

**57004823**

**Thiboutot, S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Ampleman, G. and Hewitt, A. D.**

Guide for characterization of sites contaminated with energetic materials: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-02-1, 57 p., illus. incl. 2 tables, February 2002.

WWW Available from: National Technical Information Service, Springfield, VA, United States. Includes 10 appendices; Accessed Nov. 18, 2003.

[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR02-1\(ERDC-CRL\).pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR02-1(ERDC-CRL).pdf)

**57005105**

**Perovich, Donald K. (Cold Regions Research and Engineering Laboratory, Engineer Research and Development Center, Hanover, NH); Grenfell, Thomas C.; Richter-Menge, A.; Light, Bonnie; Tucker, Walter B., III and Eicken, Hajo.**

Thin and thinner; sea ice mass balance measurements during SHEBA: **Journal of Geophysical Research, C, Oceans**, 108(3), 21 p., illus. incl. geol. sketch map, 3 tables, sects., 60 ref., March 15, 2003. This article is part of the special section The surface heat budget of the Arctic Ocean (SHEBA), JGR C (Oceans), Vol. 107, No. 10, 2002. CRREL Report No: ERDC/CRREL MP-03-6053

**57005149**

**Pierdicca, N. (Universita di Roma "La Sapienza", Dipartimento di Ingegneria Elettronica, Rome, Italy); Castracane, P.; Pulvirenti, L.; Greco, B.; Ferrazzoli, P.; Guerriero, L.; Schiavon, G.; Ciotti, P.; Marzano, F. S.; Bernardini, L.; Basili, P.; Bonafoni, S. and Mattioli, V.**

Passive calibration of the backscattering coefficient of the ENVISAT RA-2; evaluation of radiative models for sea and land: *in* Remote sensing; integrating our view of the planet; proceedings (Ledrew, Ellsworth F., chairperson), **International Geoscience and Remote Sensing Symposium**, 2002, Volume 6, p. 3105-3107, illus., 4 ref., 2002. *Meeting:* 24th Canadian symposium on Remote sensing, June 24-28, 2002, Toronto, ON, Canada.

**57005159**

**Rall, Jonathan A. R. (NASA, Goddard Space Flight Center, Laser Remote Sensing Branch, Greenbelt, MD); Cavanaugh, John; Campbell, James; Abshire, James B. and Spinhirne, James D.**

Automated Geophysical Observatory (AGO) lidar; post Antarctic deployment performance: *in* Remote sensing; integrating our view of the planet; proceedings (Ledrew, Ellsworth F., chairperson), **International Geoscience and Remote Sensing Symposium**, 2002, Volume 6, p. 3602-3604, illus., 4 ref., 2002. *Meeting:* 24th Canadian symposium on Remote sensing, June 24-28, 2002, Toronto, ON, Canada.

**57005161**

**Cate, David W. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Racine, Charles H., editors.**

Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, 387 p., September 1996. Individual papers are cited separately.

**57005162**

**Lawson, Daniel E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Hunter, Lewis E. and Bigl, Susan R.**

Physical system dynamics, WP fate and transport, and remediation: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 21-112, illus. incl. 14 tables, sketch maps, 29 ref., September 1996.

**57005163**

**Haugen, Richard K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

Climate and tides: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 113-130, illus. incl. 6 tables, 8 ref., September 1996.

**57005164**

**Eldridge, William D. (U. S. Fish and Wildlife Service, Anchorage, AK) and Robertson, Donna G.**

Waterbird utilization of Eagle River Flats and upper Cook Inlet; April-October 1995: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 131-155, illus. incl. 5 tables, sketch maps, 4 ref., September 1996.

**57005165**

**Steele, Benjamin B. (New England Institute for Landscape Ecology, Canaan, NH) and Reitsma, Leonard R.**

Waterfowl use and mortality at Eagle River Flats: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 157-174, illus. incl. 7 tables, sketch maps, 6 ref., September 1996.

**57005166**

**Roebuck, Bill D. (Dartmouth Medical School, Hanover, NH).**

Analysis of white phosphorus in biota at Eagle River Flats; 1995 field season: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 175-178, 1 table, 5 ref., September 1996.

**57005167**

**Cummings, John L. (U. S. Department of Agriculture, Denver Wildlife Research Center, Denver, CO); Yoder, Christi A.; Johnson, Richard E.; Pochop, Patricia A.; Gruver, Kenneth S.; Davis, James E. and Tope, Kenneth L.**

Movement, distribution and relative risk of waterfowl and bald eagles using Eagle River Flats: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 179-196, illus. incl. 8 tables, 2 ref., September 1996.

**57005168**

**Rossi, Corey (U. S. Department of Agriculture, Animal and Plant Health Inspection Service, Animal Damage Control, Palmer, AK).**

Hazing at Eagle River Flats: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 197-204, illus., September 1996.

**57005169**

**Pochop, Patricia A. (U. S. Department of Agriculture, Denver Wildlife Research Center, Denver, CO); Cummings, John L. and Yoder, Christi, A.**

Evaluation of AquaBlok on contaminated sediment to reduce mortality of foraging waterfowl: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 205-229, illus. incl. 2 tables, 6 ref., September 1996.

**57005170**

**Walsh, Marianne E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Collins, Charles M. and Bailey, Ronald N.**

Intrinsic remediation of WP particles in intermittent ponded areas of ERF: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 231-247, illus. incl. 1 table, sketch map, 6 ref., September 1996.

**57005171**

**Walsh, Marianne E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Collins, Charles M. and Bailey, Ronald N.**

Enhancement of intrinsic remediation of WP particles by sediment warming in intermittent ponded areas of Eagle River Flats: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 249-266, illus. incl. 2 tables, 13 ref., September 1996.

**57005172**

**Collins, Charles M. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Chacho, Edward F., Jr.; Walsh, Michael R. and Walsh, Marianne E.**

Pond draining treatability; 1995 studies: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 267-309, illus. incl. 3 tables, sketch maps, 18 ref., September 1996.

**57005173**

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

Dredging as a remediation strategy for white-phosphorus-contaminated sediments at Eagle River Flats: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 311-344, illus. incl. 12 tables, sketch map, 13 ref., September 1996.

**57005174**

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

Development of a remotely controlled drilling and sampling system for remediation program at Eagle River Flats: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 345-363, illus. incl. 2 tables, 4 ref., September 1996.

**57005175**

**Racine, Charles H. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Robinson, Peggy and Mullen, John.**

The Eagle River Flats spatial database: *in* Interagency expanded site investigation; evaluation of white phosphorus contamination and potential treatability at Eagle River Flats, Alaska (Cate, David W., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-02-77, p. 365-387, illus., 8 ref., September 1996.

**57005186**

**Aislabie, Jackie.**

Cold, dry and dirty!: **Soil Horizons**, 3, p. 11-12, February 1999.

**57005194**

**Aislabie, Jackie.**

Oil in Antarctic soils: **Soil Horizons**, 6, p. 11, illus., November 2001.

**57005270**

**Jewell, F.**

Wilkes ice thickness measurements, Antarctica 1961: **Record - Bureau of Mineral Resources, Geology and Geophysics**, Rep. No. 1962/162, 7 p., illus., 6 ref., 1962. Includes 2 appendices.

**57005740**

**Royer, Alain.**

Etude des microparticules insolubles contenues dans la neige et la glace de l'Antarctique par une méthode de diffusion de lumière, variation temporelle en relation avec le climat [Study of insoluble microparticles contained in Antarctic snow and ice by a light diffusion method, temporal variations in relation with climate]: **Publication - Laboratoire de Glaciologie**, 404, 166 p., illus. incl. sketch map, 130 ref., Doctoral, 1981, Université de Grenoble, Grenoble, France.

**57005912**

**Bloch, Philippe (Ecole National Supérieure d'Hydraulique de Grenoble, Institut National Polytechnique, Grenoble, France); Chauvallon, Franck and Dominique, René**

Etude de la perte de masse par échanges thermiques de la partie immergée d'un iceberg tabulaire; simulation [Study of the loss of mass by thermal exchange of the immersed part of a tabular iceberg; simulation]: Ecole National Supérieure d'Hydraulique de Grenoble, Institut National Polytechnique, Grenoble, France, 63 p. (English sum.), illus. incl. sketch maps, 22 ref., June 30, 1980.

**57006173**

**Jones, Kathleen F. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

Ice storms in the St. Lawrence Valley region: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-1, 121 p., illus. incl. 8 tables, sketch maps, 61 ref., January 2003. Includes appendices.

**57006175**

**Lind, Terje (Royal Ministry of Petroleum and Energy, Oslo, Norway).**

Environmental impact assessment of petroleum activities in the Norwegian part of the Barents Sea: *in Polar Tech' 88* (Hansen, A.; *et al.*), Tapir Publishers, Trondheim, Norway, 9 p., 1988. *Meeting*: International conference on Technology for polar areas, June 15-17, 1988, Trondheim, Norway.

**57006176**

**Mitten, P. (COMPUSULT, Canada); Terry, B. and Genge, D.**

Expert systems in ice management: *in Polartech' 88* (Hansen, A., editor; *et al.*), Tapit Publishers, Trondheim, Norway, p. 8, illus., 1988. *Meeting*: International conference on Technology for polar areas, June 15-17, 1988, Trondheim, Norway.

**57006178**

**Tuthill, Andrew M. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

Ice and debris passage for innovative lock designs: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-2, 36 p., illus. incl. 3 tables, sketch map, 18 ref., January 2003.

**57006193**

**Johnson, Jerome B. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

A statistical micromechanical theory of cone penetration in granular materials: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-3, 32 p., illus. incl. 1 table, 20 ref., February 2003. Includes appendix.

**57006194**

**Gatto, Lawrence W. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Ferrick, Michael G.**

Overland erosion due to freeze-thaw cycling; laboratory experiments: **ERDC/CRREL Technical Note**, Rep. No. ERDC/CRREL-TN-03-3, 16 p., illus. incl. 1 table, 19 ref., April 2003.

**57006205**

**Lein, A. Yu. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Savvichev, A. S.; Miller, Yu. M.; Pimenov, N. V. and Leibman, M. O.**  
Isotope-biogeochemical structure of tabular ground ice in the Russian Arctic: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 661-666, illus. incl. 2 tables, sketch map, 16 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006207**

**Lergen, M.** (University of Zurich, Department of Geography, Zurich, Switzerland); **Kääb, A.; Hoelzle, M. and Haeberli, W.**

Local distribution pattern of discontinuous mountain permafrost; a process study at Flüela Pass, Swiss Alps: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 667-672, illus., 21 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006209**

**Li, H. P.** (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Gansu, China); **Zhu, Y. L. and Pan, W. D.**

Uniaxial compressive strength of saturated frozen silt: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 679-684, illus. incl. 4 tables, 9 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006210**

**Ling, F.** (University of Colorado, National Snow and Ice Data Center, Boulder, CO); **Zhang, T. and Zhang, L. Kh.**

Critical embankment height; Fenghuoshan Mountains, Qinghai-Xizang (Tibet) Railway, China: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 685-689, illus. incl. 2 tables, 9 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006211**

**Luetscher, M.** (University of Zurich, Geography Department, Zurich, Switzerland); **Jeannin, P. Y. and Haeberli, W.**

Energy fluxes in an ice cave of sporadic permafrost in the Swiss Jura Mountains; concept and first observational results: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 691-696, illus., 27 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006212**

**Luetschg, M.** (Swiss Federal Institute on Snow and Avalanche Research, Davos, Switzerland); **Bartelt, P.; Lehning, M.; Stoeckli, V. and Haeberli, W.**

Numerical simulation of the interaction processes between snow cover and alpine permafrost: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 697-702, illus. incl. 4 tables, 24 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006213**

**Luoto, M.** (Finnish Environmental Institute, Research Programme for Biodiversity, Helsinki, Finland) and **Seppälä, M.**

New extensive sporadic permafrost feature in Finnish Lapland; peaty earth hummocks (pounus): *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 703-705, illus. incl. 1 table, 15 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006214**

**Lyazgin, A. L. ("Energoset' Project" Institute, Moscow, Russian Federation); Bayasan, R. M.; Chisnik, S. A.; Cheverev, V. G. and Pustovoit, G. P.**  
Stabilization of pile foundations subjected to frost heave and in thawing permafrost: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 707-711, illus. incl. 2 tables, 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006215**

**Magomedgadzhieva, M. A. (State Engineering Designing Research Institute "Fundamentproject", Moscow, Russian Federation) and Cheverev, V. G.**  
Research in the field of nonlinear moistureflow in freezing soils: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 713-716, illus., 2 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006216**

**Maisch, M. (University of Zurich, Geography Department, Zurich, Switzerland); Haeberli, W.; Frauenfelder, R.; Kääb, A. and Rothenbühler, C.**  
Late glacial and Holocene evolution of glaciers and permafrost in the Val Muragl, upper Engadin, Swiss Alps: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 717-722, illus. incl. sketch maps, 43 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006217**

**Mangold, N. (Université Paris-Sud, Orsayterre, Paris-Sud, France).**  
Patterned ground on Mars; evidence for recent climatic variations: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 723-728, illus., 20 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006218**

**Marsh, P. (National Water Research Institute, Saskatoon, SK, Canada) and Neumann, N.**  
Climate and hydrology of a permafrost dammed lake in NW Canada: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 729-734, illus. incl. 1 table, 12 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006219**

**Matsuoka, N. (University of Tsukuba, Institute of Geoscience, Ibaraki, Japan); Ikeda, A.; Hirakawa, K. and Watanabe, T.**  
Contemporary periglacial processes in the Swiss Alps; seasonal, inter-annual and long-term variations: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 735-740, illus. incl. 1 table, 15 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006220**

**Maurer, H. R. (ETH, Swiss Federal Institute of Technology, Zurich, Switzerland); Springman, S. M.; Arenson, L. U.; Musil, M. and Mühl, D. S. Vonder.**

Characterisation of potentially unstable mountain permafrost; a multidisciplinary approach: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 741-746, illus., 11 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006221**

