Journal of Geophysical Research, D, Atmospheres**, 108(5), 6 p., illus., 25 ref., March 16, 2003.

58002600

Moore, F. L. (NOAA, Climate Monitoring and Diagnostics Laboratory, Boulder, CO); Elkins, J. W.; Ray, E. A.; Dutton, G. S.; Dunn, R. E.; Fahey, D. W.; McLaughlin, R. J.; Thompson, T. L.; Romashkin, P. A.; Hurst, D. F. and Wamsley, P. R.

Balloonborne in situ gas chromatograph for measurements in the troposphere and stratosphere: *in* SAGE 111; ozone loss and validation experiment and Third European stratospheric experiment on ozone-2000 (SOLVE-THESEO); Part 2, **Journal of Geophysical Research, D, Atmospheres**, 108(5), 20 p., illus. incl. 2 tables, 18 ref., March 16, 2003.

58002601

Eggins, Stephen (Australian National University, Research School of Earth Sciences, Canberra, Australia); De Deckker, Patrick and Marshall, John.

Mg/Ca variation in planktonic Foraminifera tests; implications for reconstructing palaeo-seawater temperature and habitat migration: **Earth and Planetary Science Letters**, 212(3-4), p. 291-306, illus. incl. 1 table, 39 ref., July 25, 2003. *Indian Ocean, Quaternary, Southern Ocean*

58002602

Ramirez, E. (Institut de Recherche pour le Développement, Paris, France); Hoffmann, G.; Taupin, J. D.; Francou, B.; Ribstein, P.; Caillon, N.; Ferron, F. A.; Landais, A.; Petit, J. R.; Pouyaud, B.; Schotterer, U.; Simoes, J. C. and Stievenard, M.

A new Andean deep ice core from Nevado Illimani (6350 m), Bolivia: **Earth and Planetary Science Letters**, 212(3-4), p. 337-350, illus. incl. sketch map, 44 ref., July 25, 2003.

58002603

Kislov, A. V. (Moscow State University, Moscow, Russian Federation); Surkova, G. V.; Tarasov, P. E. and Konstantinov, I. S.

Sopostavlenie rezul'tatov chislennogo modelirovaniia i paleorekonstruktsii klimaticheskikh uslovii pozdnepleistotsenovogo kriokhrona [Comparing digital modelling results and paleoreconstructions of climate of upper Pleistocene criochnone (last glacial maximum)]:

Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia, 2002(5), p. 22-31 (English sum.), illus. incl. 2 tables, 22 ref., October 2002.

58002604

Budnik, S. V. (Ukrainskaia Akademii Agrarnykh Nauk, Institute of Hydrotechniks and Melioration UAAN, Ukraine).

Izmenchivost' morfometricheskikh kharakteristik sklonovykh vodotokov [Changes of morphometric characteristics of slope water flows]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(5), p. 47-51 (English sum.), 1 table, 11 ref., October 2002.

58002605

Elizbarashvili, E. Sh. (Georgian Academy of Sciences, Institute of Hydrometeorology, Georgian Republic) and Elizbarashvili, M. E.

Reiaktsiia razlichnykh tipov landshaftov Zakavkaz'ia na global'noe poteplenie [Different Transcaucasia landscapes reaction to global warming]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(5), p. 52-56 (English sum.), 15 ref., October 2002.

58002606

Ovchinnikov, D. V. (Russian Academy of Sciences, Siberian Brunch, Institute of Forest, Russian Federation).

Rekonstruktsiia letnei temperatury vozdukh i ablyatsii lednika malyy aktru [Reconstruction of summer air temperature and ablation of Malyy Aktru Glacier]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(5), p. 91-96 (English sum.), illus. incl. 5 tables, 19 ref., October 2002.

58002607

Koryakin, V. S. (Russian Academy of Sciences, Kola Science Center, Murmansk Marine Biological Institute, Murmansk, Russian Federation).

Romantik-issledovatel' i organizator izucheniiia Arktiki [Polar researcher and organizer of Arctic region study]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2002(5), p. 101-105 (English sum.), October 2002.

58002608

Kiselev, A. A. (Russian Academy of Sciences, Voeikov Main Geophysical Observatory, Saint Petersburg, Russian Federation) and Karol', I. L.

Response of tropospheric gas composition in northern midlatitudes to a possible methane out-break from the Earth's subsoil to the atmosphere: **Izvestiya, Atmospheric and Oceanic Physics**, 39(5), p. 521-529, illus., 25 ref., October 2003.

58002609

Volodin, E. M. (Russian Academy of Sciences, Institute of Numerical Mathematics, Moscow, Russian Federation).

Projection of the model response excited by a zonally symmetric thermal source onto the Arctic Oscillation: **Izvestiya, Atmospheric and Oceanic Physics**, 39(5), p. 530-535, illus. incl. 1 table, sketch maps, 20 ref., October 2003.

58002610

Ogorodov, S. A. (Lomonosov Moscow State University, Moscow, Russian Federation).

The role of sea ice in the coastal zone dynamics of the Arctic seas: **Water Resources**, 30(5), p. 509-518, illus., 35 ref., October 2003.

58002611

Larionov, G. A. (Moscow State University, Faculty of Geography, Moscow, Russian Federation); Dobrovolskaya, N. G.; Krasnov, S. F. and Liu, B. Y.

The new equation for the relief factor in statistical models of water erosion: **Eurasian Soil Science**, 36(10), p. 1105-1113, illus. incl. 2 tables, 38 ref., October 2003.

58002612

Lukin, V. V., editor.

Rossiiskaia antarkticheskaiia ekspeditsiia; sostoianie prirodnoi sredy Antarktiki, operativnye dannye rossiiskikh antarkticheskikh stantsii [Russian Antarctic expeditions; natural environmental conditions in Antarctica; operational data from Russian Antarctic stations]: **Rossiiskaia Antarkticheskaiia Ekspeditsiia: Kvartal'nyy Byulleten' - Sostoianie Prirodnoi Sredy Antarktiki, Operativnye dannye Rossiiskikh Antarkticheskikh Stantsii**, 2003(1), 48 p., illus. incl. 27 tables, March 2003.

58002613

Pitulko, V. V. (Russian Academy of Sciences, Institute for the History of Material Culture, Saint Petersburg, Russian Federation); Nikolsky, P. A.; Girya, E. Yu.; Basilyan, A. E.; Tumskoy, V. E.; Koulakov, S. A.; Astakhov, S. N.; Pavlova, E. Yu. and Anisimov, M. A.

The Yana RHS site; humans in the Arctic before the last glacial maximum: **Science**, 303(5654), p. 52-56, illus. incl. sect., strat. col., sketch maps, 25 ref., January 2, 2004.

58002614

Stone, Richard.

The surprising survival story in the Siberian Arctic: **Science**, 303(5654), p. 33, illus., January 2, 2004.

58002615

Grant, D. R.

Surficial geology, Stephenville-Port aux Basques, Newfoundland: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1737A, 1 sheet, surficial geology map, 1:250,000, 1991.

58002616

Minning, G. V. and Sharpe, D. R.

Surficial geology, Rat Portage Bay, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1770A, 1 sheet, surficial geology map, 1:100,000, 1991.

58002617

Minning, G. V. and Sharpe, D. R.

Surficial geology, Northwest Angle, Ontario-United States: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1771A, 1 sheet, surficial geology map, 1:100,000, 1991.

58002618

Minning, G. V. and Sharpe, D. R.

Surficial geology, Rowan Lake, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1773A, 1 sheet, surficial geology map, 1:100,000, 1991.

58002619

Cowan, W. R. and Sharpe, D. R.

Surficial geology, Wabigoon Lake, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1774A, 1 sheet, surficial geology map, 1:100,000, 1991.

58002620

Cowan, W. R. and Sharpe, D. R.

Surficial geology, Gold Rock, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1775A, 1 sheet, surficial geology map, 1:100,000, 1991.

58002621

Dyke, A. S. and Green, D. E. C.

Surficial geology, northern Prince of Wales and Russell islands, District of Franklin, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1689A, 1 sheet, surficial geology map, 1:250,000, 1991.

58002622

Morris, T. F. and Dyke, A. S.

Surficial geology, southern Prince of Wales Island, District of Franklin, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1690A, 1 sheet, surficial geology map, 1:250,000, 1991.

58002623

Klassen, R. W.

Surficial geology, Wood Mountain, Saskatchewan: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1802A, 1 sheet, surficial geology map, 1:250,000, 2 ref., 1992.

58002624

Kettles, I. M.; Henderson, P. J. and Henderson, E. P.

Surficial geology, Westport, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1801A, 1 sheet, surficial geology map, 1:50,000, 1 ref., 1992.

58002625

Kettles, I. M.

Surficial geology, Perth, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1800A, 1 sheet, surficial geology map, 1:50,000, 1992.

58002626

Kristjansson, F. J. and Thorleifson, L. H.

Surficial geology, Beardmore-Geraldton, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1768A, 1 sheet, illus. incl. sects.; surficial geology map, 1:100,000, 25 ref., 1991. (Ontario Geological Survey, Colour Map).

58002627

Richard, S. H.

Géologie des formations en surface, Buckingham, Québec-Ontario—Surficial geology, Buckingham, Quebec-Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1670A, 1 sheet, (French, English), surficial geology map, 1:100,000, 2 ref., 1991.

58002628

Jackson, L. E., Jr.; Morison, S. R. and McKenna, K.

Surficial geology, Dragon Lake, Yukon Territory: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1832A, 1 sheet, surficial geology map, 1:100,000, 1993.

58002629

St. Onge, D. A. and McMartin, I.

Surficial geology, Inman River, District of Mackenzie, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1846A, 1 sheet, surficial geology map, 1:250,000, 1994.

58002630

Dredge, L. A.

Surficial geology, Lefroy Bay-Committee Bay, districts of Franklin and Keewatin, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1847A, 1 sheet, surficial geology map, 1:200,000, 1994.

58002631

Dredge, L. A.

Surficial geology, Miertsching Lake, District of Franklin, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1848A, 1 sheet, surficial geology map, 1:200,000, 1994.

58002632

Dredge, L. A.

Surficial geology, Barrow River, District of Franklin, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1849A, 1 sheet, surficial geology map, 1:200,000, 1994.

58002633

Dredge, L. A.

Surficial geology, Winter Island, District of Franklin, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1851A, 1 sheet, surficial geology map, 1:200,000, 1994.

58002634

McMartin, I. and Boucher, R.

Surficial geology of North Moose Lake area: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3060, 1 sheet, surficial geology map, 1:100,000, 7 ref., 1995.

58002635

St. Onge, D. A.

Surficial geology, Coppermine, District of Mackenzie, Northwest Territories: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3076, 1 sheet, surficial geology map, 1:125,000, 5 ref., 1995.

58002636

Huntley, D. H.

Surficial geology of the Churn Creek, Dog Creek, Empire Valley and Mount Alex map areas, British Columbia: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3155, 1 sheet, surficial geology map, 1:50,000, 5 ref., 1995.

58002637

Ward, B. C.; Dredge, L. A. and Kerr, D. E., compilers.

Surficial geology, Contwoyto Lake, District of Mackenzie, Northwest Territories: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3200, 1 sheet, surficial geology map, 1:125,000, 1995.

58002638

Dredge, L. A.; Ward, B. C. and Kerr, D. E., compilers.

Surficial geology, Aylmer Lake, District of Mackenzie, Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1867A, 1 sheet, illus. incl. surficial geology map, 1:125,000, 11 ref., 1995.

58002646

Meinen, Christopher S. (University of Hawaii at Manoa, Honolulu, HI) and Luther, Douglas S.

Comparison of methods of estimating mean synoptic current structure in "stream coordinates" reference frames with an example from the Antarctic Circumpolar Current: **Deep-Sea Research. Part I: Oceanographic Research Papers**, 50(2), p. 201-220, illus. incl. sketch map, 30 ref., February 2003. NSF Grants OCE-92-04113 and OCE-99-11974.

58002647

Lydersen, Christian (Norwegian Polar Institute, Tromso, Norway); Nost, Ole Anders; Lovell, Phil; McConnell, Bernie J.; Gammelsrod, Tor; Hunter, Colin; Fedak, Michael A. and Kovacs, Kit M.

Salinity and temperature structure of a freezing Arctic fjord; monitored by white whales (*Delphinapterus leucas*): **Geophysical Research Letters**, 29(23), 4 p., illus. incl. geol. sketch map, sects., block diag., 27 ref., December 1, 2002.

58002648

Wang, Zhaomin (McGill University, Department of Atmospheric and Oceanic Sciences, Montreal, PQ, Canada) and Mysak, Lawrence A.

Simulation of the last glacial inception and rapid ice sheet growth in the McGill paleoclimate model: **Geophysical Research Letters**, 29(23), 4 p., illus. incl. 1 table, 17 ref., December 1, 2002.

58002649

Proshutinsky, A. (Woods Hole Oceanographic Institution, Physical Oceanography Department, Woods Hole, MA); Bourke, R. H. and McLaughlin, F. A.

The role of the Beaufort Gyre in Arctic climate variability; seasonal to decadal climate scales: **Geophysical Research Letters**, 29(23), 4 p., illus. incl. 1 table, geol. sketch maps, 11 ref., December 1, 2002.

58002650

Rathke, Carsten (Freie Universität, Institut für Weltraumwissenschaften, Berlin, Federal Republic of Germany); Notholt, Justus; Fischer, Jürgen and Herber, Andreas.

Properties of coastal Antarctic aerosol from combined FTIR spectrometer and sun photometer measurements: **Geophysical Research Letters**, 29(23), 4 p., illus., 32 ref., December 1, 2002.

58002651

Marshall, H. P. (University of Colorado at Boulder, Department of Civil, Environmental, and Architectural Engineering, Boulder, CO); Harper, J. T.; Pfeffer, W. Tad and Humphrey, N. F.

Depth-varying constitutive properties observed in an isothermal glacier: **Geophysical Research Letters**, 29(23), 4 p., illus. incl. block diag., 26 ref., December 1, 2002.

58002652

Luckman, Adrian (University of Wales Swansea, Department of Geography, Swansea, United Kingdom); Murray, Tavi and Strozzi, Tazio.

Surface flow evolution throughout a glacier surge measured by satellite radar interferometry: **Geophysical Research Letters**, 29(23), 4 p., illus. incl. geol. sketch maps, 22 ref., December 1, 2002.

58002653

Donnadieu, Yannick (CE-Saclay, LSCE, Gif sur Yvette, France); Ramstein, Gilles; Fluteau, Frederic; Besse, Jean and Meert, Joseph.

Is high obliquity a plausible cause for Neoproterozoic glaciations?: **Geophysical Research Letters**, 29(23), 4 p., illus. incl. geol. sketch maps, 20 ref., December 1, 2002.

58002654

Vinje, Torgny (University of Alaska Fairbanks, International Arctic Research Center, Fairbanks, AK); Loyning, Terje Brinck and Polyakov, Igor.

Effects of melting and freezing in the Greenland Sea: **Geophysical Research Letters**, 29(23), 4 p., illus. incl. 1 table, geol. sketch maps, 14 ref., December 1, 2002.

58002655

McConnell, Joseph R. (Desert Research Institute, Division of Hydrologic Sciences, Reno, NV); Lamorey, Gregg W. and Hutterli, Manuel A.

A 250-year high-resolution record of Pb flux and crustal enrichment in central Greenland: **Geophysical Research Letters**, 29(23), 4 p., illus., 23 ref., December 1, 2002.

58002656

Holland, M. M. (National Center for Atmospheric Research, Boulder, CO) and Bitz, C. M.

Polar amplification of climate change in coupled models: **Climate Dynamics**, 21(3-4), p. 221-232, illus. incl. 4 tables, 34 ref., September 2003.

58002657

Lynch, A. H. (University of Colorado at Boulder, Program in Atmospheric and Oceanic Sciences, Boulder, CO); Rivers, A. R. and Bartlein, P. J.

An assessment of the influence of land cover uncertainties on the simulation of global climate in the early Holocene: **Climate Dynamics**, 21(3-4), p. 243-256, illus. incl. sketch map, 60 ref., September 2003. NSF Grants OPP-00-01476, OPP-00-01643, and ATM-00-01643.

58002658

Khodri, M. (CEA-CNRS, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Ramstein, Gilles; de Noblet-Ducoudré, N. and Kageyama, M.

Sensitivity of the northern extratropics hydrological cycle to the changing insolation forcing at 126 and 115 ky BP: **Climate Dynamics**, 21(3-4), p. 273-287, illus. incl. 1 table, 56 ref., September 2003.

58002659

Genthon, C. (CNRS/OSUG, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint Martin d'Heres, France); Krinner, G. and Sacchettini, M.

Interannual Antarctic tropospheric circulation and precipitation variability: **Climate Dynamics**, 21(3-4), p. 289-307, illus. incl. 1 table, sketch map, 37 ref., September 2003.

58002660

Sturaro, G. (CNR, Institute of Atmospheric Sciences and Climate, Padua, Italy).

A closer look at the climatological discontinuities present in the NCEP/NCAR reanalysis temperature due to the introduction of satellite data: **Climate Dynamics**, 21(3-4), p. 309-316, illus. incl. 3 tables, sketch maps, 20 ref., September 2003.

58002661

Gazdzicki, Andrzej (PAN Instytut Paleobiologii, Warsaw, Poland) and Majewski, Wojciech.

Recent Foraminifera from Goulden Cove of King George Island, Antarctica: **Polish Polar Research**, 24(1), p. 3-12, illus. incl. 1 table, sketch map, 17 ref., 2003.

58002662

Pudelko, Rafal (Instytut Uprawy Nawozenia i Gleboznawstwa, Pulawy, Poland).

Topographic map of the SSSI No. 8, King George Island, West Antarctica: **Polish Polar Research**, 24(1), p. 53-60, illus. incl. 1 table, sketch maps, 12 ref., 2003.

58002663

Hoppema, Mario (Alfred Wegener Institute for Polar and Marine Research, Climate System Department, Bremerhaven, Federal Republic of Germany).

Weddell Sea turned from source to sink for atmospheric CO₂ between pre-industrial time and present: **Global and Planetary Change**, 40(3-4), p. 219-231, illus. incl. 3 tables, sketch map, 59 ref., February 2004.

58002664

Mollenhauer, Gesine (Universität Bremen, Fachbereich Geowissenschaften, Woods Hole, MA); Schneider, Ralph R.; Jennerjahn, Tim; Müller, Peter J. and Wefer, Gerold.

Organic carbon accumulation in the South Atlantic Ocean; its modern, mid-Holocene and last glacial distribution: **Global and Planetary Change**, 40(3-4), p. 249-266, 1 table, sketch maps, 111 ref., February 2004.

58002665

Signorelli, S. (ETH Hönggerberg, Institute of Geophysics, Zurich, Switzerland) and Kohl, T.

Regional ground surface temperature mapping from meteorological data: **Global and Planetary Change**, 40(3-4), p. 267-284, illus. incl. 2 tables, sketch map, 30 ref., February 2004. Includes appendix.

58002666

Diekmann, Bernhard (Alfred Wegener Institute for Polar and Marine Research, Research Unit Potsdam, Potsdam, Federal Republic of Germany); Kuhn, Gerhard; Gersonde, Rainer and Mackensen, Andreas.

Middle Eocene to early Miocene environmental changes in the sub-Antarctic Southern Ocean; evidence from biogenic and terrigenous depositional patterns at ODP Site 1090: **Global and Planetary Change**, 40(3-4), p. 295-313, illus. incl. 1 table, sketch map, 80 ref., February 2004. Alfred Wegener Inst. Polar and Mar. Res., Publ. No. awi-n11245. *Foraminifera, nannofossils*

58002667

Pfeffer, W. Tad (University of Colorado, Department of Civil, Environmental, and Architectural Engineering, Boulder, CO) and Mrugala, Randy.

Temperature gradient and initial snow density as controlling factors in the formation and structure of hard depth hoar: **Journal of Glaciology**, 48(163), p. 485-494, illus. incl. 3 tables, 24 ref., 2002.

58002668

Li, Shusun (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK) and Sturm, Matthew.

Patterns of wind-drifted snow on the Alaskan Arctic slope, detected with ERS-1 interferometric SAR: **Journal of Glaciology**, 48(163), p. 495-504, illus. incl. sketch maps, 43 ref., 2002.

58002669

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

Model study of the spatial distribution of the energy and mass balance of Morteratschgletscher, Switzerland: **Journal of Glaciology**, 48(163), p. 505-518, illus. incl. 4 tables, sketch maps, 25 ref., 2002.

58002670

Kang, Shichang (University of Maine, Institute for Quaternary and Climate Studies, Orono, ME); Kreutz, Karl J.; Mayewski, Paul A.; Qin Dahe and Yao Tandong.

Stable-isotopic composition of precipitation over the northern slope of the central Himalaya: **Journal of Glaciology**, 48(163), p. 519-526, illus. incl. 1 table, sketch map, 31 ref., 2002.

58002671

Gay, Michel (Laboratoire de Glaciologie et Géophysique de l'Environnement du CNRS, Saint-Martin-d'Hères, France); Fily, Michel; Genthon, Christophe; Frezzotti, Massimo; Oerter, Hans and Winther, Jan-Gunnar.

Snow grain-size measurements in Antarctica: **Journal of Glaciology**, 48(163), p. 527-535, illus. incl. 2 tables, sketch map, 32 ref., 2002.

58002672

Bindschadler, Robert A. (NASA, Goddard Space Flight Center, Laboratory for Hydropheric Processes, Oceans and Ice Branch, Greenbelt, MD).

History of lower Pine Island Glacier, West Antarctica, from Landsat imagery: **Journal of Glaciology**, 48(163), p. 536-544, illus. incl. 1 table, 9 ref., 2002.

58002673

Wadham, Jemma L. (Bristol University, School of Geographical Sciences, Bristol, United Kingdom) and Nuttall, Anne-Marie.

Multiphase formation of superimposed ice during a mass-balance year at a maritime high-Arctic glacier: **Journal of Glaciology**, 48(163), p. 545-551, illus. incl. sketch map, 36 ref., 2002.