**Ma, W. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Gansu, China) and Chang, X.**

Comparison of strength of artificially frozen soil in two test modes: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 747-752, illus. incl. 1 table, 9 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006222**

**Melnikov, V. P. (Russian Academy of Sciences, Siberian Branch, Institute of Earth Cryosphere, Tyumen, Russian Federation); Nesterov, A. N. and Reshetnikov, A. M.**

Kinetics of hydrate dissociation at a pressure of 0.1 MPa: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 753-757, illus., 8 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006223**

**Michel, F. A. (Carleton University, Department of Earth Sciences, Ottawa, ON, Canada) and Paquette, S. P.**

Icing blister development on Bylot Island, Nunavut, Canada: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 759-763, illus. incl. sketch map, 15 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006224**

**Mihajlovic, D. (University of Bern, Department of Geography, Bern, Switzerland); Kölbing, D.; Kunz, I.; Schwab, S.; Kienholz, H.; Budmiger, K.; Imhof, M. and Krummenacher, B.**

Developing new methods for monitoring periglacial phenomena: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 765-770, illus. incl. sketch map, 6 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006225**

**Mobley, A. K. F. (Northern Geotechnical Engineering, Anchorage, AK) and Barlow, B. L. J.**

Analysis of flooding effects on a landfill permafrost containment system: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 771-776, illus. incl. 2 tables, 10 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006226**

**Moorman, B. J. (University of Calgary, Earth Sciences Program, Calgary, AB, Canada) and Michel, F. A.**

Burial of glacier ice by deltaic deposition, Bylot Island, Arctic Canada: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 777-782, illus. incl. sketch map, 11 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006227**

**Moorman, B. J. (University of Calgary, Earth Science Program, Calgary, AB, Canada).**

Glacier-permafrost hydrology interactions, Bylot Island, Canada: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 783-788, illus. incl. sketch maps, 9 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006228**

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

Interactions between vegetation and permafrost on some CALM grids in Russia: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 789-794, illus. incl. 1 table, sketch map, 14 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006229**

**Motenko, R. G. (Moscow State University, Geocryology Department, Moscow, Russian Federation); Ershov, E. D.; Chuvilin, E. M.; Miklyeva, E. S. and Zhuravlev, I. I.**

Heat and mass transfer in freezing soils contaminated by oil: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 795-799, illus. incl. 1 table, 16 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006230**

**Müller-Lupp, W. (Institute for Polar Ecology, Kiel, Federal Republic of Germany) and Böltter, M.**

Effect of soil freezing on physical and microbiological properties of permafrost-affected soils: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 801-805, illus. incl. 1 table, 21 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006231**

**Murton, J. B. (University of Sussex, Department of Geography, Brighton, United Kingdom) and Harris, C.**

The experimental simulation of ice-wedge casting: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 807-810, illus. incl. 1 table, 11 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006232**

**Nikolaev, A. N. (Russian Academy of Sciences, Siberian Branch, Melnikov Permafrost Institute, Yakutsk, Russian Federation).**

The influence of soil temperature on radial increments of larch and pine stems in central Yakutia: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 811-814, illus., 16 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006233**

**Niu, F. J. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Cheng, G. D. and Lai, Y. M.**

Laboratory study on a duct-ventilation roadbed of the Qinghai-Tibet Railway: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 815-820, illus. incl. 1 table, 7 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006234**

**Nixon, M. (Natural Resources Canada, Ottawa, ON, Canada); Tarnocai, C. and Kutny, L.**  
Long-term active layer monitoring; Mackenzie Valley, Northwest Canada: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 821-826, illus. incl. 4 tables, sketch maps, 22 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006235**

**Noetzli, J. (University of Zurich, Department of Geography, Zurich, Switzerland); Hoelzle, M. and Haeberli, W.**

Mountain permafrost and recent Alpine rock-fall events; a GIS-based approach to determine critical factors: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 827-832, illus. incl. 4 tables, 30 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006236**

**Nolan, M. (University of Alaska at Fairbanks, Water and Environmental Research Center, Fairbanks, AK) and Prokein, P.**

Evaluation of a new DEM of the Putuligayuk watershed for Arctic hydrological applications: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 833-838, illus. incl. sketch maps, 5 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006237**

**Odegard, R. S. (Gjovik University College, Gjovik, Norway); Isaksen, K.; Eiken, T. and Sollid, J. L.**

A conceptual model of Hiorthfjellet rock glacier, Svalbard: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 839-844, illus. incl. sketch map, 19 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006238**

**Oht, M. (University of Copenhagen, Institute of Geography, Copenhagen, Denmark).** Impact of meteorological factors on active layer development in central Spitsbergen: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 845-850, illus. incl. sketch map, 18 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006239**

**Omelon, C. R. (University of Toronto, Department of Geology, Toronto, ON, Canada); Ferris, F. G.; Pollard, W. H.; Andersen, D. T. and Whyte, L.** High Arctic cryptoendolithic microorganisms in a polar desert environment: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 851-856, illus. incl. sketch map, 24 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006240**

**Osokin, N. (Russian Academy of Sciences, Institute of Geography, Moscow, Russian Federation); Samoilov, R.; Sosnovskiy, A. and Zhidkov, V.** Water vapour diffusion at the boundary between snow and ground: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 857-861, illus. incl. 2 tables, 6 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006241**

**Osterkamp, T. E. (University of Alaska, Geophysical Institute, Fairbanks, AK, United Kingdom).**

A thermal history of permafrost in Alaska: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 863-868, illus. incl. sketch maps, 18 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006242**

**Overduin, P. P. (University of Alaska at Fairbanks, Water and Environment Research Center, Fairbanks, AK); Ping, C. L. and Kane, D. L.**

Frost boils, soil ice content and apparent thermal diffusivity: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 869-874, illus., 10 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland. NSF Grant OPP-9814984.

**57006243**

**Parmuzin, S. Yu. (Moscow State University, Moscow, Russian Federation); Ershov, E. D. and Tchepournov, M. B.**

Geocryological problems associated with global warming: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 875-878, illus. incl. 1 table, sketch map, 8 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006244**

**Perlshtein, G. Z. (Russian Academy of Sciences, Siberian Branch, North-Eastern Research Station, Russian Federation) and Pavlenkov, D. A.**

The use of natural cold for impounding the toxic wastes of the mining industry: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 879-883, illus., 10 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006245**

**Peterson, R. A. (University of Alaska at Fairbanks, Fairbanks); Walker, D. A.; Romanovsky, V. E.; Knudson, J. A.; Reynolds, M. K. and Krantz, W. V.**

A differential frost heave model; cryoturbation-vegetation interactions: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 885-890, illus., 19 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland. NSF Grant OPP-0120736.

**57006246**

**Phillips, M. (Swiss Federal Institute for Snow and Avalanche Research, Switzerland); Margreth, S. and Ammann, W. J.**

Creep of snow-supporting structures in alpine permafrost: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 891-896, illus. incl. 2 tables, sketch map, 6 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006247**

**Ping, C. L. (University of Alaska at Fairbanks, Palmer Research Center, Palmer, AK); Michaelson, G. J.; Overduin, P. P. and Stiles, C. A.**

Morphogenesis of frost boils in the Galbraith Lake area, Arctic Alaska: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 897-900, illus. incl. 1 table, sketch map, 17 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland. NSF Grant OPP-9318534.

**57006248**

**Plug, L. J. (Dalhousie University, Department of Earth Sciences, Halifax, NS, Canada).**

Ground-ice features and depth of peat across a mire chronosequence, NW Alaska: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 901-906, illus. incl. 1 table, sketch map, 26 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006249**

**Prick, A. (University Courses on Svalbard, Longyearbyen, Norway).**

Frost weathering and rock fall in an arctic environment, Longyearbyen, Svalbard: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 907-912, illus., 17 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006250**

**Putkonen, J. (University of Washington, Department of Earth and Space Sciences, Seattle, WA); Sletten, R. S. and Hallet, B.**

Atmosphere/ice energy exchange through a thin debris cover in Beacon Valley, Antarctica: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 913-915, illus., 7 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006251**

**Quinton, W. L. (Simon Fraser University, Department of Geography, Burnaby, BC, Canada) and Gray, D. M.**

Subsurface drainage from organic soils in permafrost terrain; the major factors to be represented in a runoff model: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 917-922, illus. incl. 2 tables, 13 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006252**

**Rachold, V. (Alfred Wegener Institute for Polar and Marine Research, Research Unit, Potsdam, Federal Republic of Germany); Lack, M. and Grigoriev, M. N.**

A geo information system (GIS) for Circum-Arctic coastal dynamics: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 923-927, illus. incl. sketch map, 14 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006253**

**Ramos, M. (University of Alcala de Henares, Department of Physics, Alcala de Henares, Spain) and Vieira, G.**

Active layer and permafrost monitoring in Livingston Island, Antarctic; first results from 2000 to 2001: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 929-933, illus. incl. 3 tables, 8 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006254**

**Razumov, S. O. (Russian Academy of Sciences, Melnikov Permafrost Institute, Yakutsk, Russian Federation).**

Coastal cryogenic processes and carbonate balance of the coastal waters of eastern Arctic seas in the light of a changing climate: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 935-939, illus., 16 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006255**

**Repelewska-Pekalowa, J. (Maria Curie-Sklodowska University, Department of Geomorphology, Lublin, Poland) and Pekala, K.**

Spatial and temporal variation in active layer thickness, Calypsostranda, Spitsbergen: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 941-945, illus. incl. 2 tables, sketch map, 18 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006256**

**Reynard, E. (University of Lausanne, Institute of Geography, Lausanne, Switzerland); Lambiel, C.; Delaloye, R.; Devaud, G.; Baron, L.; Chapellier, D.; Marescot, L. and Monnet, R.**

Glacier/permafrost relationships in forefields of small glaciers (Swiss Alps): *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 947-952, illus. incl. 1 table, sketch maps, 19 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006257**

**Riseborough, D. W. (Geological Survey of Canada, Ottawa, ON, Canada).**

Thawing and freezing indices in the active layer: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 953-958, illus., 14 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006258**

**Rivkin, F. M. (Industrial and Research Institute for Engineering of Construction, Moscow, Russian Federation); Koreisha, M. M. and Ivanova, N. V.**

The engineering-geocryological zoning of the Russian Arctic coast for the estimation of hazard caused by industrial impact: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 959-963, illus. incl. 3 tables, geol. sketch maps, 12 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006259**

**Robinson, S. D. (Saint Lawrence University, Department of Geology, Canton, NY); Turetsky, M. R.; Kettles, I. M. and Wieder, R. K.**

Permafrost and peatland carbon sink capacity with increasing latitude: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 965-970, illus. incl. sketch map, 24 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006260**

**Roer, I. (University of Bonn, Department of Geography, Bonn, Federal Republic of Germany).**

Rock glacier kinematics in the Turtmanntal, Valais, Switzerland; observational concept, first results and research perspectives: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 971-975, illus. incl. sketch map, 21 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006261**

**Rogov, V. V. (Moscow State University, Department of Geography, Moscow, Russian Federation); Perednya, D. D.; Leibman, M. O.; Vasiliev, A. A. and Kizyakov, A. I.**

Tabular ground ice; cryolithological construction and crystalline structure: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 977-982, illus. incl. 4 tables, 8 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006262**

**Romanovskii, N. N. (Moscow State University, Moscow, Russian Federation); Hubberten, H. W.; Romanovsky, V. E. and Kholodov, A. L.**

Permafrost evolution under the influence of long-term climate fluctuations and glacio-eustatic sea-level variation; region of Laptev and East Siberian seas, Russia: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 983-987, illus. incl. sketch map, 22 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland. NSF Grant OPP-9986826.

**57006263**

**Romanovsky, V. E. (University of Alaska, Geophysical Institute, Fairbanks, AK); Sergueev, D. O. and Osterkamp, T. E.**

Temporal variations in the active layer and near-surface permafrost temperatures at the long-term observatories in Northern Alaska: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 989-994, illus. incl. sketch map, 15 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland. NSF Grants OPP-9870635 and OPP-9732126.

**57006264**

**Ronkko, M. (University of Helsinki, Department of Geography, Helsinki, Finland) and Seppala, M.**

Surface characteristics affecting active layer formation in palsas, Finnish Lapland: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 995-1000, illus. incl. 2 tables, sketch map, 12 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006265**

**Sawada, Y. (Hokkaido University, Graduate School of Environmental Earth Science, Hokkaido, Japan).**

Monitoring of ground-ice formation in a block slope at Mt. Nishi-Nupukaushinupuri, Hokkaido, Japan: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1001-1005, illus. incl. sketch map, 9 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006266**

**Semenova, N. P. (Ministry of Construction and Architecture of the Republic of Sakha, Yakutsk, Russian Federation); Tseeva, A. N. and Kutvitskaya, N. B.**

Experience of active layer tamping in cryolithozone: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1007-1011, illus. incl. 5 tables, 4 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006267**

**Seppala, M. (University of Helsinki, Physical Geography Laboratory, Helsinki, Finland).**

An experimental climate change study of the effect of increasing snow cover on active layer formation of a palsa, Finnish Lapland: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1013-1016, illus. incl. 2 tables, sketch maps, 8 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006268**

**Sergueev, D. (University of Alaska, Geophysical Institute, Fairbanks, AK); Tipenko, G.; Romanovsky, V. and Romanovskii, N.**

Mountain permafrost thickness evolution under influence of long-term climate fluctuations (results of numerical simulation): *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1017-1021, illus. incl. 1 table, 7 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006269**

**Severskiy, I. V. (Institute of Geography, Almaty, Kazakhstan) and Severskiy, E. V.**

The influence of local factors on snow cover and seasonal ground freezing in the Tien Shan: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1023-1028, illus. incl. 2 tables, 10 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006270**

**Sharkhuu, N. (Mongolia Academy of Sciences, Institute of Geography, Ulaanbaatar, Mongolia).**

Recent changes in the permafrost of Mongolia: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1029-1034, illus. incl. sketch map, 10 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006271**

**Sheng, Y. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research, Lanzhou, China); Wen, Z. and Fukuda, M.**

Physical properties of frozen soils measured using ultrasonic techniques: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1035-1038, illus., 14 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006272**

**Shiklomanov, N. I. (University of Delaware, Department of Geography, Newark, DE) and Nelson, F. E.**

Statistical representation of landscape-specific active-layer variability: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1039-1044, illus. incl. 1 table, 26 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland. NSF Grants OPP-9612647 and OPP-0095088.