58002674

Schmeltz, Marjorie (Jet Propulsion Laboratory, Pasadena, CA); Rignot, Eric; Dupont, Todd K. and MacAyeal, Douglas R.

Sensitivity of Pine Island Glacier, West Antarctica, to changes in ice-shelf and basal conditions; a model study: **Journal of Glaciology**, 48(163), p. 552-558, illus. incl. sketch maps, 23 ref., 2002.

58002675

Pattyn, Frank (Universiteit Brussel, Geografisch Instituut, Brussels, Belgium) and Derauw, Dominique.

Ice-dynamic conditions of Shirase Glacier, Antarctica, inferred from ERS SAR interferometry: **Journal of Glaciology**, 48(163), p. 559-565, illus. incl. 2 tables, sketch map, 29 ref., 2002.

58002676

Gudmundsson, G. Hilmar (British Antarctic Survey, National Environment Research Council, Cambridge, United Kingdom).

Observations of a reversal in vertical and horizontal strain-rate regime during a motion event on Unteraargletscher, Bernese Alps, Switzerland: **Journal of Glaciology**, 48(163), p. 566-574, illus. incl. 1 table, 35 ref., 2002.

58002677

Hooyer, Thomas S. (Wisconsin Geological and Natural History Survey, Madison, WI) and Iverson, Neil R.

Flow mechanism of the Des Moines Lobe of the Laurentide ice sheet: **Journal of Glaciology**, 48(163), p. 575-586, illus. incl. 3 tables, sketch maps, 95 ref., 2002. Includes appendix.

58002678

Barrette, Paul D. (Memorial University of Newfoundland, Faculty of Engineering and Applied Science, St. John's, NF, Canada) and Jordaan, Ian J.

Healed cracks in iceberg ice: **Journal of Glaciology**, 48(163), p. 587-591, illus., 22 ref., 2002.

58002679

Vielli, Andreas (Eidenössische Technische Hochschule, Institute for Atmospheric and Climate Science, Zurich, Switzerland); Jania, Jacek and Kolondra, Lezek.

The retreat of a tidewater glacier; observations and model calculations on Hansbreen, Spitsbergen: **Journal of Glaciology**, 48(163), p. 592-600, illus. incl. 1 table, sketch map, 34 ref., 2002.

58002680

Wilson, Christopher J. L. (University of Melbourne, School of Earth Sciences, Parkville, Victoria, Australia) and Sim, Hadi M.

The localization of strain and c-axis evolution in anisotropic ice: **Journal of Glaciology**, 48(163), p. 601-610, illus. incl. 2 tables, 21 ref., 2002.

58002681

van Lipzig, Nicole P. M. (Royal Netherlands Meteorological Institute, de Bilt, Netherlands); van Meijgaard, Erik and Oerlemans, Johannes.

The effect of temporal variations in the surface mass balance and temperature-inversion strength on the interpretation of ice-core signals: **Journal of Glaciology**, 48(163), p. 611-621, illus. incl. 1 table, sketch maps, 39 ref., 2002.

58002682

Carsey, Frank (Jet Propulsion Laboratory, Pasadena, CA); Behar, Alberto; Lane, A. Lonne; Realmuto, Vince and Engelhardt, Hermann.

A borehole camera system for imaging the deep interior of ice sheets: **Journal of Glaciology**, 48(163), p. 622-628, illus., 15 ref., 2002.

58002683

Kenneally, James P. (University of Maine, Department of Physics and Astronomy, Orono, ME); **Benn, Doug and Warren, Charles R.**

Buoyancy-driven lacustrine calving, Glaciar Nef, Chilean Patagonia; discussion and reply: **Journal of Glaciology**, 48(163), p. 629-630, illus., 11 ref., 2002. For reference to original see Warren, C. et al, **Journal of Glaciology**, Vol. 47, No. 156, pp. 135-146, 2001.

58002684

Fowler, Andrew C. (Mathematical Institute, Oxford, United Kingdom).

Rheology of subglacial till: **Journal of Glaciology**, 48(163), p. 631-632, 22 ref., 2002.

58002685

Sokolova, Inna M. (Alfred-Wegener-Institute for Polar and Marine Research, Laboratory of Ecophysiology and Ecotoxicology, Bremerhaven, Federal Republic of Germany) and **Pörtner, Hans-Otto**.

Metabolic plasticity and critical temperatures for aerobic scope in a eurythermal marine invertebrate (*Littorina saxatilis*, Gastropoda, Littorinidae) from different latitudes: **Journal of Experimental Biology (Online)**, 206(1), p. 195-207, illus., January 1, 2003.

58002686

Wharton, David A. (University of Otago, Department of Zoology, Dunedin, New Zealand); **Goodall, Gordon and Marshall, Craig J.**

Freezing survival and cryoprotective dehydration as cold tolerance mechanisms in the Antarctic nematode *Panagrolaimus davidi*: **Journal of Experimental Biology (Online)**, 206(2), p. 215-221, illus., January 15, 2003.

58002687

Lemmen, D. S.

Surficial materials associated with glacial Lake McConnell, southern District of Mackenzie: *in Current research; Part D, Interior Plains and Arctic Canada—Recherches en cours; Partie D, Plaines intérieures et région arctique du Canada* (Canada, Geological Survey), **Paper - Geological Survey of Canada**, Rep. No. 90-01D, p. 79-83, illus. incl. sketch maps, 12 ref., 1990.

58002688

Lye, D.; Jackson, L. E., Jr. and Ward, B.

A jokulhlaup origin for boulder beds near Granite Canyon, Yukon Territory: *in Current research; Part E, Cordillera and Pacific margin—Recherches en cours; Partie E, Cordillère et marge du Pacifique* (Canada, Geological Survey), **Paper - Geological Survey of Canada**, Rep. No. 90-01E, p. 271-275, illus. incl. sketch maps, 17 ref., 1990.

58002689

Minning, G. V. and Sharpe, D. R.

Surficial geology, Blue Lake, Ontario: **Geological Survey of Canada, “A” Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1772A, 1 sheet, surficial geology map, 1:100,000, 1991.

58002690

Kettles, I. M.

Surficial geology, Clyde Forks, Ontario: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1798A, 1 sheet, surficial geology map, 1:50,000, 1992.

58002691

Grant, D. R.

Quaternary geology of Port Saunders map area, Newfoundland: **Paper - Geological Survey of Canada**, Rep. No. 91-20, 64 p. (French sum.), illus. incl. sects.; surficial geology map, 1:250,000, 156 ref., 1994. ISBN: 0-660-15412-9.

58002692

Plouffe, A.

Geochemistry, lithology, mineralogy, and visible gold grain content of till in the Manson River and Fort Fraser map areas, central British Columbia (NTS 93 K and N): **Open-File Report - Geological Survey of Canada**, Rep. No. 3194, 119 p., illus. incl. sketch maps, 73 ref., 1995. Includes diskette.

58002693

Pilon, J.; Keating, P.; Kasper, J.; Allard, M.; Dion, D. J. and Tremblay, A.

Examples of geotechnical investigation using ground probing radar surveys: *in* Current research; Part D, Eastern Canada and national and general programs—Recherches en cours; Partie D, Est du Canada et programmes nationaux et généraux (Canada, Geological Survey), **Paper - Geological Survey of Canada**, Rep. No. 91-01D, p. 37-43, illus., 4 ref., 1991.

58002694

Fabel, Derek (University of Melbourne, School of Earth Sciences, Melbourne, Victoria, Australia); Harbor, Jon; Dahms, Dennis; James, Allan; Elmore, David; Daley, Kelly and Steele, Charles.

Spatial patterns of glacial erosion at a valley scale derived using cosmogenic isotope concentrations in quartz [abstr.]: *in* Proceedings of the 9th Australia-New Zealand Geomorphology Group (ANZGG) conference; programme and abstracts, Australia New Zealand Geomorphology Group, Australia, p. 27, 2000. *Meeting*: Dec. 11-15, 2000, Wanaka, New Zealand.

58002695

Fabel, Derek (University of Melbourne, School of Earth Sciences, Melbourne, Victoria, Australia); Harbor, Jon and Stroeven, Arjen.

Cosmogenic isotope evidence of landscape preservation under ice sheets [abstr.]: *in* Proceedings of the 9th Australia-New Zealand Geomorphology Group (ANZGG) conference; programme and abstracts, Australia New Zealand Geomorphology Group, Australia, p. 28, 2000. *Meeting*: Dec. 11-15, 2000, Wanaka, New Zealand.

58002696

Morrison, Catriona (University of Alberta, School of Earth Sciences, Edmonton, AB, Canada).

Late Quaternary glacial and sea level history of west-central Axel Heiberg Island, high Arctic Canada [abstr.]: *in* Proceedings of the 9th Australia-New Zealand Geomorphology Group (ANZGG) conference; programme and abstracts, Australia New Zealand Geomorphology Group, Australia, p. 60, 2000. *Meeting*: Dec. 11-15, 2000, Wanaka, New Zealand.

58002714

Reid, Harry Fielding.

Glacier Bay and its glaciers: **United States Geological Survey Annual Report**, 16(1), p. 421-461, 11 plates (incl. 4 maps), 1895, [1896]. 1894-95, pub. 1896.

58002722

Kelcey, Barbara E., editor.

Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy: **Polar Libraries Colloquy (PLC)**, 18, 142 p., illus. incl. tables, 2001. ISBN: 0-9688463-0-0. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada. Individual papers within scope are cited separately.

58002723

Alesi, Donatella (National Agency for New Technologies, Energy and the Environment, National Antarctic Research Programme, Rome, Italy).

Information is not pasta; the Antarctic library changes in the gateway age: *in* Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 2-5, 13 ref., 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002724

Goerler, Raimund E. (Ohio State University, Byrd Polar Research Archival Program, Columbus, OH) and Kissel, Laura J.

A search for value; an analysis of popular interest in Byrd's first Antarctic expedition, 1928-30: *in* Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 53-62, 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002725

Lay, Lynn (Ohio State University, Byrd Polar Research Centre, Columbus, OH) and Methakullachat, Deboon.

Antarctic aerial photograph collection in the Goldthwait Polar Library: *in* Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 80-84, illus. incl. 2 tables, 1 ref., 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002726

Andrews, Martha (University of Colorado, Institute of Arctic and Alpine Research, Colorado, CO) and Tahirkheli, Sharon N.

Preparation of an Arctic bibliography database: *in* Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 6-12, 10 ref., 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002727

Beaudreau, Pierre (Indian and Northern Affairs Canada, Departmental Library, Canada).

Reference questions we have known and loved; providing reference services at Indian and Northern Affairs Canada: *in* Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 13-16, 2 ref., 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002728

Beaumont, Raymond (Frontier School Division No. 48, Winnipeg, MB, Canada).

Repackaging the past; transforming archival resources for educational purposes: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 17-19, 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002729

Berkowski, Gerry (Hudson's Bay Company Archives, Winnipeg, MB, Canada).

From the past to the future; issues, options and strategies for preserving electronic records of the Hudson's Bay Company: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 20-24, 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002730

Churikova, Victoria and Ignatenko, Loudmilla.

Libraries and archives in Kamchatka: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 25-27, 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002731

Cronenwett, Philip N. (Dartmouth College, Rauner Library, Hanover, NH).

The Encyclopedia Arctica; a gateway opened, a gateway closed: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 28-33, 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002732

Devers, Sylvie (Museum National d'Histoire Naturelle, Bibliothèque Centrale, Paris, France).

The Fonds Polaire Jean Malaurie; French gateway to the Arctic: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 34-35, 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002733

Filen, Paula (Lulea University Library, Lulea, Sweden).

Engineering Electronic Library, Sweden: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 36-39, 5 ref., 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002734

Finn, Julia (Indian and Northern Affairs Canada, Departmental Library, Ottawa, Canada).

Information and research sources on the Indian and Northern Affairs Canada Internet site: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 40-41, 2 ref., 2001. *Meeting:* June 12-17, 2000, Winnipeg, MB, Canada.

58002735

Geller, Peter (Inter-Universities North, Canada) and Reid, Scott.

Projecting polar images; the Hudson's Bay Company film collection at the Hudson's Bay Company archives: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 47-52, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002736

Goodwin, Ross (University of Calgary, Arctic Institute of North America, Calgary, AB, Canada).

The Arctic Science and Technology Information System; moving to the web: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 63-67, 2 ref., 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002737

Hellner, Marni (Marni Hellner Design & Graphics, Winnipeg, MB, Canada).

The Northern Store community wall project; a return to the source: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 68-71, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002738

Jakobsen, Vibeke Sloth (Danish Polar Centre, Copenhagen, Denmark).

Co-operation is imperative for small libraries: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 72-74, 1 ref., 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002739

Koolage, William (University of Manitoba, Department of Anthropology, Winnipeg, MB, Canada).

Andrew Taylor's Index to the Arctic Blue Books; British parliamentary papers relating to exploration in the Canadian North 1818-1878: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 75-77, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002740

Kurppa, Liisa (University of Lapland, Arctic Centre, Rovaniemi, Finland).

Arctic Environmental Impact Assessment, ARIA; <http://www.urova.fi/aria/>: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 78-79, 1 ref., 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002741

Markusova, Valentina A. (Russian Academy of Sciences, All Russian Institute for Scientific and Technical Information, Moscow, Russian Federation); Minin, Valdimir; Libkind, Alexandr and Arapov, Michael.

Russian science in transition; a bibliometric study: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 85-98, illus. incl. 2 tables, 4 ref., 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002742

Meschersky, Nick (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation).

Library and archives of the Arctic and Antarctic Research Institute; the routes for the future: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 99-102, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002743

Mills, William (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom).

Expedition indexing and the organization of polar materials: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 103-108, 2 tables, 3 ref., 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002744

Rekrut, Ala (Provincial Archives of Manitoba, Winnipeg, MB, Canada) and Ridgen, Rob.

A new home for the Hudson's Bay Company archives records; lessons learned in vault design, construction and operation: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 109-114, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002745

Saarinen, Heli (Rovaniemi Polytechnic Library, Rovaniemi, Finland) and Koponen, Maija.

Lapponica; co-operation between libraries, museums and archives in Lapland: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 115-116, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002746

Stephens, Dennis (University of Alaska at Fairbanks, Elmer E. Rasmuson Library, Fairbanks, AK).

"Basking and sporting in the great outdoors"; Horace Kephart and the ideal life: *in Gateways; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy* (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 117-128, illus. incl. portr., 27 ref., 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002747

Smith, Philippa (Scott Polar Research Institute, Cambridge, United Kingdom).

The SPRI Picture Library; opening up the collections: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 129-132, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002748

Tordoff, Dirk (University of Alaska, Elmer E. Rasmusen Library, Fairbanks, AK).

Motion pictures; gateway to the past, gateway to the future, gateway to the library: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 133-136, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002749

Wuorinen, Louise (Lakehead University, Thunder Bay, ON, Canada) and Walmark, Brian.

Whispers from the past; work of the International Committee for the Study of the Lake Superior Jesuit diaries and mission papers: *in Gateways*; archives and libraries into the next millennium; proceedings of the 18th polar libraries colloquy (Kelcey, Barbara E., editor), **Polar Libraries Colloquy (PLC)**, 18, p. 137-138, 2001. *Meeting*: June 12-17, 2000, Winnipeg, MB, Canada.

58002750

Gumbel, Jörg (Universities Space Research Association, Washington, DC) and Witt, Georg.

Cluster ions and ice particle nucleation; positive feedback at the summer mesopause: **Geophysical Research Letters**, 29(16), 4 p., illus., 17 ref., August 15, 2002.

58002751

Northway, Megan J. (NOAA, Aeronomy Laboratory, Boulder, CO); Popp, Peter J.; Gao, Ru-Shan; Fahey, David W.; Toon, G. C. and Bui, T. P.

Relating inferred HNO₃ flux values to the denitrification of the 1999-2000 Arctic vortex: **Geophysical Research Letters**, 29(16), 4 p., illus. incl. 1 table, 16 ref., August 15, 2002.

58002752

Moore, G. W. K. (University of Toronto, Department of Physics, Toronto, ON, Canada) and Vachon, P. W.

A polar low over the Labrador Sea; interactions with topography and an upper-level potential vorticity anomaly, and an observation by RADARSAT-1 SAR: **Geophysical Research Letters**, 29(16), 4 p., illus. incl. geol. sketch maps, 25 ref., August 15, 2002.

58002753

Pan, Weilin (University of Illinois at Urbana-Champaign, Department of Electrical and Computer Engineering, Urbana, IL); Gardner, Chester S. and Roble, Raymond D.

The temperature structure of the winter atmosphere at South Pole: **Geophysical Research Letters**, 29(16), 4 p., illus. incl. 1 table, 21 ref., August 15, 2002.

58002754

Christiansen, Bo (Danish Meteorological Institute, Copenhagen, Denmark).

On the physical nature of the Arctic Oscillation: **Geophysical Research Letters**, 29(16), 4 p., illus. incl. geol. sketch map, 14 ref., August 15, 2002.

58002755

Nakatsuka, Takeshi (Hokkaido University, Hokkaido, Japan); Yoshikawa, Chisato; Toda, Mari; Kawamura, Kimitaka and Wakatsuchi, Masaaki.

An extremely turbid intermediate water in the Sea of Okhotsk; implication for the transport of particulate organic matter in a seasonally ice-bound sea: **Geophysical Research Letters**, 29(16), 4 p., illus. incl. geol. sketch map, 22 ref., August 15, 2002.

58002756

Kaufman, Yoram J. (NASA, Goddard Space Flight Center, Greenbelt, MD); Kleidman, Richard G.; Hall, Dorothy K.; Vanderlei Martins, J. and Barton, Jonathan S.

Remote sensing of subpixel snow cover using 0.66 and 2.1 μm channels: **Geophysical Research Letters**, 29(16), 4 p., illus., 15 ref., August 15, 2002.

58002757

Reeh, Niels (Technical University of Denmark, Electromagnetic Systems, Lyngby, Denmark); Mohr, Johan Jacob; Krabill, William B.; Thomas, Robert; Oerter, Hans; Gundestrup, Niels and Boggild, Carl Egede.

Glacier specific ablation rate derived by remote sensing measurements: **Geophysical Research Letters**, 29(16), 4 p., illus. incl. 1 table, geol. sketch map, 17 ref., August 15, 2002.

58002758

Jarlemark, O. J. (SP Swedish National Tersting and Research Institute, Boras, Sweden); Johansson, Jan M.; Stoew, Borys and Elgered, Gunnar.

Real time GPS data processing for regional atmospheric delay derivation: **Geophysical Research Letters**, 29(16), 4 p., illus. incl. 2 tables, geol. sketch map, 15 ref., August 15, 2002.

58002759

Del Longo, Mauro (Via Col 14, Forno di Zoldo, Italy); Finzi, Ermanno; Galgaro, Antonio; Godio, Alberto; Luchetta, Alberto; Pellegrini, Giovanni Battista and Zambrano, Rodolfo.

Responses of the Val d'Arcia small dolomitic glacier (Mount Pelmo, Eastern Alps) to recent climatic changes; geomorphological and geophysical study: **Geografia Fisica e Dinamica Quaternaria**, 24(1), p. 43-55 (Italian sum.), illus. incl. 1 table, geol. sketch maps, 23 ref., 2001.

58002760

Kotarba, Adam (Academy of Sciences, Institute of Geography, Cracow, Poland); Hercman, Helena and Dramis, Francesco.

On the age of Campo Imperatore glaciations, Gran Sasso Massif, central Italy: **Geografia Fisica e Dinamica Quaternaria**, 24(1), p. 65-69 (Italian sum.), 1 table, geol. sketch maps, 24 ref., 2001.

58002761

Vanuzzo, Chiara (Universita di Milano-Bicocca, Dipartimento di Scienze dell'Ambiente e del Territorio, Milan, Italy).

The glacier retreat in Valle D'Aosta (Western Italian Alps) from the Little Ice Age to the second half of the 20th century; linear, areal, volumetric and equilibrium line altitude changes:

Geografia Fisica e Dinamica Quaternaria, 24(1), p. 99-113 (Italian, French sum.), illus. incl. 7 tables, geol. sketch maps, 48 ref., 2001.

58002762

Marton, Veress (Berzsenyi Daniel Foiskola, Karolyi Gaspar, Hungary); Toth, Gabor and Pentek, Kalman.

Adalekok karrformak kialakulasi korahoz es fejlodesi sebessegehez a Hallstatt-gleccser jegmentes volgytalpan [Karren formation in Hallstatt Glacier]: *in Karsztfejlodes VI* (Marton, Veress, editor), **Karsztfejlodes**, 6, p. 161-169 (English sum.), illus. incl. 2 tables, 17 ref., 2001, [2001]. *Meeting:* 2001, Hungary.

58002763

Heaven, S. (University of Southampton, Department of Civil & Environmental Engineering, Southampton, United Kingdom); Lock, A. C.; Pak, L. N. and Rspaev, M. K.

Waste stabilisation ponds in extreme continental climates; a comparison of design methods from the USA, Canada, northern Europe and the former Soviet Union: *in Waste stabilisation ponds; pond technology for the new millennium; proceedings* (Shilton, Andrew N., editor; *et al.*), **Water Science and Technology**, 48(2), p. 25-33, illus. incl. 1 table, 38 ref., 2003. *Meeting:* 5th international IWA conference, April 2-5, 2002, Auckland, New Zealand.

58002764

Torrella, F. (University of Murcia, Department of Genetic and Microbiology, Murcia, Spain); Lopez, J. P. and Banks, C. J.

Survival of indicators of bacterial and viral contamination in wastewater subjected to low temperatures and freezing; application to cold climate waste stabilisation ponds: *in Waste stabilisation ponds; pond technology for the new millennium; proceedings* (Shilton, Andrew N., editor; *et al.*), **Water Science and Technology**, 48(2), p. 105-112, illus. incl. 2 tables, 22 ref., 2003. *Meeting:* 5th international IWA conference, April 2-5, 2002, Auckland, New Zealand.