**57006273**

**Shpolyanskaya, N. A. (Moscow State University, Department of Geography, Moscow, Russian Federation).**

Massive ground ice as a basis for paleogeographic reconstruction: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1045-1050, illus. incl. sketch map, 26 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006274**

**Shur, Y. (University of Alaska at Fairbanks, Fairbanks, AK) and Zhestkova, T.**

Cryogenic structure of a glacio-lacustrine deposit: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1051-1056, illus., 22 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006275**

**Sjogren, D. B. (University of Calgary, Earth Science Program, Calgary, AB, Canada); Moorman, B. J. and Vachon, P. W.**

The importance of temporal scale when mapping landscape change in permafrost environments using interferometric synthetic aperture radar: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1057-1062, illus. incl. 2 tables, 14 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006276**

**Skryabin, P. (Russian Academy of Sciences, Siberian Branch, Melnikov Permafrost Institute, Russian Federation); Skachkov, Y. and Varlamov, S.**

The thermal state of soils under contemporary climate change in central Yakutia: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1063-1066, illus. incl. 3 tables, 5 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006277**

**Slaughter, C. W. (University of Idaho, Ecohydraulics Research Group, Boise, ID) and Roddis, M. C.**

A quantitative baseline for long-term change in discontinuous permafrost: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1067-1072, illus. incl. 1 table, sketch map, 21 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006278**

**Smith, S. L. (Geological Survey of Canada, Natural Resources Canada, Ottawa, ON, Canada); Burgess, M. M. and Taylor, A. E.**

High Arctic permafrost observatory at Alert, Nunavut; analysis of a 23 year data set: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1073-1078, illus. incl. sketch map, 16 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006279**

**Snegirev, A. M. (Russian Academy of Sciences, Siberian Branch, Vilui Research Station, Yktutia, Russian Federation); Velikin, S. A.; Istratov, V. A.; Kuchmin, O. A.; Skvortsov, A. G. and Frolov, A. D.**

Geophysical monitoring in permafrost areas: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1079-1084, illus., 8 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006280**

**Sollid, J. L. (University of Oslo, Department of Physical Geography, Oslo, Norway); Iasaksen, K.; Eiken, T. and Odegard, R. S.**

The transition zone of mountain permafrost on Dovrefjell, Southern Norway: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 1085-1089, illus. incl. 1 table, sketch map, 8 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006281**

**Solomon, S. (Geological Survey of Canada, Dartmouth, NS, Canada) and Gareau, P.**

Beaufort Sea coastal mapping and the development of an erosion hazard index: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 1091-1096, illus. incl. 3 tables, 13 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006282**

**Sorensen, S. (Alyeska Pipeline Service Company, Fairbanks, AK); Smith, J. and Zarling, J.**

Thermal performance of TAPS heat pipes with non-condensable gas blockage: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 1097-1102, illus., 5 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006283**

**Stetjukha, V. A. (State Technical University, Chita, Russian Federation).**

Complex analytical modelling of processes in the southern Siberian permafrost: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 1103-1106, illus., 5 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006284**

**Streletskaia, I. D. (Lomonosov Moscow State University, Faculty of Geography, Moscow, Russian Federation); Ukrantseva, N. G. and Drozdov, I. D.**

A digital database on tabular ground ice in the Arctic: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 1107-1110, illus. incl. sketch map, 19 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006285**

**Streletskaia, I. D. (Moscow State University, Faculty of Geography, Moscow, Russian Federation) and Leibman, M. O.**

Cryogeochemical model tabular ground ice and cryopegs, Yamal Peninsula, Russia: *in Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; et al.), International Conference on Permafrost, Proceedings*, 8, Volume 2, p. 1111-1115, illus. incl. 1 table, sketch map, 17 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006286**

**Streletskii, D. A. (Lomonosov Moscow State University, Faculty of Geography, Moscow, Russian Federation); Streletskaya, I. D.; Rogov, V. V. and Leibman, M. O.**

Redistribution of ions within the active layer and upper permafrost, Yamal, Russia: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1117-1122, illus. incl. sketch map, 15 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006287**

**Szymanski, M. B. (AMEC Earth and Environmental, Mississauga, ON, Canada); Zivkovic, A.; Tchekhovski, A. and Swarbrick, B.**

Designing for closure of an open pit in the Canadian Arctic: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1123-1128, illus. incl. 2 tables, sketch map, 2 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006288**

**Tarnocai, C. (Agriculture and Agri-Food Canada, Ottawa, ON, Canada); Kimble, J. and Broll, G.**

Determining carbon stocks in Cryosols using the northern and mid latitudes soil database: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1129-1134, illus. incl. 7 tables, 17 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006289**

**Tart, R. G., Jr. (Golder Associates, Anchorage, AK).**

Heave and solifluction on slopes: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1135-1140, illus., 8 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006290**

**Tsapin, A. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA) and McDonald, G.**

Microorganisms buried in permafrost; are they in a dormant state or is their metabolism slowed down?: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1141-1144, illus., 11 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006291**

**Tseeva, A. N. (Yakut Design Research Institute for Construction, Yakutsk, Russian Federation); Matveeva, O. I. and Viktorov, A. E.**

Reinforcement of strip foundations of old structures built on permafrost: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1145-1148, illus., 3 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006292**

**Ukraintseva, N. G. (Lomonosov Moskov State University, Moscow, Russian Federation); Streletskaya, I. D.; Ermokhina, K. A. and Yermakov, S. Yu.**

Geochemical properties of plant-soil-permafrost systems on landslide slopes, Yamal, Russia: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1149-1154, illus. incl. 2 tables, sketch map, 16 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006293**

**Vanshtein, B. G. (VNIIookeangeologia, Saint Petersburg, Russian Federation); Cherkashev, G. A.; Piven, P. I. and Leibman, M. O.**

Cryogegeochemical fields in the tabular ground ice as indicators of its origin: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1155-1160, illus. incl. 3 tables, sketch map, 26 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006294**

**Varlamov, S. P. (Melnikov Permafrost Institute, Yakutsk, Russian Federation).**

Insulating effect of land covers in central Yakutia: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1161-1165, illus. incl. 4 tables, 13 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006295**

**Vasil'chuk, A. C. (Lomonosov's Moscow State University, Moscow, Russian Federation); Kim, J. C. and Vasil'chuk, Y. K.**

First radiocarbon dating of pollen and spores from syngenetic ice-wedge ice: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1167-1172, illus. incl. 3 tables, sketch map, 17 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006296**

**Vasiliev, A. A. (Earth Cryosphere Institute Moscow, Moscow, Russian Federation).**

Permafrost controls of coastal dynamics at the Marre-Sale key site, western Yamal: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1173-1178, illus. incl. sketch map, 19 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006297**

**Vasiliev, I. S. (Russian Academy of Sciences, Siberian Branch, Melnikov Permafrost Institute, Yakutsk, Russian Federation) and Fedorov, A. N.**

Thaw depth variation with plant succession after anthropogenic disturbances, central Yakutia: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1179-1182, illus. incl. sketch map, 5 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006298**

**Vieira, C. (University of Lisbon, Centro de Estudos Geograficos, Lisbon, Portugal) and Ramos, M.**

Geographic factors and geocryological activity in Livingston Island, Antarctic; preliminary results: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1183-1188, illus. incl. 1 table, 13 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006299**

**Vinson, T. S. (Oregon State University, Department of Civil Engineering, Corvallis, OR) and Lofgren, D.**

Denali Park access road icing problems and mitigation options: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1189-1194, illus. incl. 2 tables, 11 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006300**

**Mühl, D. S. Vonder (Universities of Basel and Zurich, Basel, Switzerland); Arenson, L. U. and Springman, S. M.**

Temperature conditions in two Alpine rock glaciers: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1195-1200, illus., 26 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006301**

**Walegur, M. T. (University of Delaware, Department of Geography, Newark, DE) and Nelson, F. E.**

Permafrost distribution in the Appalachian Highlands, northeastern USA: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1201-1206, illus. incl. 2 tables, sketch map, 28 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006302**

**Wang, D. Y. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Gansu, China); Zhu, Y. L.; Peng, W. W.; Zhao, S. P. and Li, H. P.**

Measurement of dynamic parameters of frozen soil by ultrasonic techniques: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1207-1210, illus. incl. 2 tables, 7 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006303**

**Watanabe, K. (Mie University, Faculty of Bioresources, Tsu, Japan); Kiyosawa, H.; Fukumura, K.; Ezaki, T. and Mizoguchi, M.**

Spatial and temporal variation in thaw depth in Siberian tundra near Tiksi: *in Proceedings of the eighth international conference on Permafrost* (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1211-1216, illus. incl. 1 table, sketch map, 24 ref., 2003. *Meeting:* July 21-25, 2003, Zurich, Switzerland.

**57006304**

**Wayne, W. J. (University of Nebraska, Department of Geosciences, Lincoln, NE).**  
Provenance of sand in periglacial sand wedges and sheet sand, northeastern Nebraska, USA: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1217-1222, illus. incl. sketch map, 33 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006305**

**Weaver, J. (Geomatrix Consultants, Denver, CO).**  
Assessment of sub-permafrost groundwater conditions at the Red Dog Mine, Alaska: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1223-1228, illus., 11 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006306**

**Weaver, J. (Geomatrix Consultants, Denver, CO) and Kulas, J.**  
Development of a numerical model to assess potential long-term thermal impact on permafrost temperatures at the Red Dog Mine, Alaska: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1229-1233, illus. incl. 1 table, 7 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006307**

**Wetzel, H. (Institute of Plant Nutrition and Soil Science, Kiel, Federal Republic of Germany); Fleige, H. and Horn, R.**

Chemical and physical properties of palsas; degradation of palsas in the region of Northern Norway: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1235-1240, illus. incl. 8 tables, sketch map, 22 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006308**

**Wright, J. F. (Geological Survey of Canada, Ottawa, ON, Canada); Duchesne, C. and Côté, M. M.**

Regional-scale permafrost mapping using the TTOP ground temperature model: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1241-1246, illus. incl. 3 tables, sketch map, 26 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006309**

**Wu, Q. (Nanjing University, Department of Earth Science, Nanjing, China); Shi, B. and Liu, Y.**

Application of models for calculating thermal offset and annual mean permafrost-surface temperature (AMPST) in permafrost research on the Qinghai-Tibet Plateau: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1247-1252, illus. incl. 2 tables, sketch map, 16 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006310**

**Yasufuku, N. (Kyushu University, Fukuoka, Japan); Springman, S. M.; Arenson, L. U. and Rambolt, T.**

Stress-dilatancy behaviour of frozen sand in direct shear: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1253-1258, illus. incl. 2 tables, 21 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006311**

**Yoshikawa, K. (University of Alaska, Institute of Northern Engineering, Fairbanks, AK); White, D.; Hinzman, L.; Goering, D.; Petrone, K.; Bolton, W. and Ishikawa, N.**

Water in permafrost; case study of aufeis and pingo hydrology in discontinuous permafrost: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1259-1264, illus. incl. 2 tables, sketch map, 12 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland. NSF Grant DEB-9211769.

**57006312**

**Young, K. L. (York University, Department of Geography, Toronto, ON, Canada) and Woo, M. K.**

Frost table development beneath patchy wetlands in a continuous permafrost, High Arctic setting: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1265-1270, illus. incl. sketch maps, 16 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006313**

**Yu, Q. H. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, China); Cheng, G. D. and Wang, W. L.**

The progress of permafrost investigation with geophysical methods in China: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1271-1276, illus., 20 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006314**

**Yu, W. B. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China); Zhu, Y. L.; Lai, Y. M.; Zhang, J. M.; Zhang, X. F.; Li, H. P. and Zhang, S. J.**

Pressuremeter test in permafrost on the Qinghai-Tibet Plateau: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1277-1281, illus. incl. 2 tables, 7 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006315**

**Zabolotnik, S. I. (Russian Academy of Sciences, Siberian Branch, Melnikov Permafrost Institute, Yakutsk, Russian Federation).**

Specific features of permafrost formation in the North-east Amur region: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1283-1288, illus. incl. 2 tables, sketch map, 10 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006316**

**Zhang, T. (University of Colorado at Boulder, Cooperative Institute for Research in Environmental Sciences, Boulder, CO); Barry, R. G.; Knowles, K.; Ling, F. and Armstrong, R. L.**

Distribution of seasonally and perennially frozen ground in the Northern Hemisphere: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1289-1294, illus. incl. 1 table, 26 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland. NSF Grant OPP-9907541.

**57006317**

**Zhang, Y. (Frontier Observational Research System for Global Change, Yokohama, Japan); Kadota, T. and Ohata, T.**

Land-surface hydrological processes in discontinuous permafrost region of the western Tibetan Plateau: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1295-1299, illus. incl. sketch map, 11 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006318**

**Zhao, S. P. (Chinese Academy of Sciences, State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, Gansu, China); Zhu, Y. L. and He, P.**

Recent progress in research on the dynamic response of frozen soil: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1301-1306, 34 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006319**

**Zubeck, H. K. (University of Alaska at Anchorage, Anchorage, AK) and Liu, H.**

Design of helical pier foundations in frozen ground: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1307-1312, illus. incl. 1 table, 6 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006320**

**Zuidhoff, F. S. (Uppsala University, Department of Earth Sciences, Uppsala, Sweden).**

Physical properties of the surface peat layer and the influence on thermal conditions during the development of palsas: *in* Proceedings of the eighth international conference on Permafrost (Phillips, Marcia, editor; *et al.*), **International Conference on Permafrost, Proceedings**, 8, Volume 2, p. 1313-1317, illus. incl. 3 tables, sketch map, 24 ref., 2003. *Meeting*: July 21-25, 2003, Zurich, Switzerland.