58002765

Banks, C. J. (University of Southampton, Department of Civil & Environmental Engineering, Southampton, United Kingdom); Koloskov, G. B.; Lock, A. C. and Heaven, S.

A computer simulation of the oxygen balance in a cold climate winter storage WSP during the critical spring warm-up period: *in Waste stabilisation ponds; pond technology for the new millennium; proceedings* (Shilton, Andrew N., editor; *et al.*), **Water Science and Technology**, 48(2), p. 189-196, illus. incl. 1 table, 9 ref., 2003. *Meeting:* 5th international IWA conference, April 2-5, 2002, Auckland, New Zealand.

58002766

Reid, James E. (University of Tasmania, School of Earth Sciences, Hobart, Tasmania, Australia); Worby, Anthony P.; Vrbancich, Julian and Munro, Angus I. S.

Shipborne electromagnetic measurements of Antarctic sea-ice thickness: **Geophysics**, 68(5), p. 1537-1546, illus. incl. 1 table, 28 ref., October 2003.

58002767

Beaulieu, Nancy (Université Laval, Centre d'Études Nordiques, Sainte-Foy, PQ, Canada) and Allard, Michel.

The impact of climate change on an emerging coastline affected by discontinuous permafrost; Manitounek Strait, northern Quebec: **Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre**, 40(10), p. 1393-1404 (French sum.), illus. incl. 2 tables, sketch maps, 31 ref., October 2003.

58002768

Larocque, S. J. (University of Victoria, Tree-Ring Laboratory, Victoria, BC, Canada) and Smith, D. J.

Little Ice Age glacial activity in the Mt. Waddington area, British Columbia Coast Mountains, Canada: **Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre**, 40(10), p. 1413-1436 (French sum.), illus. incl. 9 tables, sketch maps, 62 ref., October 2003. Includes appendix.

58002769

Beltaos, Spyros (National Water Research Institute, Environment Canada, Burlington, ON, Canada).

Ice jam release surges, ice runs, and breaking fronts; field measurements, physical descriptions, and research needs; discussion: **Canadian Journal of Civil Engineering = Revue Canadienne de Génie Civil**, 30(5), p. 949-950, 8 ref., October 2003. For reference to original see Jasek, Martin, Can. J. of Civil Eng., Vol. 30, p. 113-127, 2003.

58002770

Jasek, Martin (BC Hydro, Water Resources, Burnaby, BC, Canada).

Ice jam release surges, ice runs, and breaking fronts; field measurements, physical descriptions, and research needs; reply: **Canadian Journal of Civil Engineering = Revue Canadienne de Génie Civil**, 30(5), p. 951-953, illus., 8 ref., October 2003. For reference to original see Jasek, Martin, Can. J. Civil Eng., Vol. 30, p. 113-127, 2003; for reference to discussion see Beltaos, S., Can. J. Civil Eng., Vol. 30, No. 5, p. 949-950, 2003.

58002771

Dmitriev, A. A.

Istoriia nauchnogo obespechenii moreplavaniia v arklike v XX v. (k 70-letiu GUSMP) [History of scientific provisions for Arctic Ocean navigation in 20th century; dedicated to the 70th anniversary of the northern sea route]: **Problemy Arktiki i Antarktiki**, 73, p. 7-28, 4 tables, 17 ref., 2002.

58002772

Voevodin, V. A. and Savatyugin, L. M.

Velikomu Severnomu morskomu puti, 70 let [Great northern sea route, 70th anniversary]: **Problemy Arktiki i Antarktiki**, 73, p. 29-35, 2002.

58002773

Losev, S. M.; Gorbunov, Iu. A. and Dyment, L. N.

Razryvy v ledyanov pokrove Arkticheskogo basseina po sputnikovym dannym [Fractures in Arctic Ocean ice cover based on satellite data]: **Problemy Arktiki i Antarktiki**, 73, p. 36-52, illus. incl. 4 tables, 11 ref., 2002.

58002774

Lavrenov, I. V.; Dymov, V. I. and Pasechnik, T. A.

Chislennoe modelirovanie vetrovogo volneniiia v Arkticheskikh moryakh [Numerical modeling of wind waves in Arctic Ocean]: **Problemy Arktiki i Antarktiki**, 73, p. 53-77, illus. incl. table, 22 ref., 2002.

58002775

Dmitriev, A. A.

O dominiruiushchei roli subtropicheskikh i polyarnykh antitsiklonov v planetarnoi dinamike atmosfernoi tsirkulyatsii [Dominant role of subtropical and polar anticyclones in planetary dynamics of atmospheric circulation]: **Problemy Arktiki i Antarktiki**, 73, p. 78-98, illus. incl. 4 tables, 112 ref., 2002.

58002776

Nemirovskaia, I. A.; Peresypkin, V. I. and Novigatskii, A. N.

Prirodnye i antropogennye uglevodorody v vodakh i snezhno-ledyanom pokrove severnogo Ledovitogo okeana [Natural and anthropogenic hydrocarbons in sea water and snow-ice cover of Arctic Ocean]: **Problemy Arktiki i Antarktiki**, 73, p. 99-115, illus. incl. 2 tables, 21 ref., 2002.

58002777

Pogrebov, V. B.; Panteleimonov, T. V. and Negulyaeva, S. V.

Ekologicheskie faktory, formiruiushchie strukturu bentosa v morskikh pribrezh'iakh i estuariiakh Rossiiskoi Arktiki; analiz vozdeistviia po rezul'tatam samoorganizuiushchegosya modelirovaniia [Ecological factors forming benthos structure in sea shores and estuaries of Russian Arctic; evaluating environmental effects based on automodeling data]: **Problemy Arktiki i Antarktiki**, 73, p. 116-134, illus. incl. table, 13 ref., 2002.

58002778

Bryzgalo, V. A.; Ivanov, V. V. and Nechaeva, S. A.

Ekologicheskoe sostoianie nizov'ia i ust'ia r. Severnaia Dvina i ego izmeneniiia v usloviakh antropogennykh vozdeistviia [Ecological conditions in lower reaches and estuary of Northern Dvina River and their changes due to anthropogenic effect]: **Problemy Arktiki i Antarktiki**, 73, p. 135-152, illus. incl. 7 tables, 7 ref., 2002.

58002779

Bogorodskii, P. V.; Ivanov, B. V.; Lukin, V. V.; Nemirovskaia, I. A.; Novigatskii, A. N. and Pomelov, V. N.

Fiziko-khimicheskie osobennosti rasprostraneniia dizel'nogo topliva cherez Antarkticheskii pripainyy led [Physical and chemical features of diesel fuel distribution in Antarctic fast ice]: **Problemy Arktiki i Antarktiki**, 73, p. 153-160, 12 ref., 2002.

58002780

Kozlovskii, A. M.; Kirillin, G. B.; Radikovich, V. M. and Romanov, Iu. A.

Raschet polei techenii Iuzhnogo okeana po nablyudeniiam za dreifom aisbergov s NIS "Akademik Karpinskii" v 40-i RAE [Calculating current fields in Southern Ocean based on ice-berg drift observation obtained during 40th Russian Antarctic expedition aboard Akademik Karpinskii research vessel]: **Problemy Arktiki i Antarktiki**, 73, p. 161-170, illus. incl. table, 6 ref., 2002.

58002781

Ivanov, B. V.; Bogorodskii, P. V.; Danilov, A. I.; Tumachev, V. F. and Iunovidov, S. A.

Osobennosti protsessov energo- i massoobmena v Antarkticheskikh vodakh v osenne-zimnii period [Peculiarities of energy- and mass-transfer processes in Southern Ocean during autumm-winter period]: **Problemy Arktiki i Antarktiki**, 73, p. 171-175, illus., 3 ref., 2002.

58002782

Fedorova, I. V.; Verkulich, S. P.; Kuz'mina, I. N. and Pomelov, V. N.

Vlianie proshlykh i sovremennykh prirodnykh usloviy na ozera oazisa Bangera (Vostochnaia Antarktida) [Influence of past and present environmental conditions on Banger Oasis lakes; East Antarctica]: **Problemy Arktiki i Antarktiki**, 73, p. 176-190, illus. incl. table, 24 ref., 2002.

58002783

Gavrilov, M. V.; Voronin, V. F. and Zakharova, V. V.

Rossiiskii rosudarstvennyy muzei Arktiki i Antarktiki (k 65-letiiu so dnya otkrytiia) [Russian State Arctic and Antarctic Museum; 65th anniversary of its establishment]: **Problemy Arktiki i Antarktiki**, 73, p. 191-199, illus., 2002.

58002784

Ream, Rachael A. (Stanford University, Biochemistry Department, Stanford, CA); Theriot, Julie A. and Somero, George N.

Influences of thermal acclimation and acute temperature change on the motility of epithelial wound-healing cells (keratocytes) of tropical, temperate and Antarctic fish: **Journal of Experimental Biology (Online)**, 206(24), p. 4539-4551, illus., December 15, 2003.

58002785

Brodeur, Julie C. (University of St. Andrews, Division of Environmental and Evolutionary Biology, St. Andrews, United Kingdom); Calvo, Jorge; Clarke, Andrew and Johnston, Ian A.

Myogenic cell cycle duration in *Harpagifer* species with sub-Antarctic and Antarctic distributions; evidence for cold compensation: **Journal of Experimental Biology (Online)**, 206(6), p. 1011-1016, illus., March 15, 2003.

58002786

Helge, Jorn W. (National University Hospital, Copenhagen Muscle Research Centre, Copenhagen, Denmark); Lundby, Carsten; Christensen, Dirk L.; Langfort, Jozef; Messonnier, Laurent; Zacho, Morten; Andersen, Jesper L. and Saltin, Bengt.

Skiing across the Greenland icecap; divergent effects on limb muscle adaptations and substrate oxidation: **Journal of Experimental Biology (Online)**, 206(6), p. 1075-1083, illus., March 15, 2003.

58002787

Dyke, A. S.; St-Onge, D. A. and Savelle, J. M., compilers.

Deglaciation of southwestern Victoria Island and adjacent Arctic mainland, Nunavut-Northwest Territories: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2027A, 1 sheet, illus. incl. glacial geology map, 1:500,000, 34 ref., 2003.

58002788

Veillette, J. J. and Pomares, J. S., compilers.

Géologie des formations en surface et histoire glaciaire, Lac Matagami, Québec [Surficial geology and glacial history, Lake Matagami, Quebec]: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1994A, 1 sheet, illus. incl. surficial geology map, 1:100,000, 41 ref., 2003.

58002789

Hodgson, D. A., compiler.

Surficial geology, Frobisher Bay, Baffin Island, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2042A, 1 sheet, surficial geology map, 1:100,000, 1 ref., 2003.

58002790

Hodgson, D. A., compiler.

Surficial geology, Hidden Bay, Baffin Island, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2043A, 1 sheet, surficial geology map, 1:100,000, 1 ref., 2003.

58002791

Hodgson, D. A., compiler.

Surficial geology, McKellar Bay, Baffin Island, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2044A, 1 sheet, surficial geology map, 1:100,000, 1 ref., 2003.

58002792

Hodgson, D. A., compiler.

Surficial geology, Wight Inlet, Baffin Island, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2045A, 1 sheet, surficial geology map, 1:100,000, 1 ref., 2003.

58002793

Hodgson, D. A., compiler.

Surficial geology, Blandford Bay, Baffin Island, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2046A, 1 sheet, surficial geology map, 1:100,000, 1 ref., 2003.

58002794

Hodgson, D. A., compiler.

Surficial geology, Crooks Inlet, Baffin Island, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2047A, 1 sheet, surficial geology map, 1:100,000, 1 ref., 2003.

58002795

Hodgson, D. A., compiler.

Surficial geology, White Strait, Baffin Island, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2048A, 1 sheet, surficial geology map, 1:100,000, 1 ref., 2003.

58002796

Donner, Joakim.

Summing up; half a century of Quaternary geology: **Annales Academiae Scientiarum Fennicae. Geologica-Geographica**, 164, 190 p., 2003. ISBN: 951-41-0943-0.

58002797

Johansson, Peter (Geological Survey of Finland, Rovaniemi, Finland).

Eskers and bedrock gorges (tunnel valleys) in the Pakasaivo area, western Finnish Lapland: **Bulletin of the Geological Society of Finland**, 75(1-2), p. 5-15, 2003.

58002798

Palli, Anja.

Polythermal glacier studies in Svalbard determined by ground-penetrating radar: **Acta Universitatis Ouluensis. Series A, Scientiae Rerum Naturalium**, 406, 87 p., Doctoral, 2003, University of Oulu, Oulu. ISBN: 951-42-7176-9.

58002799

Hall, Kevin (University of Northern British Columbia, Geography Program, Prince George, BC, Canada).

Evidence for freeze-thaw events and their implications for rock weathering in northern Canada: **Earth Surface Processes and Landforms**, 29(1), p. 43-57, illus. incl. 1 table, 36 ref., January 2004.

58002800

Barrie, J. V. and Conway, K. W.

Postglacial geology of Dixon Entrance, northwestern British Columbia continental shelf: *in Current research; Part E—Recherches en cours; Partie E (Canada, Geological Survey)*, **Paper - Geological Survey of Canada**, Rep. No. 93-1E, p. 15-21, strat. cols., sketch maps, 9 ref., 1993.

58002801

Nassichuk, W. W.; Skibo, D. N.; Fowler, M. G.; Stewart, K. R. and Snowdon, L. R.

Update of Canada-Russia collaboration on Arctic pollutants: *in Current research; Part E—Recherches en cours; Partie E (Canada, Geological Survey)*, **Paper - Geological Survey of Canada**, Rep. No. 93-1E, p. 113-121, illus. incl. sketch maps, 32 ref., 1993.

58002802

Katsube, T. J. and Issler, D. R.

Pore-size distributions of shales from the Beaufort-Mackenzie Basin, northern Canada: *in Current research; Part E—Recherches en cours; Partie E (Canada, Geological Survey)*, **Paper - Geological Survey of Canada**, Rep. No. 93-1E, p. 123-132, illus. incl. sketch maps, 18 ref., 1993.

58002803

Burgess, M. M.; Lawrence, D. E. and MacInnes, K. L.

Hot spots on wood chip insulated permafrost slopes, Norman Wells Pipeline, northwestern Canada: *in Current research; Part E—Recherches en cours; Partie E (Canada, Geological Survey)*, **Paper - Geological Survey of Canada**, Rep. No. 93-1E, p. 133-140, illus. incl. sketch maps, 7 ref., 1993.

58002804

Aylsworth, J. M.; Kettles, I. M. and Todd, B. J.

Peatland distribution in the Fort Simpson area, Northwest Territories with a geophysical study of peatland-permafrost relationships at Antoine: *in Current research; Part E—Recherches en cours; Partie E (Canada, Geological Survey)*, **Paper - Geological Survey of Canada**, Rep. No. 93-1E, p. 141-148, illus. incl. sketch maps, 11 ref., 1993.

58002805

Bednarski, J. M.

Preliminary report of the Quaternary geology of the Canadian Shield of northeastern Alberta: *in* Current research; Part E—Recherches en cours; Partie E (Canada, Geological Survey), **Paper - Geological Survey of Canada**, Rep. No. 93-1E, p. 191-196, illus. incl. sketch maps, 11 ref., 1993.

58002806

Kettles, I. M. and Rodrigues, C. G.

Evaluation of Glacial Lake Iroquois shoreline data from south-central and eastern Ontario: *in* Current research; Part E—Recherches en cours; Partie E (Canada, Geological Survey), **Paper - Geological Survey of Canada**, Rep. No. 93-1E, p. 271-274, sketch maps, 11 ref., 1993.

58002807

Bäumler, Rupert and Zech, Wolfgang.

Soil development as an indicator of the Pleistocene and Holocene landscape history in western Tien Shan and Nepal: *in* Environmental changes in High Asia; proceedings of an international symposium (Miehe, Georg, editor; *et al.*), **Marburger Geographische Schriften**, 135, p. 69-82 (Chinese sum.), 2 tables, 2000. *Meeting*: May 29-June 1, 1997, Marburg, Federal Republic of Germany.

58002808

Zech, Wolfgang; Bäumler, Rupert; Guggenberger, Georg; Petrov, Maxim; Ni, Anatoli and Lemzin, Ivan.

Pleistocene and Holocene landscape development in the Kichik Alay and Hissar ranges (Khyrgyzia and Uzbekistan) as deduced from soil morphology: *in* Environmental changes in High Asia; proceedings of an international symposium (Miehe, Georg, editor; *et al.*), **Marburger Geographische Schriften**, 135, p. 53-68 (Chinese sum.), illus. incl. sects., geol. sketch map, 2000. *Meeting*: May 29-June 1, 1997, Marburg, Federal Republic of Germany.

58002809

Iturriaga, Lasafam.

The distribution of debris accumulations in the Rakhiot Valley, Nanga Parbat north side (Pakistan): *in* Environmental changes in High Asia; proceedings of an international symposium (Miehe, Georg, editor; *et al.*), **Marburger Geographische Schriften**, 135, p. 28-39 (Chinese sum.), illus. incl. 1 table, 5 ref., 2000. *Meeting*: May 29-June 1, 1997, Marburg, Federal Republic of Germany.

58002810

Naumann, Stephan and Walther, Michael.

Mid-Holocene lake-level fluctuations of Bayan Nuur (North-west Mongolia): *in* Environmental changes in High Asia; proceedings of an international symposium (Miehe, Georg, editor; *et al.*), **Marburger Geographische Schriften**, 135, p. 15-17 (Chinese sum.), illus. incl. strat. col., sect., 7 ref., 2000. *Meeting*: May 29-June 1, 1997, Marburg, Federal Republic of Germany.

58002811

Kuhle, Matthias.

Pleistocene glaciations in the Himalayas and Tibet; new findings from the Himalaya north slopes to central and western Tibet: *in* Environmental changes in High Asia; proceedings of an international symposium (Miehe, Georg, editor; *et al.*), **Marburger Geographische Schriften**, 135, p. 1-14 (Chinese sum.), illus. incl. geol. sketch map, 2000. *Meeting:* May 29-June 1, 1997, Marburg, Federal Republic of Germany.

58002812

Burke, K., chairperson (Lunar and Planetary Institute); Dixon, T. H., chairperson; Baker, V.; Band, L.; Banerdt, B.; Camillo, P.; Davis, F.; Doyle, F.; Dozier, J.; Elachi, C.; Emmanuel, W.; Garvin, J.; Golombek, M.; Goward, S.; Gurney, R.; Kaupp, V.; Kobrick, M.; Levine, E.; Li, F.; Luchitta, B.; Mouat, D.; Mouginis-Mark, Peter J.; Paris, J.; Phillips, R.; Rodriguez, E.; Rossi, L.; Schimel, D.; Shugart, H.; Skole, D.; Smith, D.; Wagner, T.; Vorosmarty, C.; Yunck, T.; Zinke, P. and Zwally, J.

Topographic Science Working Group report to the Land Processes Branch, Earth Science and Applications Division, NASA Headquarters: 64 p., illus. incl. 7 tables, sketch map, 71 ref., 1988. *Available from:* NASA Headquarters, Land Process Branch, Washington, DC, United States.

58002813

Godfrey, J. Stuart and Rintoul, Stephen R.

The role of the oceans in Southern Hemisphere climate: *in* Meteorology of the Southern Hemisphere (Karoly, David J., editor; *et al.*), American Meteorological Society, Boston, MA, p. 183-306, illus., 1998.

58002814

Kiladis, George and Mo, Kingtse C.

Interannual and intraseasonal variability in the Southern Hemisphere: *in* Meteorology of the Southern Hemisphere (Karoly, David J., editor; *et al.*), American Meteorological Society, Boston, MA, p. 307-336, illus., 1998.

58002815

Jones, Philip D. and Allan, Robert J.

Climatic change and long-term climatic variability: *in* Meteorology of the Southern Hemisphere (Karoly, David J., editor; *et al.*), American Meteorological Society, Boston, MA, p. 337-363, illus., 1998.

58002816

Bates, Naomi Sue.

Hydrological effects of forest harvesting headwater watersheds in West Virginia: 132 p., 14 tables, 70 ref., Bachelor's, April 10, 2000, Princeton University, Princeton, NJ.

58002817

Stanwell-Smith, Damon; Hood, Alison and Peck, Lloyd, compilers.

A field guide to the pelagic invertebrate larvae of the maritime Antarctic: British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom, 152 p., illus. incl. sketch maps, 26 ref., 1997. ISBN: 0-85665-197-4. Includes 2 appendices.
publisher <http://www.nerc-bas.ac.uk/>

58002818

Savatyugin, L. M. and Preobrazhenskaia, M. A.

Dvadtsat' pervaia-tridtsataia Sovetskaia Antarkticheskaiia Ekspeditsiiia [Twenty-first to thirtieth Soviet Antarctic expeditions]: *in the collection Rossiiskie issledovaniia v Antarktike* T Russian research in Antarctica (Danilova, A. I.). Gidrometeoizdat, Saint Petersburg, Russian Federation, II, 286 p., illus. incl. 35 tables, 101 ref., 2000. ISBN: 5-286-01293-0. Includes appendices.

58002819

Wilson, Gary S. (University of Oxford, Department of Earth Sciences, Oxford, United Kingdom); Florindo, Fabio; Harwood, David M.; Naish, Timothy R. and Powell, Ross D.

Future Antarctic margin drilling; the ANDRILL initiative and McMurdo Sound portfolio [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 201-202, 1 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002820

Wilson, Gary S. (University of Oxford, Department of Earth Sciences, Oxford, United Kingdom); Roberts, Andrew P.; Morgans, Hugh E. G.; Florindo, Fabio; Verosub, Kenneth L. and Sagnotti, Leonardo.

Eocene-Oligocene Antarctic and Southern Ocean climatic deterioration; phase relationships between climatic and oceanic cooling [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 199-200, illus., 7 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002821

Warnke, Detlef A. (California State University, Hayward, CA).