**57006523**

**Assur, Andrew (U. S. Cold Regions Research and Engineering Laboratory, Hanover, NH).**

A properly designed icebreaker; prediction on the icebreaking performance of the German polar research vessel; discussion: 7 p., illus., 1981. *Available from*: Informal notes, United States. For reference to original see Schwartz, J., Jochmann, P., Hoffmann, L., 6th ship technology and research (STAR) symposium proceedings, Ottawa, ON, June 17-19, p. 239-248, 1981; Society of Naval Architects and Marine Engineers, New York, NY; Ant. Acc. No: 27180; CRREL Acc. No: 37000709. CRREL Report No: ERDC/CRREL MP-03-6081

**57006535**

**Mounier, Lionel.**

Etude des microparticules insolubles déposées dans la glace Antarctique au cours du dernier cycle climatique [Study of insoluble microparticles deposited in Antarctic ice during the last climate cycle]: 179 p. (English sum.), illus. incl. 15 tables, sketch map, 100 ref., Doctoral, 1988, Université Joseph Fournier, Grenoble, France. Includes appendices.

**58000105**

**Bittenbender, Peter E.; Bean, Kirby W. and Gensler, Edward G.**

Mineral investigations in the Delta River mining district, East-Central Alaska, 2001-2002:

**BLM-Alaska Open File Report**, Rep. No. 91, 82 p. 3 sheets, illus. incl. 8 tables; colored site location map; colored economic geology maps, 12 ref., July 2003.

**58000451**

**Hwang, Jong-Sun (Yonsei University, Department of Earth System Sciences, Yonsei, South Korea); Min, Kyung Duck; Kim, Joeng Woo; Hong, Sungmin and Yoon, Hoil.**

Microwave sensing implied sea ice distribution in the Weddell Sea, Antarctica: *in* Remote sensing; integrating our view of the planet; proceedings (LeDrew, Ellsworth F., chairperson), **International Geoscience and Remote Sensing Symposium**, 2002, Volume 3, p. 1941-1943, illus., 5 ref., 2002. *Meeting:* 24th Canadian symposium on Remote sensing, June 24-28, 2002, Toronto, CA.

**58000452**

**Li, Shusun (University of Alaska, Geophysical Institute, Fairbanks, AK) and Zhou, Xiaobing.**

Derivation and comparison of bi-directional reflectance functions of first year and multi-year sea ice types in the Southern Ocean: *in* Remote sensing; integrating our view of the planet; proceedings (LeDrew, Ellsworth F., chairperson), **International Geoscience and Remote Sensing Symposium**, 2002, Volume 3, p. 1944-1946, illus., 2 ref., 2002. *Meeting:* 24th Canadian symposium on Remote sensing, June 24-28, 2002, Toronto, CA.

**58000466**

**Truffer, Martin (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK) and Echelmeyer, Keith A.**

Of isbrae and ice streams: *in* Papers from the International symposium on Fast glacier flow (Raymond, Charles F., prefacer; *et al.*), **Annals of Glaciology**, 36, p. 66-72, illus. incl. 1 table, 40 ref., 2003. *Meeting:* June 10-14, 2002, Yakutat, AK. NSF Grant OPP-0086997.

**58000499**

**Przybylak, Rajmund (Nicholas Copernicus University, Department of Climatology, Torun, Poland).**

The climate of the Arctic: **Atmospheric Oceanographic Sciences Library**, 26, 270 p., illus. incl. tables, sketch maps, 654 ref., 2003. ISBN: 1-4020-1134-2.

**58000500**

**Wang, Pao K. (University of Wisconsin-Madison, Department of Atmospheric and Ocean Sciences, Madison, WI).**

Ice microdynamics: Academic Press, San Diego, CA, 273 p., illus. incl. tables, 171 ref., 2002. ISBN: 0-12-734603-1. This volume is a paperback reprint of Pao K. Wang's article that appears in Volume 45 of Advances in Geophysics (R. Dmowska and B. Saltzman, eds.); Includes 3 appendices.

**58000638**

**Marchand, Peter J.**

Life in the cold; an introduction to winter ecology: 3rd edition, University Press of New England, Hanover, NH, 304 p., illus., 1996. ISBN: 0-87451-785-0. First edition, 1987; Second edition, 1991.

**58000873**

**Rachold, Volker (Alfred Wegener Institute, Research Unit Potsdam, Potsdam, Federal Republic of Germany); Brown, Jerry; Solomon, Steven and Sollid, Johan Ludvig, editors.**

Arctic coastal dynamics; report of the 3rd international workshop: **Arctic Coastal Dynamics - Report of the International Workshop**, 3, 127 p., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway. Individual papers are cited separately; includes appendix.

**58000874**

**Anonymous.**

History and development of ACD: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 1-8, illus. incl. 2 tables, sketch map, 13 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000875**

**Are, Feliks (Saint Petersburg University, Russian Federation); Atkinson, David; Brown, Jerry; Cherkashov, George A.; Dokken, Sverre; Drozdov, Dmitry; Etzelmüller, Bernd; Grigoriev, Mikhail N.; Hölemann, Jens A.; Hubberten, Hans-Wolfgang; Kizyakov, Alexandre I.; Lantuit, Hugues; Mahoney, Andy; Odegard, Rune S.; Ogorodov, Stanislav; Ostroumov, Volodya; Perednya, Dmitry D.; Rachold, Volker; Rivkin, Feliks M.; Rogne, Odd; Ryabinin, Vladimir; Sollid, Johan Ludvig; Solomon, Steven M.; Steenhuisen, Frits; Streletskaya, Irina D.; Vasiliev, Alexander; Wangensteen, Bjorn and May, Ian.**

Program and main results of the workshop: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 9-15, table, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000876**

**Atkinson, David E. (Geological Survey of Canada (Atlantic), Bedford Institute of Oceanography, Dartmouth, NS, Canada) and Solomon, Steven M.**

A Circum-Arctic environmental forcings database for coastal morphological prediction; development and preliminary analyses: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 19-24, illus. incl. sketch maps, 4 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000877**

**Brown, Jerry (International Permafrost Association, Woods Hole, MA) and Jorgenson, M. T.**

Carbon estimates from two Beaufort Sea key sites, Alaska [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 25-27, 2 tables, 6 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000878**

**Cherkashev, George A. (VNIIookeangeologia, Saint Petersburg, Russian Federation); Vanshtein, B. G.; Firsov, Yu. G. and Ivanov, M. V.**

Investigations of coastal dynamics at the ACD key sites in the western Russian Arctic (2001-2002 field work) [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 28-29, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000879**

**Dokken, Sverre T. (Norwegian Computing Center, Oslo, Norway).**

Characterization of coastal polynyas in the Arctic with remote sensing techniques and comparison with numerical model investigations [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 30, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000880**

**Drozdov, Dmitry S. (Russian Academy of Sciences, Siberian Branch, Earth Cryosphere Institute, Moscow, Russian Federation); Malkova, G. V. and Korostelev, Yu. V.**

The landscape map of the Russian Arctic coastal zone [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 31-32, 4 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000881**

**Etzelmüller, Bernd (University of Oslo, Department of Physical Geography, Oslo, Norway); Odegard, Rune S. and Sollid, Johan Ludvig.**

The spatial distribution of coast types on Svalbard: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 33-40, illus. incl. table, sketch maps, 11 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000882**

**Grigoriev, Mikhail N. (Russian Academy of Sciences, Permafrost Institute, Yakutsk, Russian Federation); Lack, M. and Rachold, Volker.**

The GIS-based quantification of the sediment and organic carbon flux to the Laptev and East Siberian seas through coastal erosion [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 41, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000883**

**Hölemann, Jens A.** (**Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany**); **Bauch, H.**; **Berezovskaya, S.**; **Dmitrenko, I.**; **Kassens, H.**; **Kirillov, S.**; **Müller-Lupp, T.**; **Priamikov, S.**; **Thiede, J.**; **Timokhov, L.** and **Wegner, C.**

The sensitivity of Arctic shelf seas to variations in environmental forcing; 10 years of progress in understanding the "Laptev Sea system" [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 42-43, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000884**

**Hubberten, Hans-Wolfgang** (**Alfred Wegener Institute, Potsdam, Federal Republic of Germany**); **Grigoriev, Mikhail N.**; **Are, Feliks E.** and **Rachold, Volker**.

The expedition LENA 2002 [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 44, sketch map, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000885**

**Jordan, J. W.** (**Antioch New England Graduate School, Department of Environmental Studies, Keene, NH**).

Coastal processes in the Southeast Chukchi Sea, Alaska; landscape history and the future [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 45-46, sketch map, 4 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000886**

**Kizyakov, Alexandr I.** (**Earth Cryosphere Institute, Moscow, Russian Federation**); **Perednya, Dmitry D.**; **Firsov, Yu. G.**; **Leibman, M. O.** and **Cherkashov, George A.**

Character of the coastal destruction and dynamics of the Yugorsky Peninsula coast [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 47-49, illus., 1 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000887**

**Kotov, A. N.** (**Chukchi Scientific Center, Russian Federation**) and **Tregubov, O. D.**

Monitoring of the Onemen Bay coast (Chukotka) [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 50-52, 4 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000888**

**Koreisha, M. M.** (**Production and Research Institute for Construction Engineering Survey, Moscow, Russian Federation**); **Rivkin, Feliks M.** and **Ivanova, N. V.**

The Arctic coastal classification for estimation of industrial effects [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 53, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000889**

**Lantuit, Hugues (McGill University, Department of Geography and Centre for Climate and Global Change Research, Montreal, PQ, Canada) and Pollard, W.**

Remotely sensed evidence of enhanced erosion during the twentieth century on Herschel Island, Yukon Territory: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 54-59, sketch maps, 11 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000890**

**Mahoney, Andy (University of Alaska Fairbanks, Geophysical Institute, Fairbanks, AK); Eicken, H. and Shapiro, L.**

Alaskan landfast sea ice variability and episodic events [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 60-63, illus., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000891**

**Malkova, Galina V. (Russian Academy of Sciences, Siberian Branch, Earth Cryosphere Institute, Russian Federation); Drozdov, Dmitry S.; Kanevskiy, M. Z. and Korostelev, Yu. V.** Coastal research in the area of the geocryological station "Cape Bolvanskiy", in the estuary of Pechora River [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 64-65, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000892**

**Manley, William F. (University of Colorado, INSTAAR, Boulder, CO); Lestak, L. and Maslanik, J. A.**

Photogrammetric analysis of coastal erosion along the Chukchi coast at Barrow, Alaska [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 66-68, illus., 5 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000893**

**Manson, G. (Geological Survey of Canada, Dartmouth, NS, Canada); Forbes, D.; Lavergne, J. C.; Craymer, M.; Hines, J.; Swystun, H. and Milne, T.**

Current coastal research in Canada's western Arctic [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 69-72, illus. incl. sketch map, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000894**

**Odegard, Rune S. (Gjovik University College, Gjovik, Norway); Wangensteen, B. and Sollid, Johan Ludvig.**

The fit-for-use of the GEBCO coastline to estimate coastal length; a case study from Spitsbergen [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop* (Rachold, Volker, editor; *et al.*), **Arctic Coastal Dynamics - Report of the International Workshop**, 3, p. 73, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000895**

**Ogorodov, S. A. (Moscow State University, Faculty of Geography, Moscow, Russian Federation).**

Coastal dynamics in the Pechora Sea under technogenic impact: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 74-80, illus. incl. sketch map, 9 ref., 2002. *Meeting:* Dec. 2-5, 2002, Oslo, Norway.

**58000896**

**Ogorodov, S. A. (Moscow State University, Faculty of Geography, Moscow, Russian Federation) and Polyakova, Ye. I.**

Dynamics and evolution of barrier beaches in the Pechora Sea: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 81-86, illus., 9 ref., 2002. *Meeting:* Dec. 2-5, 2002, Oslo, Norway.

**58000897**

**Ostroumov, Volodya (Russian Academy of Sciences, Institute of Physicochemical and Biological Problems of Soil Science, Moscow, Russian Federation).**

Coastal dynamics during the erosion of the ice complex and Taber permafrost deposits; a model based on the fragmentary stationary matrixes of the transient probabilities [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 87-88, illus., 1 ref., 2002. *Meeting:* Dec. 2-5, 2002, Oslo, Norway.

**58000898**

**Pavlidis, Yu. (P. P. Shirshov Institute of Oceanology, Moscow, Russian Federation); Nikiforov, S. and Rachold, Volker.**

Morphogenetic classification of the Arctic coastal seabed [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 89-91, 3 ref., 2002. *Meeting:* Dec. 2-5, 2002, Oslo, Norway.

**58000899**

**Perednya, Dmitry D. (Moscow State University, Faculty of Geography, Moscow, Russian Federation); Leibman, M. O.; Kizyakov, Alexandre I.; Vanshtein, B. G. and Cherkashov, George A.**

Coastal dynamics at the western part of Kolguev Island, Barents Sea [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 92-94, illus., 1 ref., 2002. *Meeting:* Dec. 2-5, 2002, Oslo, Norway.

**58000900**

**Prick, A. (University Courses on Svalbard, Norway).**

Monitoring weathering and erosion of bedrock on a coastal cliff, Longyearbyen, Svalbard [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 95-96, 2002. *Meeting:* Dec. 2-5, 2002, Oslo, Norway.