Pliocene coarse-grained debris at Ocean Drilling Program Site 188-1165, Prydz Bay, Antarctica [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 191-192, 13 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002822

Villa, Giuliana (Universita di Parma, Dipartimento di Scienze della Terra, Parma, Italy); Persico, Davide; Bonci, Maria C.; Morigi, Caterina; Lucchi, Renata G. and Rebesco, Michele.

Biostratigraphic characterisation and Quaternary microfossil palaeoecology during glacial-interglacial deposition on sediment drifts west of the Antarctic Peninsula; results from SEDANO Project [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 187-188, illus. incl. sect., 1 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy. *Foraminifera, diatoms, nannofossils*

58002823

Theissen, Kevin M. (Stanford University, Department of Geological and Environmental Sciences, Stanford, CA); Dunbar, Robert B.; Cooper, Alan K. and Mucciarone, David A.

Stable isotopic records of Pleistocene climate variability in the Prydz Bay region, from ODP Site 1167 [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 183-184, illus. incl. sketch map, 4 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002824

Taylor, Fiona (Hamilton College, Department of Geology, Clinton, NY) and Sjunneskog, Charlotte.

Late Pleistocene-Holocene marine diatom record from the Palmer Deep, Antarctic Peninsula (ODP Leg 178, Site 1098) [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 181, 2 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002825

Taviani, Marco (Istituto Geologia Marina CNR, Bologna, Italy).

East Antarctic marine environments and climatic conditions in the last 30 millions years as inferred from macropalaeontological data (Cape Roberts Project) [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 179-180, illus. incl. sketch map, 12 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002826

Strand, Kari (University of Oulu, Thule Institute, Oulu, Finland) and Nasi, Jari.

Implications of microtextures of quartz grains for Eocene/Oligocene glaciation in Prydz Bay, ODP Site 1166 [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 175-176, illus., 3 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002827

Smellie, John L. (British Antarctic Survey, Cambridge, United Kingdom); Troedson, Alexa and McIntosh, William C.

Cenozoic glacial history preserved on King George Island (Antarctic Peninsula) [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 173-174, illus. incl. sketch maps, 3 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002828

Siegert, Martin J. (University of Bristol, School of Geographical Sciences, Bristol, United Kingdom).

Numerical modelling of the Eurasian ice sheet and implications for ANTOSTRAT ice sheet reconstructions [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 171, 3 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002829

Scherer, Reed P. (Northern Illinois University, Department of Geology and Environmental Geosciences, DeKalb, IL); Sjuneskog, Charlotte; Tulaczyk, Slawek M. and Aldahan, Ala.
Diatom assemblages and taphonomy in Antarctic diamictons provide constraints for modeling past marine ice sheet configurations and processes [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 169-170, 9 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy. *Cenozoic*

58002830

Sandroni, Sonia (Universita di Siena, Dipartimento di Scienze della Terra, Siena, Italy) and Talarico, Franco.

Clast data from CRP cores (Victoria Land Basin); implications on the uplift history of the Transantarctic Mountains [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 167-168, illus. incl. strat. cols., 8 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002831

Sagnotti, Leonardo (Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy); Roberts, Andrew P.; Verosub, Kenneth L.; Florindo, Fabio and Wilson, Gary S.

The environmental magnetic record of Cenozoic climate change in the Victoria Land Basin, Antarctica [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 165-166, illus. incl. strat. cols., 5 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002832

Raine, Ian J. (Institute of Geological & Nuclear Sciences, Lower Hutt, New Zealand) and Askin, Rosemary A.

Vegetation history and climate from the early Oligocene to early Miocene, Cape Roberts, Ross Sea region, Antarctica [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 157, 5 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002833

Quilty, Patrick G. (University of Tasmania, School of Earth Sciences, Hobart, Tasmania, Australia).

Biostratigraphy of the East Antarctic margin, 45-160°E [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 155-156, 8 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy. *Phanerozoic, algae, palynomorphs*

58002834

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

A temperate glacial sequence stratigraphic model applied to Antarctic Oligocene and Miocene (CRP) successions [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 153, 4 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002835

Pollard, David (Pennsylvania State University, EMS Environment Institute, University Park, PA) and DeConto, Robert M.

Modelling of Antarctic ice-sheet initiation in the early Oligocene using a coupled GCM and dynamic ice-sheet model [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 151-152, illus. incl. sketch maps, 6 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002836

Passchier, Sandra (TNO, Netherlands Institute for Applied Geoscience, Utrecht, Netherlands).

Late Neogene to Holocene sedimentation on the Prydz Bay continental shelf and slope, ODP Sites 1166 and 1167, East Antarctica [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 149-150, illus., 1 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002837

Oglesby, Robert J. (NASA/MSFC/GHCC, Huntsville, AL).

Modelling the climate and glacial history of Antarctica; progress and challenges [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 147, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002838

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

Global dynamics of the Antarctic ice sheet [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 145-146, illus., 3 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002839

O'Brien, Philip E. (Australian Geological Survey Organisation, Canberra, Australia); Alcock, Mark B.; Stagg, Howard M. J. and Symonds, Phillip A.

Australian Antarctic and Southern Ocean Profiling Project; major new Antarctic seismic surveys [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 143, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002840

O'Brien, Philip E. (Australian Geological Survey Organisation, Canberra, Australia) and Cooper, Alan K.

Neogene climatic transitions in East Antarctica; evidence from Leg 188 drilling [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 141-142, illus. incl. strat. cols., 1 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002841

Naish, Timothy R. (Institute of Geological and Nuclear Sciences, Lower Hutt, New Zealand); Barrett, Peter J.; Dunbar, Gavin B.; Wolfe, Ken J.; Dunn, Alistair G.; Henrys, Stuart A.; Claps, Michele; Powell, Ross D. and Fielding, Chris R.

Orbitally-induced oscillations in the East Antarctic ice sheet; direct evidence from Antarctic margin drilling [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 139, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002842

Morigi, Caterina (Universita di Ancona, Istituto di Scienze del Mare, Ancona, Italy); Capotondi, Lucilla; Giglio, Federico; Langone, Leonardo; Brilli, Mauro; Turi, Bruno and Ravaioli, Mariangela.

Oceanographic changes in the southern Pacific Ocean, during the last deglacial time, as recorded by planktic foraminifers and oxygen isotopes [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 137-138, illus. incl. sketch maps, 1 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy. *Quaternary*

58002843

Miura, Hideki (National Institute of Polar Research, Tokyo, Japan); Seto, Koji; Igarashi, Atsuo; Maemoku, Hideaki; Takada, Masashi and Moriwaki, Kiichi.

Late Quaternary East Antarctic ice-sheet melting event around the Lutzow-Holm Bay and Mt. Riiser-Larsen region [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 135-136, illus. incl. sect., sketch maps, 7 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002844

Meloni, Antonio (Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy).

An overview of the Italian National Antarctic Program [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 133, illus., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002845

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

Environmental magnetic record of the SEDANO deep sea cores (Pacific margin of the Antarctic Peninsula) and interhemispheric correlation of late Pleistocene climatic events [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; et al.), Quaderni di Geofisica*, 16, p. 125-126, illus. incl. sketch maps, 6 ref., 2001. *Meeting: Sept. 8-14, 2001, Erice, Italy.*

58002846

Lucchi, Renata G. (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy); Rebesco, Michele; Camerlenghi, Angelo; Tomadin, Luciano; Giorgetti, Giovanna; Caburlotto, Andrea; Villa, Giuliana; Persico, Davide; Morigi, Caterina and Bonci, Maria C.

Glacimarine sedimentary processes on a high-latitude Neogene-Quaternary sediment drift; geological investigations on the Antarctic Peninsula Pacific margin [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; et al.), Quaderni di Geofisica*, 16, p. 123-124, illus., 2 ref., 2001. *Meeting: Sept. 8-14, 2001, Erice, Italy.*

58002847

Lorenson, Thomas D. (U. S. Geological Survey, Menlo Park, CA) and Claypool, George E. Hydrocarbon gas concentration and isotopic composition of headspace gases from Site 1165, ODP Leg 188, Prydz Bay, Antarctica [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; et al.), Quaderni di Geofisica*, 16, p. 121, 1 ref., 2001. *Meeting: Sept. 8-14, 2001, Erice, Italy.*

58002848

Leitchenkov, German (VNIIOkeanologiya, Department of Antarctic Geoscience, Saint Petersburg, Russian Federation); Kudryavtsev, Genadiy; Gandjukhin, V.; Cooper, Alan K.; O'Brien, Philip E. and Tanahashi, Manubo.

Cenozoic seismic stratigraphy and sediment drift development in Cooperation Sea and Cosmonaut Sea (East Antarctic margin from 40°E to 80°E) [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; et al.), Quaderni di Geofisica*, 16, p. 119, 2001. *Meeting: Sept. 8-14, 2001, Erice, Italy.*

58002849

Lawver, Lawrence A. (University of Texas at Austin, Institute for Geophysics, Austin, TX) and Gahagan, Lisa M.

Cenozoic evolution of the Antarctic continental margin and opening of Southern Ocean seaways: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; et al.), Quaderni di Geofisica*, 16, p. 117-118, illus. incl. sketch maps, 7 ref., 2001. *Meeting: Sept. 8-14, 2001, Erice, Italy.*

58002850

Lavelle, Mark (British Antarctic Survey, Cambridge, United Kingdom).

Molluscan oxygen isotope estimates of seasonality and Cenozoic Antarctic marine temperatures: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 115-116, illus., 11 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002851

Joshima, Masato (Japan National Oil Corporation, Technology Research Cennter, Tokyo, Japan); Ishihara, Takemi; Nakajima, Takeshi; Sugiyama, Kazuhiro; Tsuchida, Kunihiko; Kato, Ayato; Murakami, Fumitoshi and Brown, Belinda.

Preliminary results of the TH99 geological and geophysical survey in the Cooperation Sea and Prydz Bay area [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 111, illus. incl. sketch maps, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002852

Januszczak, Nicole (University of Toronto at Scarborough, Earth Sciences, Scarborough, ON, Canada) and Eyles, Nicholas.

Glaciated continental margin processes and stratigraphy; Cenozoic of Antarctica and Neoproterozoic of Rodinia compared [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 107-108, illus. incl. sects., geol. sketch maps, 6 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002853

Igarashi, Atsuo (National Institute of Polar Research, Tokyo, Japan); Miura, Hideki; Kato, Masako and Hart, Charles P.

Discovery of potentially pre-Quaternary deposits on ice-free area of Lützow-Holm Bay; evidence of amino-acid geochronology and biochronology [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 101-102, illus. incl. sketch map, 6 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

Foraminifera, Ostracoda, upper Pliocene

58002854

Hillenbrand, Claus-Dieter (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Fütterer, Dieter K. and Ehrmann, Werner.

Late Miocene to Quaternary deposition of biogenic opal and clay minerals on the continental rise west of the Antarctic Peninsula [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 99, 1 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002855

Henrys, Stuart A. (Institute of Geological and Nuclear Sciences, Lower Hutt, New Zealand); Bücker, Christian J.; Niessen, Frank; Bartek, Louis R. and Bannister, Stephen.