**58000901**

**Rachold, Volker (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany); Grigoriev, Mikhail N. and Hubberten, Hans-Wolfgang.**

Modern coastal organic carbon input to the Arctic Ocean [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 97, table, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000902**

**Ryabinin, Vladimir (World Climate Research Programme, Geneve, Switzerland).**

From the "Arctic Climate System Study" to a new global project "Climate and Cryosphere" of the World Climate Research Programme (WCRP) [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 98-99, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000903**

**Semiletov, I. P. (International Arctic Research Center and Pacific Oceanological Institute, Fairbanks, AK).**

Effects of coastal processes on the biogeochemistry of the marine near-shore zone; the Amerasian Arctic [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 100-101, illus., 7 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000904**

**Sharov, A. I. (Joanneum Research, Institute of Digital Image Processing, Graz, Austria) and Glazovskiy, A. F.**

New inventory of ice shores in the western Russian Arctic [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 102, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000905**

**Shpolyanskaya, N. A. (Moscow State University, Geographic Faculty, Moscow, Russian Federation); Badu, Yu. B. and Streletskaia, Irina D.**

Coastal formation in the western sector of the Russian Arctic region during the Pleistocene-Holocene [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 103-106, sketch maps, 6 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000906**

**Skvortsov, A. G. (Russian Academy of Sciences, Siberian Branch, Earth Cryosphere Institute, Moscow, Russian Federation) and Drozdov, Dmitry S.**

The assessment of stress-strain conditions of coastal slope by use of seismic reconnaissance [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 107, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000907**

**Solomon, Steve M. (Geological Survey of Canada (Atlantic), Bedford Institute of Oceanography, Dartmouth, NS, Canada).**

A new shoreline change database for the Mackenzie-Beaufort region, NWT, Canada [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 108-109, illus., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000908**

**Vasiliev, Alexander (Earth Cryosphere Institute, Moscow, Russian Federation); Kanevskiy, M. Z. and Firsov, Yu. G.**

The mechanism of the sea coast destruction in Marre-Sale, western Yamal [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 110-113, illus. incl. table, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000909**

**Wangensteen, Bjorn (University of Oslo, Department of Physical Geography, Oslo, Norway); Eiken, T.; Odegard, Rune S. and Sollid, Johan Ludvig.**

Establishing of four sites for measuring coastal cliff erosion by means of terrestrial photogrammetry in the Kongsfjorden area, Svalbard: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 114-118, illus. incl. table, sketch map, 7 ref., 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000910**

**Zöckler, C. (UNEP-WCMC, Cambridge, United Kingdom) and Lysenko, I.**

Waterbirds on the edge; impact assessment of climate change on Arctic-breeding water birds [abstr.]: *in Arctic coastal dynamics; report of the 3rd international workshop (Rachold, Volker, editor; et al.), Arctic Coastal Dynamics - Report of the International Workshop*, 3, p. 119-120, 2002. *Meeting*: Dec. 2-5, 2002, Oslo, Norway.

**58000913**

**Pinkerton, Jerry L. (Bureau of Land Management, Alaska State Office Division of Geomatics and Cadastral Services, AK).**

Dinkum Sands; in search of an island in the far North: **Hydro International**, 7(5), p. 27-29, illus. incl. sketch map, June 2003.

**58000914**

**Conlon, Charles M., Jr. (Avco Corporation, Avco Systems Division, Wilmington, MA).**

Remotely monitored battlefield sensor system; TDV penetration tests into frozen sand: Rep. No. AVSD-0293-73-RR, 106 p., illus. incl. 9 tables, 6 ref., September 1973. Available from: U. S. Army, Picatinny Arsenal, Dover, NJ, United States. Final report.

**58000915**

**Morland, L. W. (University of East Anglia, School of Mathematics and Physics, Norwich, United Kingdom); Spring, U. and Williams, H. T.**

Ice mechanics: 24 p., illus., 9 ref., April 1984. Available from: U. S. Army, Research, Development and Standardization Group-UK, London, United Kingdom.

**58001001**

**Berman, Justin B.** (U. S. Army Engineer Research and Development Center, Construction Engineering Research Lab, Champaign, IL); **Al-Chaar, Ghassan K.** and **Dutta, Piyush K.** Investigation of brick triplets as a standard materials test specimen for unreinforced masonry panel construction: *in* Fourth Canadian-international composites conference (Johnston, Andrew, chairperson; *et al.*), **Canadian International Composites Conference**, 4, 12 p., illus. incl. 4 tables, 8 ref., 2003. *Meeting:* Aug. 19-22, 2003, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-03-6101

**58001010**

**Lafleur, Paul** (Université Laval, Sciences Appliquées, Sainte-Foy, PQ, Canada). Propriétés mécaniques de la glace de neige en flexion [Mechanical properties of deformed snow ice]: 81 p., illus., 27 ref., Master's, July 1970, Université Laval, Sainte-Foy, PQ. Includes appendix.

**58001190**

**Yoon, H. I.** (Korea Ocean Research and Development Institute, Polar Sciences Laboratory, Seoul, South Korea); **Park, B. K.**; **Han, M. W.**; **Khim, B. K.**; **Kim, Y.** and **Kang, C. Y.** Origin of laminated diatom ooze in King George Basin sediments from Bransfield Strait, Antarctica: **Geosciences Journal (Seoul)**, 5(3), p. 225-231, illus. incl. sketch map, 23 ref., September 2001.

**58001191**

**Xiao Cunde** (Chinese Academy of Sciences, Laboratory of Ice Core and Cold Regions Environment (LICCCE), Lanzhou, China); **Kang Shichang**; **Qin Dahe**; **Yao Tandong** and **Ren Jiawen**.

Transport of atmospheric impurities over the Qinghai-Xizang (Tibetan) Plateau as shown by snow chemistry: *in* 15th international Himalaya-Karakoram-Tibet workshop (Wang Chengshan, editor; *et al.*), **Journal of Asian Earth Sciences**, 20(3), p. 231-239, illus. incl. 1 table, geol. sketch map, 40 ref., February 2002. *Meeting:* April 22-24, 2000, Chengdu, China.

**58001192**

**He Yuanqing** (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Institute, Lanzhou, China); **Yao Tandonga**; **Theakstone, W. H.**; **Cheng Guodong**; **Yang Meixue** and **Chen Tuo**.

Recent climatic significance of chemical signals in a shallow firn core from an alpine glacier in the South-Asia monsoon region: *in* 15th international Himalaya-Karakoram-Tibet workshop (Wang Chengshan, editor; *et al.*), **Journal of Asian Earth Sciences**, 20(3), p. 289-296, illus. incl. sketch maps, 29 ref., February 2002. *Meeting:* April 22-24, 2000, Chengdu, China.

**58001193**

**Xiong Shangfa** (Chinese Academy of Sciences, Institute of Geology & Geophysics, Beijing, China); **Ding Zhongli** and **Yang Shiling**.

Abrupt shifts in the late Cenozoic environment of northwestern China recorded in loess-palaeosol-red clay sequences: **Terra Nova**, 13(5), p. 376-381, illus. incl. geol. sketch map, 45 ref., October 2001.

**58001194**

**Catto, Norm R., editor (Memorial University of Newfoundland, Department of Geography, Saint John's, NF, Canada).**

Holocene Studies, INQUA Commission meeting, Sevilla 2000: **Quaternary International**, 87, 140 p., illus. incl. tables, strat. cols., geol. sketch maps, 2002. *Meeting:* March 27-30, 2000, Seville, Spain. Individual papers are cited separately.

**58001195**

**Planas, Xavier (IGEOTEST, Andorra); Ponsa, Aurea; Coronato, Andrea and Rabassa, Jorge.**

Geomorphological evidence of different glacial stages in the Martial Cirque, Fuegian Andes, southernmost South America: *in* Holocene Studies, INQUA Commission meeting, Sevilla 2000 (Catto, Norm R., editor), **Quaternary International**, 87, p. 19-27, illus. incl. geol. sketch maps, 36 ref., 2002. *Meeting:* March 27-30, 2000, Seville, Spain.

**58001196**

**Frielle, Pierre A. (P.O. Box 612, Squamish, BC, Canada) and Clague, John J.**

Readvance of glaciers in the British Columbia Coast Mountains at the end of the last glaciation: *in* Holocene Studies, INQUA Commission meeting, Sevilla 2000 (Catto, Norm R., editor), **Quaternary International**, 87, p. 45-58, illus. incl. strat. cols., 2 tables, geol. sketch maps, 33 ref., 2002. *Meeting:* March 27-30, 2000, Seville, Spain.

**58001197**

**Lauriol, Bernard (University of Ottawa, Department of Geography, Ottawa, ON, Canada); Cabana, Yannick; Cinq-Mars, Jacques; Geurts, Marie-Anne and Grimm, F. Wayne.**

Cliff-top eolian deposits and associated molluscan assemblages as indicators of late Pleistocene and Holocene environments in Beringia: *in* Holocene Studies, INQUA Commission meeting, Sevilla 2000 (Catto, Norm R., editor), **Quaternary International**, 87, p. 59-79, illus. incl. sects., 3 tables, sketch maps, 68 ref., 2002. *Meeting:* March 27-30, 2000, Seville, Spain. Includes appendix. *Holocene, Pleistocene*

**58001198**

**Rudoy, Alexei N. (Tomsk State Pedagogical University, Laboratory of Pleistocene Geology and Palaeogeography, Russian Federation).**

Glacier-dammed lakes and geological work of glacial superfloods in the late Pleistocene, southern Siberia, Altai Mountains: *in* Holocene Studies, INQUA Commission meeting, Sevilla 2000 (Catto, Norm R., editor), **Quaternary International**, 87, p. 119-140, illus. incl. 4 tables, geol. sketch maps, 70 ref., 2002. *Meeting:* March 27-30, 2000, Seville, Spain.

**58001199**

**Mauquoy, Dmitri (University of Amsterdam, Centre for Geo-ecological Research, Amsterdam, Netherlands); van Geel, Bas; Blaauw, Maarten and van der Plicht, Johannes.**

Evidence from Northwest European bogs show "Little Ice Age" climatic changes driven by variations in solar activity: **The Holocene**, 12(1), p. 1-6, illus. incl. 2 tables, sketch map, 41 ref., 2002.

**58001200**

**Snowball, Ian (Lund University, Department of Quaternary Geology, Lund, Sweden); Zillén, Lovisa and Gaillard, Marie-José**

Rapid early-Holocene environmental changes in northern Sweden based on studies of two varved lake-sediment sequences: **The Holocene**, 12(1), p. 7-16, illus. incl. sketch maps, 46 ref., 2002.

**58001201**

**Dahl, Svein Olaf** (University of Bergen, Department of Geography, Bergen, Norway); **Nesje, Atle; Lie, Oyvind; Fjordheim, Kristine and Matthews, John A.**

Timing, equilibrium-line altitudes and climatic implications of two early-Holocene glacier re-advances during the Erdalen Event at Jostedalsbreen, western Norway: **The Holocene**, 12(1), p. 17-25, illus. incl. 1 table, geol. sketch maps, 60 ref., 2002.

**58001202**

**Lauriol, B.** (University of Ottawa, Department of Geography, Ottawa, ON, Canada); **Duguay, C. R. and Riel, A.**

Response of the Porcupine and Old Crow rivers in northern Yukon, Canada, to Holocene climatic change: **The Holocene**, 12(1), p. 27-34, illus. incl. 3 tables, sketch map, 41 ref., 2002.

**58001203**

**Jennings, Anne E.** (University of Colorado, INSTAAR and Department of Geological Sciences, Boulder, CO); **Knudsen, Karen Luise; Hald, Morten; Hansen, Carsten Vigen and Andrews, John T.**

A mid-Holocene shift in Arctic sea-ice variability on the East Greenland Shelf: **The Holocene**, 12(1), p. 49-58, illus. incl. 1 table, sketch map, 72 ref., 2002.

**58001204**

**Turunen, Jukka** (University of Joensuu, Department of Biology, Joensuu, Finland); **Tomppo, Erkki; Tolonen, Kimmo and Renikainen, Antti.**

Estimating carbon accumulation rates of undrained mires in Finland; application to boreal and subarctic regions: **The Holocene**, 12(1), p. 69-80, illus. incl. 4 tables, sketch maps, 63 ref., 2002.

**58001205**

**Zhou, W. J.** (Chinese Academy of Sciences, Institute of Earth Environment, Xi'an, China); **Dodson, J.; Head M. J.; Li, B. S.; Hou, Y. J.; Lu, X. F.; Donahue, D. J. and Jull, A. J. T.**

Environmental variability within the Chinese desert-loess transition zone over the last 20 000 years: **The Holocene**, 12(1), p. 107-112, illus. incl. sketch maps, 37 ref., 2002.

**58001206**

**Glasser, Neil F.** (University of Wales, Institute of Geography and Earth Sciences, Ceredigion, United Kingdom); **Hambrey, Michael J. and Aniya, Masamu.**

An advance of Soler Glacier, North Patagonian Icefield, at c. AD 1222-1342: **The Holocene**, 12(1), p. 113-120, illus. incl. 2 tables, geol. sketch maps, 55 ref., 2002.

**58001207**

**Chauhan, D. S.** (Jai Narain Vyas University, Department of Geology, Jodhpur, India); **Mathur, K. M. and Ram, Narayan.**

Geological nature of the Pokaran Boulder Bed; palaeoenvironmental, palaeoclimatic and stratigraphic implications: **Journal of the Geological Society of India**, 58(5), p. 425-433, illus. incl. sect., 2 tables, geol. sketch map, 28 ref., November 2001.

**58001208**

**Brain, C. K.** (Transvaal Museum, Pretoria, South Africa); **Hoffmann, K. H.**; **Prave, A. R.**; **Fallick, A. E.**; **Coetze, J.** and **Botha, A. J.**

Interpretive problems in a search for micro-invertebrate fossils from a Neoproterozoic limestone in Namibia: **Palaeontologia Africana**, 37, p. 1-12, illus. incl. strat. col., geol. sketch map, 33 ref., 2001.

**58001209**

**Sliwa, Lucyna** (Uniwersytet Jagiellonski, Instytut Botaniki, Cracow, Poland) and **Olech, Maria**.

Notes on species of Lecanora (lichenized Ascomycotina) from the Antarctic: **Polish Polar Research**, 23(2), p. 117-133, illus., 28 ref., 2002.

**58001210**

**Blachowiak-Somolyk, Katarzyna** (Polska Akademia Nauk, Instytut Oceanologii, Sopot, Poland) and **Osowiecki, Andrzej**.

Distribution and population structure of pelagic Ostracoda near the sea-ice edge in the Scotia Sea and off the King George Island (December 1988-January 1989): **Polish Polar Research**, 23(2), p. 135-152, illus. incl. 2 tables, sketch map, 48 ref., 2002.

**58001211**

**Zajaczkowski, Marek** (Polska Akademia Nauk, Instytut Oceanologii, Sopot, Poland).

On the use of sediment traps in sedimentation measurements in glaciated fjords: **Polish Polar Research**, 23(2), p. 161-174, illus. incl. 1 table, 44 ref., 2002.

**58001212**

**Wiktor, Józef** (Polska Akademia Nauk, Instytut Oceanologii, Sopot, Poland) and **Szymelfenig, Maria**.

Patchiness of sympagic algae and meiofauna from the fast ice of north open water (NOW) polynya: **Polish Polar Research**, 23(2), p. 175-184, illus. incl. 2 tables, sketch map, 38 ref., 2002.

**58001213**

**van Rooij, D.** (Universiteit Gent, Renard Centre of Marine Geology, Gent, Belgium); **Foubert, A.**; **Nys, M.**; **Blamart, D.**; **Kozachenko, M.** and **Henriet, J. P.**

A multi-disciplinary study of late-Caenozoic sedimentary processes on the eastern slope of the Porcupine Seabight, southwest of Ireland: *in Contributions to the geology of Belgium and Northwest Europe; proceedings of the First geologica belgica international meeting (Degryse, Patrick, editor; et al.), Aardkundige Mededelingen*, 12, p. 59-62, illus. incl. sketch map, 10 ref., 2002. *Meeting*: Sept. 11-15, 2002, Louvain, Belgium.

**58001214**

**Daigneault, M.** (Ecole des Mines, Spin Centre, St. Etienne, France); **Guy, B.**; **Bouchardon, J. L.** and **Ozouf, J. C.**

Multi-scale and interdisciplinary approach to quantify weathering/erosion in coastal cliff environments; Baie des Chaleurs area (Canada): *in Contributions to the geology of Belgium and Northwest Europe; proceedings of the First geologica belgica international meeting (Degryse, Patrick, editor; et al.), Aardkundige Mededelingen*, 12, p. 65, illus., 1 ref., 2002. *Meeting*: Sept. 11-15, 2002, Louvain, Belgium.

**58001215**

**Loutre, M. F. (Université Catholique de Louvain, Institut d'Astronomie et de Géophysique Georges Lemaître, Louvain-la-Neuve, Belgium); Crucifix, M.; Cortijo, E. and Sánchez Goñi, M. F.**

Possible causes of the global cooling trend during the Eemian: *in Contributions to the geology of Belgium and Northwest Europe; proceedings of the First geologica belgica international meeting (Degryse, Patrick, editor; et al.), Aardkundige Mededelingen*, 12, p. 133-135, illus., 6 ref., 2002. *Meeting*: Sept. 11-15, 2002, Louvain, Belgium.

**58001216**

**Pirson, S. (Service des Fouilles de la Région Wallonne, Liege, Belgium).**

New data on the chronostratigraphy of karstic sequences in Belgium; the role of prehistoric sites: *in Contributions to the geology of Belgium and Northwest Europe; proceedings of the First geologica belgica international meeting (Degryse, Patrick, editor; et al.), Aardkundige Mededelingen*, 12, p. 137-140, illus. incl. sketch map, 18 ref., 2002. *Meeting*: Sept. 11-15, 2002, Louvain, Belgium.

**58001217**

**Litt, Thomas (Universität Bonn, Institut für Paläontologie, Bonn, Federal Republic of Germany); Schmincke, Hans-Ulrich and Kromer, Bernd.**

Environmental response to climatic and volcanic events in Central Europe during the Weichselian lateglacial: *in Environmental response to climate and human impact in Central Europe during the last 15,000 years; a German contribution to PAGES-PEPIII (Litt, Thomas, editor), Quaternary Science Reviews*, 22(1), p. 7-32, illus. incl. block diag., strat. cols., 3 tables, geol. sketch maps, 64 ref., January 2003.

**58001218**

**Gerdes, G. (Marine Laboratory of the Institute of Chemistry and Biology of the Marine Environment, Wilhelmshaven, Federal Republic of Germany); Petzelberger, B. E. M.; Scholz-Böttcher, B. M. and Streif, H.**

The record of climatic change in the geological archives of shallow marine, coastal, and adjacent lowland areas of northern Germany: *in Environmental response to climate and human impact in Central Europe during the last 15,000 years; a German contribution to PAGES-PEPIII (Litt, Thomas, editor), Quaternary Science Reviews*, 22(1), p. 101-124, illus. incl. sect., 1 table, geol. sketch maps, 46 ref., January 2003. *diatoms, palynomorphs*

**58001219**

**Wooller, M. J. (University of Wales Swansea, Tropical Palaeoenvironments Research Group, Swansea, United Kingdom); Swain, D. L.; Ficken, K. J.; Agnew, A. D. Q.; Street-Perrott, F. A. and Eglinton, G.**

Late Quaternary vegetation changes around Lake Rutundu, Mount Kenya, East Africa; evidence from grass cuticles, pollen and stable carbon isotopes: **JQS. Journal of Quaternary Science**, 18(1), p. 3-15, illus. incl. 4 tables, strat. cols., sketch map, 68 ref., January 2003.

**58001220**

**Vélez, María Isabel (University of Edinburgh, Department of Geography, Edinburgh, United Kingdom); Hooghiemstra, Henry; Metcalfe, Sarah; Martínez, Ignacio and Mommersteeg, Herman.**

Pollen- and diatom based environmental history since the last glacial maximum from the Andean core Fúquene-7, Colombia: **JQS. Journal of Quaternary Science**, 18(1), p. 17-30, illus. incl. 2 tables, strat. col., sketch map, 53 ref., January 2003.

**58001221**

**García Ruiz, José M. (Consejo Superior de Investigaciones Científicas, Instituto Pirenaico de Ecología, Saragossa, Spain); Valero Garcés, Blas L.; Martí Bono, Carlos and González Sampériz, Penélope.**

Asynchronicity of maximum glacier advances in the central Spanish Pyrenees: **JQS. Journal of Quaternary Science**, 18(1), p. 61-72, illus. incl. 1 table, strat. cols., geol. sketch maps, 70 ref., January 2003.

**58001222**

**Kjaer, Kurt H. (Lund University, Department of Geology, Lund, Sweden); Demidov, Igor N.; Larsen, Eiliv; Murray, Andrew and Nielsen, Jan K.**

Mezen Bay; a key area for understanding Weichselian glaciations in northern Russia: **JQS. Journal of Quaternary Science**, 18(1), p. 73-93, illus. incl. 1 plate, 2 tables, sect., strat. col., 2 tables, geol. sketch maps, 77 ref., January 2003.

**58001223**

**Glasser, Neil F. (University of Wales Aberystwyth, Centre for Glaciology, Aberystwyth, United Kingdom); Hambrey, M. J.; Bennett, M. R.; Huddart, D.; Woodward, J.; Murray, T. and McCaig, A.**

Formation and reorientation of structure in the surge-type glacier Kongsvegen, Svalbard; discussion and reply: **JQS. Journal of Quaternary Science**, 18(1), p. 95-100, 17 ref., January 2003. For reference to original see Woodward, J., Murray, T., McCaig, A., *JQS J. Quat. Sci.*, Vol. 17, No. 3, p. 201-209.

**58001224**

**Bjorck, Svante (Lund University, Department of Geology, Lund, Sweden); Koc, Nalan and Skog, Goran.**

Consistently large marine reservoir ages in the Norwegian Sea during the last deglaciation: **Quaternary Science Reviews**, 22(5-7), p. 429-435, illus. incl. 2 tables, sketch map, 32 ref., March 2003.

**58001225**

**Briner, J. P. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO); Miller, Gifford H.; Davis, P. T.; Bierman, P. R. and Caffee, M.**

Last glacial maximum ice sheet dynamics in Arctic Canada inferred from young erratics perched on ancient tors: **Quaternary Science Reviews**, 22(5-7), p. 437-444, illus. incl. sect., 1 table, sketch map, 44 ref., March 2003.

**58001226**

**Maher, Barbara A. (Lancaster University, Department of Geography, Lancaster, United Kingdom); Hu, Meng Yu; Roberts, Helen M. and Wintle, Ann G.**

Holocene loess accumulation and soil development at the western edge of the Chinese Loess Plateau; implications for magnetic proxies of palaeorainfall: **Quaternary Science Reviews**, 22(5-7), p. 445-451, illus. incl. strat. col., sketch map, 23 ref., March 2003.

**58001227**

**Birks, Hilary H. (University of Bergen, Botanical Institute, Bergen, Norway).**

The importance of plant macrofossils in the reconstruction of lateglacial vegetation and climate; examples from Scotland, western Norway, and Minnesota, USA: **Quaternary Science Reviews**, 22(5-7), p. 453-473, illus. incl. sketch maps, 122 ref., March 2003.

**58001228**

**Walker, M. J. C. (University of Wales, Department of Archaeology, Wales, United Kingdom); Coope, G. R.; Sheldrick, C.; Turney, C. S. M.; Lowe, J. J.; Blockley, S. P. E. and Harkness, D. D.**

Devensian lateglacial environmental changes in Britain; a multi-proxy environmental record from Llanilid, South Wales, UK: **Quaternary Science Reviews**, 22(5-7), p. 475-520, illus. incl. 5 tables, sketch map, 95 ref., March 2003.

**58001229**

**Heikkila, Maija (University of Helsinki, Department of Geography, Helsinki, Finland) and Seppa, Heikki.**

A 11,000 yr palaeotemperature reconstruction from the southern boreal zone in Finland: **Quaternary Science Reviews**, 22(5-7), p. 541-554, illus. incl. 2 tables, sketch map, 64 ref., March 2003.

**58001230**

**Raab, Thomas (University of Regensburg, Department of Landscape Ecology and Soil Science, Regensburg, Federal Republic of Germany) and Völkel, Jörg.**

Late Pleistocene glaciation of the Kleiner Arbersee area in the Bavarian Forest, South Germany: **Quaternary Science Reviews**, 22(5-7), p. 581-593, illus. incl. sect., 1 table, sketch map, 39 ref., March 2003.

**58001231**

**Smith, L. Micaela (University of Colorado, Department of Geological Sciences, Boulder, CO); Miller, Gifford H.; Otto-Bliesner, Bette and Shin, Sang-Ik.**

Sensitivity of the Northern Hemisphere climate system to extreme changes in Holocene Arctic sea ice: **Quaternary Science Reviews**, 22(5-7), p. 645-658, illus. incl. 1 table, 38 ref., March 2003.

**58001232**

**Schmittner, A. (Max-Planck-Institut für Biogeochemie, Jena, Federal Republic of Germany); Saenko, O. A. and Weaver, A. J.**

Coupling of the hemispheres in observations and simulations of glacial climate change: **Quaternary Science Reviews**, 22(5-7), p. 659-671, illus. incl. 1 table, 45 ref., March 2003.

**58001233**

**Kremenetski, K. V. (Russian Academy of Sciences, Laboratory of Evolutionary Geography, Moscow, Russian Federation); Velichko, A. A.; Borisova, O. K.; MacDonald, G. M.; Smith, L. C.; Frey, K. E. and Orlova, L. A.**

Peatlands of the western Siberian lowlands; current knowledge on zonation, carbon content and late Quaternary history: **Quaternary Science Reviews**, 22(5-7), p. 703-723, illus. incl. 3 tables, sketch map, 100 ref., March 2003.

**58001234**

**Christl, Marcus (Heidelberg Academy of Sciences, Heidelberg, Federal Republic of Germany); Strobl, Christopher and Mangini, Augusto.**

Beryllium-10 in deep-sea sediments; a tracer for the Earth's magnetic field intensity during the last 200,000 years: **Quaternary Science Reviews**, 22(5-7), p. 725-739, illus. incl. 1 table, 61 ref., March 2003.

**58001235**

**Siegert, Martin J. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom).**

Glacial-interglacial variations in central East Antarctic ice accumulation rates: **Quaternary Science Reviews**, 22(5-7), p. 741-750, illus. incl. 1 table, sketch map, 18 ref., March 2003.

**58001236**

**Wenzens, Gerd (University of Dusseldorf, Department of Geography, Dusseldorf, Federal Republic of Germany).**

The last glacial maximum and deglaciation in southern South America; discussion: **Quaternary Science Reviews**, 22(5-7), p. 751-754, illus. incl. geol. sketch map, 13 ref., March 2003. For reference to original see Hulton, N. R. J., Sugden, D. E., and Purves, R. S., Quat. Sci. Rev., Vol. 21, p. 233-241, 2002.

**58001237**

**Hulton, Nicholas R. J. (University of Edinburgh, Department of Geography, Edinburgh, United Kingdom); Sugden, D. E. and Purves, R. S.**

The last glacial maximum and deglaciation in southern South America; reply: **Quaternary Science Reviews**, 22(5-7), p. 755-757, 7 ref., March 2003. For reference to original see Hulton, N. R. J., Sugden, D. E., and Purves, R. S., Quat. Sci. Rev., Vol. 21, p. 233-241, 2002; for reference to discussion see Wenzens, G., Quat. Sci. Rev., Vol. 22, p. 751-754, 2003.

**58001238**

**Lewin, John (University of Wales, Institute of Geography and Earth Sciences, Aberystwyth) and Macklin, Mark G.**

Preservation potential for late Quaternary river alluvium: **JQS. Journal of Quaternary Science**, 18(2), p. 107-120, illus. incl. sect., 1 table, geol. sketch maps, 57 ref., February 2003.