Correlation of seismic reflectors with Cape Roberts drillholes, Victoria Land Basin, Antarctica [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 97-98, illus. incl. sects., 9 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002856

Hay, William W. (GEOMAR, Kiel, Federal Republic of Germany).

“Ocean drilling” over the next decade; prospects for the Antarctic [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 95, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002857

Hambrey, Michael J. (University of Wales, Centre for Glaciology, Aberystwyth, United Kingdom); Barrett, Peter J. and Powell, Ross D.

Late Oligocene-early Miocene glaciomarine sedimentation from offshore drilling in the SW Ross Sea, Antarctica; implications for glacier fluctuations and climate [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 83, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002858

Gruetzner, Jens (Universität Bremen, Fachbereich Geowissenschaften, Bremen, Federal Republic of Germany); Rebesco, Michele; Forsberg, Carl F. and Cooper, Alan K.

Evidence for palaeoclimatic variability at the East Antarctic continental rise (ODP Site 1165) inferred from spectral analysis of high-resolution core logging data [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 81-82, illus., 4 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002859

Gohl, Karsten (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Rebesco, Michele; Larter, Robert D.; Udintsev, Gleb B.; Camerlenghi, Angelo; Cunningham, Alex; Rogenhagen, Johannes and Uenzelmann-Neben, Gabriele.

Sediment transport onto the continental rise along the West Antarctic continental margin [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 79-80, illus. incl. sketch map, 4 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002860

Gersonde, Rainer (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany).

Eocene-Pleistocene palaeoceanographic reconstructions; a view from the ODP Leg 177 transect across the Southern Ocean [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 77-78, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002861

Gazdzicki, Andrzej (Polish Academy of Sciences, Institute of Paleobiology, Warsaw, Poland).

Oligocene biota and palaeoenvironment of King George Island (South Shetland Islands), West Antarctica [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 75, 2 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy. *Foraminifera, Ostracoda, diatoms*

58002862

Galeotti, Simone (Universita degli Studi di Urbino, Istituto di Geologia, Urbino, Italy).

Morphometric analysis of benthic Foraminifera; a potential proxy for palaeoclimate reconstruction in the Cenozoic Ross Sea [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 73, 5 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002863

Forsberg, Carl F. (Norwegian Polar Institute Polarmiljøsenteret, Tromso, Norway);

Solheim, Anders; Gruetzner, Jens; Taylor, Brian and Strand, Kari.

Glacial development in the Prydz Bay region as witnessed by geotechnical and mineralogical properties of Leg 188 sites 1166 and 1167 [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 71-72, illus. incl. strat. cols., 3 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002864

Florindo, Fabio (Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy) and Roberts, Andrew P.

A new high-resolution magnetostratigraphy from Eocene-Oligocene sediments, Maud Rise, Weddell Sea, Antarctica [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 65-66, illus. incl. sketch map, 3 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002865

Fielding, Chris R. (University of Queensland, Department of Earth Sciences, Brisbane, Queensl., Australia); Henrys, Stuart A. and Naish, Timothy R.

Architecture of litho/sequence stratigraphic units in the Cenozoic of the Cape Roberts area, and correlation with CIROS; implications for basin history in the Victoria Land Basin [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 63-64, illus., 4 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002866

Escutia, Carlota (Texas A&M University, Ocean Drilling Program, College Station, TX); Moerz, Tobias; Lauer-Laredde, Christine; Williams, Trevor and Jaramillo, Juan M.

Seismic and downhole signatures of glacial sequences from the Antarctic Peninsula continental shelf; ODP Leg 178, Site 1103 [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 61, 1 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002867

Dunbar, Robert B. (Stanford University, Department of Geological and Environmental Sciences, Stanford, CA); Ravelo, Ana C.; Domack, Eugene; Leventer, Amy and Brachfeld, Stefanie.

13,000 years of decadal-to-millennial oceanographic variability along the Antarctic Peninsula; ODP Site 1098 [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 59, 1 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy. *Quaternary*

58002868

Dunbar, Gavin B. (Victoria University of Wellington, Antarctic Research Centre, Wellington, New Zealand) and Barrett, Peter J.

Sediment texture and palaeobathymetry changes off Cape Roberts during the late Oligocene [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 55-57, illus., 6 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002869

Donda, Federica (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy); De Santis, Laura and Brancolini, Giuliano.

Seismic expression of sediment mound deposits on the continental rise off the Wilkes Land [abstr.]: *in Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies* (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 53, illus. incl. sects., 1 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002870

De Santis, Laura (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy); Brancolini, Giuliano; Camerlenghi, Angelo and Rebesco, Michele.

2-D backstripping modelling of three Antarctic continental margins (the Ross Sea, the Antarctic Peninsula and the Prydz Bay examples) [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 49-50, illus., 9 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002871

DeConto, Robert M. (University of Massachusetts, Department of Geosciences, Amherst, MA) and Pollard, David.

The early glacial history of Antarctica; a new modelling perspective [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 45-47, illus. incl. sketch maps, 11 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002872

Davey, Fred J. (Institute of Geological and Nuclear Sciences, Lower Hutt, New Zealand) and De Santis, Laura.

The seismic stratigraphic record in the McMurdo region, what can it tell us about glacial and tectonic events? [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 43-44, 5 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002873

Cooper, Alan K. (Stanford University, Department of Geological and Environmental Sciences, Stanford, CA) and O'Brien, Philip E.

Early stages of East Antarctic glaciation; insights from drilling and seismic reflection data in the Prydz Bay region [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 41-42, illus. incl. sect., sketch map, 3 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002874

Claypool, George E. (U. S. Geological Survey, Menlo Park, CA) and Lorenson, Thomas D. Methane diagenesis and authigenic carbonates in continental rise and shelf sediments, ODP Leg 188 sites 1165 and 1166, offshore Antarctica (Prydz Bay) [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 39, 1 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002875

Claps, Michele (Universita di Ancona, Istituto di Scienze del Mare, Ancona, Italy); Florindo, Fabio and Niessen, Frank.

Cyclicity in the high-resolution physical properties record from the Cape Roberts Project (Victoria Land Basin, Antarctica) and implication for sedimentation rate [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 37, 6 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002876

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

Early and middle Miocene advances of the Antarctic ice sheet across the Ross Sea continental shelf [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 35, 5 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002877

Camerlenghi, Angelo (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy); Volpi, Valentina; Rebesco, Michele; Hillenbrand, Claus-Dieter and Moerz, Tobias.

Deep sea sediment consolidation through the glacial history of the Pacific margin of the Antarctic Peninsula [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 31-32, illus. incl. sect., 3 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002878

Busetti, Martina (Istituto Nazionale di Oceanografia e Geofisica Sperimentale, Trieste, Italy); Caburlotto, Andrea; Damiani, Damiano; Giorgetti, Giovanna and Lucchi, Renata G. Plio-Quaternary sedimentation on the Wilkes Land continental rise [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 29-30, illus. incl. sketch map, 2 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002879

Bücker, Christian J. (GGA, Joint Geoscientific Research Institute, Hanover, Federal Republic of Germany); Jarrard, Richard D.; Niessen, Frank and Wonik, Thomas.

The Eocene-Oligocene boundary in the Ross Sea (Antarctica) based on downhole measurements [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 27, illus., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002880

Brancolini, Giuliano (Istituto Nazionale di Oceanografia e di Geofisica, Trieste, Italy); Harris, Peter; Armand, Leanne; Busetti, Martina; De Santis, Laura; Giorgetti, Giovanna and Presti, Massimo.

Seismic stratigraphy from the continental margin in the offshore of the George Vth Land (East Antarctica) [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 25-26, illus. incl. sects., 6 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002881

Billups, Katharina (University of Delaware, College of Marine Studies, Lewes, DE).

Glacial evolution of Antarctica; evidence from the deep-sea record [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 21-22, illus., 7 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy. *lower Cenozoic*

58002882

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

An evaluation of the Messinian salinity crisis; implications of new palynological results on the interpretation of late Miocene Antarctic ice sheet evolution [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 17, 4 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002883

Barrett, Peter J. (Victoria University of Wellington, School of Earth Sciences, Wellington, New Zealand).

Cenozoic Antarctic glacial history; checks from the margin [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 13-15, illus., 11 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002884

Barr, Samantha R. (University of Leicester, Department of Geology, Leicester, United Kingdom); Januszczak, Nicole; Brewer, Tim S. and Harvey, Peter K.

Determining the glacial history of Prydz Bay, Antarctica; observations based on the integration of downhole logging data and sedimentological description from ODP Leg 188, Hole 1166 [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 11-12, 1 ref., 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002885

Barker, Peter F. (British Antarctic Survey, Cambridge, United Kingdom); Camerlenghi, Angelo; Gamboa, Luiz A. P.; Maldonado, Andrés; Tanahashi, Manabu; Hernández Molina, F. Javier; Bart, Philip J.; Hayes, Dennis E.; Larter, Robert D.; Rebesco, Michele and Geletti, Roberto.

Glacial sediment transport and distribution on the Antarctic Peninsula Pacific continental shelf and slope; new results from seismic reflection profiles and ODP Leg 178 drilling [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 9-10, 2001. *Meeting*: Sept. 8-14, 2001, Erice, Italy.

58002886

Barker, Peter F. (British Antarctic Survey, Cambridge, United Kingdom).

Antarctic glacial history from margin drilling [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 7-8, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002887

Armentrout, John M. (Cascades Stratigraphics, Clackamas, OR).

North American patterns of faunal and floral response to the Eocene/Oligocene Antarctic ice sheet development [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 5, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002888

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

Late Quaternary fluctuations in the Antarctic ice sheet [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 3, 6 ref., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002889

Aghib, Fulvia S. (Universita di Milano, Dipartimento di Scienze della Terra, Milan, Italy); Ripamonti, Marzia and Riva, Gabriella.

Carbonate diagenesis of the Cenozoic sedimentary successions recovered at the CRP-1, 2 and 3 drillsites, Ross Sea, Antarctica; an overview [abstr.]: *in* Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies (Florindo, Fabio, editor; *et al.*), **Quaderni di Geofisica**, 16, p. 1, illus., 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy.

58002890

Florindo, Fabio and Cooper, Alan K., editors.

Extended abstracts for the International ANTOSTRAT symposium on The geologic record of the Antarctic ice sheet from drilling, coring and seismic studies: **Quaderni di Geofisica**, 16, 205 p., illus. incl. tables, sects., geol. sketch maps, 2001. *Meeting:* Sept. 8-14, 2001, Erice, Italy. Individual abstracts are cited separately.

58002891

Shur, Y. (University of Alaska at Fairbanks, Department of Civil and Environmental Engineering, Fairbanks, AK); Bray, M. T.; Taylor, M.; Ling, Q. and Anderson, D. A.

Fox permafrost tunnel (new study and interpretation of permafrost development) [abstr.]: *in* 53rd Arctic science conference; Connectivity in northern waters; Arctic Ocean, Bering Sea, and Gulf of Alaska interrelationships; program and abstracts (Whitledge, Terry, chairperson), **Program and Abstracts - Arctic Science Conference**, 53, p. 204, 2002. *Meeting:* Sept. 18-21, 2002, Fairbanks, AK. CRREL Report No: ERDC/CRREL MP-04-6164