**58001239**

**Whittington, Graeme (University of Saint Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom); Buckland, Paul; Edwards, Kevin J.; Greenwood, Malcolm; Hall, Adrian M. and Robinson, Marie.**

Multiproxy Devensian late-glacial and Holocene environmental records at an Atlantic coastal site in Shetland: **JQS. Journal of Quaternary Science**, 18(2), p. 151-168, illus. incl. strat. col., 5 tables, sketch map, 92 ref., February 2003. *diatoms, palynomorphs*

**58001240**

**Bingham, Robert G. (University of Glasgow, Department of Geography and Topographic Science, Glasgow, United Kingdom); Hulton, Nicholas R. J. and Dugmore, Andrew J.**

Modelling the southern extent of the last Icelandic ice-sheet: **JQS. Journal of Quaternary Science**, 18(2), p. 169-181, illus. incl. geol. sketch maps, 65 ref., February 2003.

**58001241**

**Helmk, Jan P. (GEOMAR Research Center for Marine Geosciences, Kiel, Federal Republic of Germany); Bauch, Henning A. and Mazaud, Alain.**

Evidence for a mid-Pleistocene shift of ice-drift pattern in the Nordic seas: **JQS. Journal of Quaternary Science**, 18(2), p. 183-191, illus. incl. sketch map, 54 ref., February 2003.

**58001242**

**Kariya, Yoshihiko (Chiba University, Chiba, Japan); Sasaki, Akihiko; Yoshimura, Akihiko and Kuroda, Shinjiro.**

Holocene landscape development of snowpatch hollows in central Japan and its paleoclimatic implications [abstr.]: *in Abstracts of the Japan-China joint international geomorphological conference, Chikei = Transactions - Japanese Geomorphological Union*, 24(1), p. 114-115, January 1, 2003. *Meeting*: Nov. 17-23, 2002, Kunming, China.

**58001243**

**Yoshimura, Akihiko (Chiba University, Chiba, Japan) and Kariya, Yoshihiko.**

Holocene expansion of snowpatch rubble slopes and pronival channels around a perennial snowbank on Chokai Volcano, northern Honshu, Japan [abstr.]: *in Abstracts of the Japan-China joint international geomorphological conference, Chikei = Transactions - Japanese Geomorphological Union*, 24(1), p. 115-116, January 1, 2003. *Meeting*: Nov. 17-23, 2002, Kunming, China.

**58001244**

**Buatois, Luis A. (Instituto Superior de Correlación Geológica, San Miguel de Tucuman, Argentina) and Mángano, M. Gabriela.**

Caracterización icnológica y paleoambiental de la localidad tipo de *Orchesteropus atavus* Frenguelli, Huerta de Huachi, provincia de San Juan, Argentina [Ichnologic and paleoenvironmental characterization of the *Orchesteropus atavus* Frenguelli type locality, Huerta de Huachi, San Juan Province, Argentina]: *Ameghiniana*, 40(1), p. 53-70 (English sum.), illus. incl. strat. col., 3 plates, geol. sketch map, 99 ref., 2003.

**58001245**

**Eto, Toshihiko (Nagaoka University of Technology, Graduate School, Niigata, Japan) and Fukushima, Yusuke.**

Proposal for a numerical simulation model of powder snow avalanches using the K-E turbulence model: *Seppyo = Journal of the Japanese Society of Snow and Ice*, 65(1), p. 3-14, (Japanese) (English sum.), illus., 32 ref., January 2003.

**58001246**

**Hirochi, Takero (Toba National College of Maritime Technology, Toba, Japan); Shirakashi, Masataka; Yamada, Shuichi; Yoshida, Kaki and Okada, Jun-ichi.**

Performance test of pilot plant of a new district heating and cooling system utilizing ice/water slurry flow: *Seppyo = Journal of the Japanese Society of Snow and Ice*, 65(1), p. 15-27, (Japanese) (English sum.), illus., 13 ref., January 2003.

**58001247**

**Kagawa, Kiichiro (Fukui University, Department of Physics, Fukui, Japan); Ito, Fumio; Sawa, Daisuke; Sasaki, Kyousuke and Hattori, Hiroshi.**

Production of artificial snow crystals using charged hair of dandelion: *Seppyo = Journal of the Japanese Society of Snow and Ice*, 65(1), p. 29-32, (Japanese) (English sum.), illus., 7 ref., January 2003.

**58001248**

**Zhang, Yinsheng (Frontier Observational Research System for Global Change, Yokohama, Japan) and Ohata, Tetsuo.**

Parameterization of albedo on snow/ice surface; a review: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(1), p. 33-51, illus. incl. 1 table, 51 ref., January 2003.

**58001249**

**Widmann, Beth L. (Colorado Geological Survey) and Rogers, William P.**

Geologic hazards of the Georgetown, Idaho Springs, and Squaw Pass quadrangles, Clear Creek County, Colorado: **Colorado Geological Survey Open-File Report**, Rep. No. 03-02, 1 disc, 2003. compact disc.

**58001250**

**Takahashi, Nobuyuki (Hokkai-Gakuen University, Faculty of Engineering, Sapporo, Japan) and Hasegawa, Hirohiko.**

Forest line altitude and periglacial environment on the Jounen-nokkoshi Pass, the northern Japanese Alps, estimated from air temperature observation data: **Chirigaku Hyouron = Geographical Review of Japan**, 76(3), p. 161-171, (Japanese) (English sum.), illus. incl. 4 tables, 22 ref., March 2003.

**58001251**

**Ward, B. C. (Simon Fraser University, Department of Earth Sciences, Burnaby, BC, Canada); Wilson, M. C.; Nagorsen, D. W.; Nelson, D. E.; Driver, J. C. and Wigen, R. J.**

Port Eliza Cave; North American West Coast interstadial environment and implications for human migrations: **Quaternary Science Reviews**, 22(14), p. 1383-1388, 2 tables, sect., strat. col., sketch map, 29 ref., June 2003.

**58001252**

**Plummer, Mitchell A. (Idaho National Engineering and Environmental Laboratory, Idaho Falls, ID) and Phillips, Fred M.**

A 2-D numerical model of snow/ice energy balance and ice flow for paleoclimatic interpretation of glacial geomorphic features: **Quaternary Science Reviews**, 22(14), p. 1389-1406, illus. incl. geol. sketch maps, 39 ref., June 2003.

**58001253**

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

Identification of basal layer debris in ice-marginal moraines, Russell Glacier, West Greenland: **Quaternary Science Reviews**, 22(14), p. 1407-1414, illus. incl. geol. sketch map, 27 ref., June 2003.

**58001254**

**Carr, S. J. (Oxford Brookes University, Department of Geography, Oxford, United Kingdom) and Rose, J.**

Till fabric patterns and significance; particle response to subglacial stress: **Quaternary Science Reviews**, 22(14), p. 1415-1426, illus. incl. 3 tables, sect., sketch map, 55 ref., June 2003.

**58001255**

Schomacker, Anders (University of Copenhagen, Institute of Geography, Copenhagen, Denmark); Kruger, Johannes and Larsen, Gudrun.

An extensive late Holocene glacier advance of Kotlujokull, central South Iceland: **Quaternary Science Reviews**, 22(14), p. 1427-1434, illus. incl. 1 table, geol. sketch maps, 42 ref., June 2003.

**58001256**

Preusser, Frank (Universität Bern, Institut für Geologie, Bern, Switzerland); Geyh, Mebus A. and Schlüchter, Christian.

Timing of late Pleistocene climate change in lowland Switzerland: **Quaternary Science Reviews**, 22(14), p. 1435-1445, illus. incl. 5 tables, strat. cols., sketch map, 62 ref., June 2003.

**58001257**

Vandergoes, Marcus J. (University of Plymouth, Department of Geographical Sciences, Plymouth, United Kingdom) and Fitzsimons, Sean J.

The last glacial-interglacial transition (LGIT) in South Westland, New Zealand; paleoecological insight into mid-latitude Southern Hemisphere climate change: **Quaternary Science Reviews**, 22(14), p. 1461-1476, illus. incl. 2 tables, strat. cols., geol. sketch map, 40 ref., June 2003.

**58001258**

Ohkushi, Ken'ichi (Ibaraki University, Faculty of Education, Mito, Japan); Itaki, Takuya and Nemoto, Naoki.

Last glacial-Holocene change in intermediate-water ventilation in the northwestern Pacific: **Quaternary Science Reviews**, 22(14), p. 1477-1484, illus. incl. sketch maps, 34 ref., June 2003.

*Foraminifera, Radiolaria*

**58001259**

Premathilake, Rathnasiri (University of Kelaniya, Postgraduate Institute of Archaeology, Colombo, Sri Lanka) and Risberg, Jan.

Late Quaternary climate history of the Horton Plains, central Sri Lanka: **Quaternary Science Reviews**, 22(14), p. 1525-1541, illus. incl. 2 tables, strat. col., sketch map, 80 ref., June 2003. *diatoms, palynomorphs*

**58001260**

Shennan, Ian (University of Durham, Environmental Research Centre, Durham, United Kingdom) and Milne, Glenn.

Sea-level observations around the last glacial maximum from the Bonaparte Gulf, NW Australia: **Quaternary Science Reviews**, 22(14), p. 1543-1547, illus., 10 ref., June 2003.

**58001261**

Yokoyama, Yusuke (University of Tokyo, Department of Earth and Planetary Science, Tokyo, Japan); De Deckker, Patrick and Lambeck, Kurt.

Sea-level observations around the Last Glacial Maximum from the Bonaparte Gulf, NW Australia; reply: **Quaternary Science Reviews**, 22(14), p. 1549-1550, 10 ref., June 2003. For reference to original see Shennan, I., and G. Milne, Quat. Sci. Rev., Vol. 22, No. 14, p. 1543-1547, 2003.

**58001262**

**Hall, A. M. (Fettes College, Edinburgh, United Kingdom); Peacock, J. D.; Connell, E. R.; Bowen, D. Q. and McCabe, A. M.**

New data for the last glacial maximum in Great Britain and Ireland; discussion: **Quaternary Science Reviews**, 22(14), p. 1551-1554, sketch map, 46 ref., June 2003. For reference to original see Bowen, D. Q., et. al., *Quat. Sci. Rev.*, Vol. 21, No. 1-3, p. 89-102, 2002.

**58001263**

**Bowen, D. Q. (University of Cardiff, Department of Earth Sciences, Cardiff, United Kingdom) and McCabe, A. M.**

New data for the last glacial maximum in Great Britain and Ireland; reply: **Quaternary Science Reviews**, 22(14), p. 1555-1556, 21 ref., June 2003. For reference to original see Bowen, D. Q., et. al., *Quat. Sci. Rev.*, Vol. 21, No. 1-3, p. 89-102, 2002; for reference to discussion see Hall, A. M., Peacock, J. D., and Connell, E. R.; *Quat. Sci. Rev.*, Vol. 22, No. 14, p. 1551-1554, 2003.

**58001264**

**Adams, Carletta.**

Snow removal apparatus: Rep. No. US D450,715, unpaginated, 9 ref., November 20, 2001. Available from: U. S. Patent Office, Washington, DC, United States. Patent No. D450,715; Application No. 123326 filed May 16, 2000.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/net/ahtml/srchnum.htm&r=1&f=G&l=50&s1=D450715.WKU.&OS=PN/D450715&RS=PN/D450715>

**58001265**

**Huang Yaorong (National Research Center for Marine Forecasts, Beijing, China); Xue Zhenhe and Xu Cong.**

A study on snowstorm weather in coastal area of western Antarctic: **Marine Science Bulletin**, 5(1), p. 24-31, illus. incl. 3 tables, sketch maps, 7 ref., 2003.

**58001266**

**Fukunishi, Hiroshi (Tohoku University, Department of Geophysics, Tohoku, Japan); Akasofu, Shun-Ichi and Fukuda, Masami, editors.**

Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research: **Tohoku Geophysical Journal**, 36(4), p. 357-554, illus. incl. tables, sketch maps, May 2003. Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK. Individual extended abstracts within scope are cited separately.

**58001267**

**Kodama, Yuji (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan).**

Hydrology in Lena River basin; preliminary results of GAME-Siberia Project [abstr.]: in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), **Tohoku Geophysical Journal**, 36(4), p. 359-368, illus. incl. 1 table, sketch map, 4 ref., May 2003. Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001268**

**Hinzman, Larry D. (University of Alaska Fairbanks, Water and Environmental Research Center, Fairbanks, AK); Kane, Douglas L. and Yoshikawa, Kenji.**

Soil moisture response to a changing climate in Arctic regions [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 369-373, illus., 4 ref., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001269**

**Matsuura, Yojiro (Forestry and Forest Products Research Institute, Soil Resources Evaluation Laboratory, Ibaraki, Japan).**

Soil characteristics of forest ecosystems in circumpolar region [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 374-379, illus., 17 ref., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001270**

**Chapin, F. Stuart, III (University of Alaska, Institute of Arctic Biology, Fairbanks, AK).**

Land-atmosphere-ice interactions (LAI); an interdisciplinary study of changes in the terrestrial climate system [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 380-381, May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001271**

**Tanaka, Hiroshi (University of Alaska Fairbanks, Frontier Research System for Global Change International Arctic Research Center, Fairbanks, AK).**

Numerical simulation of the Arctic Oscillation using a barotropic general circulation model [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 382-396, illus. incl. 2 tables, sketch map, 21 ref., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001272**

**Tilley, Jeffrey S. (University of Alaska Fairbanks, Geophysical Institute, Fairbanks, AK); Walsh, John E.; Bhatt, Uma S.; Mölders, Nicole and Vavrus, Steven A.**

Arctic atmospheric and system modeling; a survey of IARC-related activities [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 397-409, illus. incl. 1 table, sketch maps, 4 ref., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001273**

**Hori, Masahiro (National Space Development Agency of Japan, Tokyo, Japan); Aoki, Teruo; Ishimoto, Hiroshi; Tanikawa, Tomonori; Naoki, Kazuhiro; Matsuoka, Kenichi; Ogura, Yasuko; Hachikubo, Akihiro; Storvold, Rune; Eide, Hans; Stamnes, Knut; Chen, Bingquan and Li, Wei.**

Validation of satellite derived snow physical parameters at Saroma Lagoon, Japan [abstr.]: *in Connection to the Arctic 2002 (GCCA3)*; collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; *et al.*), **Tohoku Geophysical Journal**, 36(4), p. 410-415, illus. incl. sketch maps, 5 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001274**

**Stamnes, Knut (Stevens Institute of Technology, Department of Physics and Engineering Physics, Hoboken, NJ); Li, Wei; Eide, Hans and Storvold, Rune.**

Retrieval of marine parameters in coastal waters from satellite data [abstr.]: *in Connection to the Arctic 2002 (GCCA3)*; collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; *et al.*), **Tohoku Geophysical Journal**, 36(4), p. 416-421, 34 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001275**

**Muskett, Reginald R. (University of Alaska Fairbanks, International Arctic Research Center, Fairbanks, AK); Lingle, Craig S.; Tangborn, Wendell V. and Rabus, Bernhard T.**

Multi-decadal elevation changes on Bagley ice valley and Malaspina Glacier, south-central Alaska [abstr.]: *in Connection to the Arctic 2002 (GCCA3)*; collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; *et al.*), **Tohoku Geophysical Journal**, 36(4), p. 422-424, 17 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001276**

**Muskett, Reginald R. (University of Alaska Fairbanks, International Arctic Research Center, Fairbanks, AK).**

JERS-1 SAR L-band sigma naught signatures of glacier facies on Bagley ice valley, Alaska, from 1992 to 1998 [abstr.]: *in Connection to the Arctic 2002 (GCCA3)*; collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; *et al.*), **Tohoku Geophysical Journal**, 36(4), p. 425-430, illus. incl. sketch map, 26 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001277**

**Shin, Kyung-Hoon (University of Alaska Fairbanks, Frontier Observational Research System for Global Change/International Arctic Research Center, Fairbanks, AK); Tanaka, Noriyuki; Tanaka, Tomoyuki and Whitledge, Terry.**

A time series observation of coastal fast ice in Barrow; ice algae production processes [abstr.]: *in Connection to the Arctic 2002 (GCCA3)*; collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; *et al.*), **Tohoku Geophysical Journal**, 36(4), p. 431-433, illus., 7 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001278**

**Guéguen, Céline (University of Alaska at Fairbanks, International Arctic Research Center, Fairbanks, AK); Wang, Deli and Guo, Laodong.**

Optical properties of natural organic matter in the Yukon River basin [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 434-438, illus. incl. 1 table, 9 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001279**

**Uzuka, Naoaki (Frontier Observational Research System for Global Change/International Arctic Research Center, Fairbanks, AK).**

A time series observation of DMSP production in the fast ice zone near Barrow [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 439-442, illus., 12 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001280**

**Enomoto, Hiroyuki (Frontier Observational Research System for Global Change, Yokohama, Japan); Tateyama, Kazutaka; Nakayama, Masashige and Kimura, Noriaki.**

Introductions of new satellite observation techniques for sea ice growth and transport in the Arctic [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 443-447, illus., 5 ref., May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001281**

**Brouchkov, A. (Hokkaido University, Research Center for North Eurasia and North Pacific Regions, Japan) and Fukuda, Masami.**

Methane and carbon dioxide in permafrost of Lena River valley, eastern Siberia [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 448-451, illus. incl. 1 table, May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001282**

**Brouchkov, A. (Hokkaido University, Japan); Fukuda, Masami; Tomita, F.; Asano, K. and Tanaka, M.**

Microbiology and gas emission at low temperatures; some field and experimental results [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 452-455, illus. incl. 1 table, May 2003. *Meeting*: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001283**

**Fukuda, Masami (Hokkaido University, Research Center for North Eurasia and North Pacific Regions, Japan) and Brouchkov, A.**

Thermal conductivity of soils over boreal larch forest and disturbed sites near Yakutsk, Siberia [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal, 36(4), p. 456-459, illus., May 2003. Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001284**

**Fukuda, Masami (Hokkaido University, Institute of Low Temperature Science, Japan); Kudoh, J. and Kobayashi, K.**

Forest fire occurrence detected by NOAA near Yakutsk, eastern Siberia [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal, 36(4), p. 460-461, illus., May 2003. Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001285**

**Hayasaka, Hiroshi (Hokkaido University, Graduate School of Engineering, Sapporo, Japan).**

High ignition probabilities of lightning caused forest fire in Alaska [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal, 36(4), p. 462-465, illus. incl. sketch map, May 2003. Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001286**

**Urano, Shin-Ichi (Hokkaido University, Graduate School of Agriculture, Sapporo, Japan); Okada, K.; Yabe, K.; Kawauchi, K.; Takahashi, N.; Nakai, T.; Yazaki, T.; Hirano, T.; Ishikawa, N. and Hinzman, Larry D.**

Runoff characteristics of north and south-facing slopes in the Caribou-Poker Creek research watershed, interior Alaska [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal, 36(4), p. 466-470, illus., 1 ref., May 2003. Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001287**

**Osawa, Akira (Ryukoku University, Faculty of Intercultural Communication, Ohtsu, Japan); Abaimov, Anatoly P.; Matsuura, Y.; Kajimoto, Takuya and Zyranova, O. A.**

Anomalous patterns of stand development in larch forests of Siberia [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal, 36(4), p. 471-474, illus., 7 ref., May 2003. Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001288**

**Takao, G. (FFPRI, Hokkaido Research Center, Sapporo, Japan); Kushida, Keiji; Maximov, T. C. and Fedorov, A. N.**

Larch stand regeneration and its estimation with satellite images in central Yakutia, Russia [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 475-478, illus., 7 ref., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001289**

**Kajimoto, Takuya (Forestry and Forest Products Research Institute, Tohoku Research Center, Morioka, Japan); Matsuura, Yojiro; Osawa, Akira; Abaimov, Anatoly P.; Prokushkin, Stanislav G.; Zyryanova, Olga A.; Sofronov, Mark A.; Volokitina, Alexandra V.; Mori, Shigeta and Koike, Takayoshi.**

Interactions between root system development and permafrost soil environments on Siberian larch forests [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 479-483, illus., 13 ref., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001290**

**Kushida, Keiji (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Kim, Yongwon; Shibuya, Masato; Kojima, Satoru; Tsuda, Satoshi and Fukuda, Masami.**

Remote sensing on carbon budget in Alaska based on component spectral measurement [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 484-485, May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001291**

**Endoh, T. (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Takahashi, T.; Noguchi, I.; Koga, S.; Kurita, N.; Tanaka, N. and Wada, M.**

Polar night investigation of chemical components in fresh snow particles and aerosol/gas in the atmosphere at Ny-Alesund (on abilities of  $\text{NO}_3^-$  in solid precipitation participating in long range transport [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 486-492, illus., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001292**

**Matsumi, Yutaka (Nagoya University, Solar-Terrestrial Environment Laboratory and Graduate School of Science, Japan); Taniguchi, Nori; Takahashi, Kenshi; Nakayama, Tomoki; Hayashida, Sachiko and Simpson, William R.**

Atmospheric chemistry of ozone photolysis at high latitudes; laboratory and modeling studies [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 494-497, illus., 7 ref., May 2003. *Meeting:* Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.

**58001293**

**Murata, Isao (Tohoku University, Department of Geophysics, Sendai, Japan); Kobayaihi, Nobutaka; Nakane, Hideaki and Fukunishi, Hiroshi.**

The effect of the Arctic ozone depletion observed at Tsukuba, Japan in February 2001 [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 498-500, illus., 3 ref., May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001294**

**Kato, Shungo (Japan Science and Technology Corporation, Japan); Matsumi, Yutaka and Kajii, Yoshizumi.**

Continuous measurement of atmospheric pollutants at Moshiri, northern Japan; influence of anthropogenic activity and Siberian forest fire [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 501-504, illus., 3 ref., May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001295**

**Sato, Naoki (University of Tokyo, Center for Climate System Research, Tokyo, Japan) and Takahashi, Masaaki.**

Properties of the Okhotsk High as a dynamical mode in Northeast Asia in midsummer [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 505-509, illus. incl. sketch maps, May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001296**

**Yamazaki, Koji (FRSGC, International Arctic Research Center, Japan); Ogasawara, Atsushi; Nakazawa, Rui and Mukougawa, Hitoshi.**

The role of large-scale topography in the Northern Hemisphere annular mode [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 510-513, illus., 5 ref., May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001297**

**Kataoka, Ryuho (Tohoku University, Department of Geophysics, Tohoku, Japan) and Fukunishi, Hiroshi.**

Prediction of solar wind power supply into the dayside ionosphere [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 519-522, illus., 2 ref., May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001298**

**White, Daniel M. (University of Alaska at Fairbanks, Water and Environmental Research Center, Fairbanks, AK); Garland, D. Sarah; Ping, Chien-Lu and Michaelson, Gary.**

Progress toward remote sensing of soil organic matter quality [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 539-543, illus. incl. 1 table, 5 ref., May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001299**

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

Distribution of soil respiration rate along a latitudinal Alaskan transect [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 544-549, illus. incl. 1 table, sketch map, 10 ref., May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001300**

**Hibler, William D., III (University of Alaska at Fairbanks, International Arctic Research Center, Fairbanks, AK) and Hutchings, Jennifer K.**

Multiple equilibrium sea ice states induced by ice mechanics [abstr.]: *in Connection to the Arctic 2002 (GCCA3); collaboration with IARC, Integration of Arctic Climate Research (Fukunishi, Hiroshi, editor; et al.), Tohoku Geophysical Journal*, 36(4), p. 550-554, illus., 6 ref., May 2003. *Meeting: Third international workshop on Global change, Nov. 4-5, 2002, Fairbanks, AK.*

**58001301**

**Rivaro, Paola (Universita di Genova, Dipartimento di Chimica e Chimica Industriale, Genoa, Italy) and Frache, Roberto.**

Studies of water masses mixing in the Ross Sea (Antarctica) using chemical tracers: *in Chemistry of marine water and sediments (Gianguzza, Antonio, editor; et al.), in the collection Environmental Science (Allan, R., editor; Forstner, U., editor; Salomons, W., editor)*. Springer-Verlag, Berlin, Federal Republic of Germany, p. 445-454, illus. incl. sketch map, 20 ref., 2002. *Meeting: Third international school on Marine chemistry, Sept. 2000, Ustica, Italy.*

**58001302**

**Gadek, Bogdan (Uniwersytet Slaski, Sosnowiec, Poland) and Kotyrba, Andrzej.**

Kopalny lód lodowcowy w Tatrach? [Ancient ice in the Tatra Mountains?]: **Przeglad Geologiczny**, 51(7), p. 571, illus., 7 ref., 2003.

**58001303**

**Etlicher, B. (Univ. Saint-Etienne, Saint-Etienne, France).**

Paléo-environnements en Forez et Velay-Vivarais [The paleoenvironments of Forez and Velay-Vivarais]: **Cahiers du Quaternaire**, 16, p. 101-113 (English sum.), illus., 9 ref., 1989.

**58001304**

**Bielefeldt, A. R. (University of Colorado, Department of Civil and Environmental Engineering, Boulder, CO); Grant, M.; Butler, T. and Illangasekare, T. H.**

Biodegradation of airplane de-icing fluids under simulated aquifer conditions: *in* Groundwater 2000; Proceedings of the International conference on groundwater research (Bjerg, Poul L., editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 231-232, 2000. *Meeting:* June 6-8, 2000, Copenhagen, Denmark.

**58001305**

**Gustafsson, Juhani (Finnish Environmental Institute, Helsinki, Finland) and Nysten, Taina.**

Trends of chloride concentration in groundwater and results of risk assessment of road salting in Finland: *in* Groundwater 2000; Proceedings of the International conference on groundwater research (Bjerg, Poul L., editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 249-251, 3 ref., 2000. *Meeting:* June 6-8, 2000, Copenhagen, Denmark.

**58001306**

**Motuzova, G. V. (Moscow State University, Faculty of Soil Science, Moscow, Russian Federation); Zorina, A. V. and Karpova, E. A.**

The species of heavy metals in water of natural and technogenic soils of Kola Peninsula (Russia): *in* Groundwater 2000; Proceedings of the International conference on groundwater research (Bjerg, Poul L., editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 273-274, illus. incl. 1 table, 3 ref., 2000. *Meeting:* June 6-8, 2000, Copenhagen, Denmark.

**58001307**

**Alfnes, E. (University of Oslo, Institute of Geology, Oslo, Norway); Aagaard, Per and Kinzelbach, Wolfgang.**

Flow, transport and biodegradation of jet fuel contaminated water in the unsaturated zone; Part 2, Simulation of field experiments: *in* Groundwater 2000; Proceedings of the International conference on groundwater research (Bjerg, Poul L., editor; *et al.*), A. A. Balkema, Rotterdam, Netherlands, p. 323-324, 5 ref., 2000. *Meeting:* June 6-8, 2000, Copenhagen, Denmark.

**58001308**

**Kaneto, Susumu (Japan Meteorological Agency, Tokyo, Japan) and Yamanouchi, Takashi.**  
Activities of the wintering party at Dome Fuji Station by the 38th Japanese Antarctic Research Expedition, 1997-1998: **Nankyoku Shiryo = Antarctic Record**, 43(3), p. 459-476, (Japanese) (English sum.), November 1999.

**58001309**

**Barry, Roger G. (University of Colorado, National Snow and Ice Data Center, Boulder, CO); Fuchs, Tobias and Rudolf, Bruno, editors.**

Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC): **WCRP Publications Series**, 98, 126 p., illus. incl. tables, sketch maps, February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany. Includes 3 appendices; individual papers within scope are cited separately.

**58001310**

**Lettenmaier, Dennis P. (University of Washington, Department of Civil Engineering, Seattle, WA).**

ACSYS overview, and scientific steering group perspective on the Arctic precipitation data archive: *in Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC)* (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 3-9, illus. incl. sketch map, 6 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001311**

**Gruber, Arnold, compiler.**

GPCP interest in analysis of snowfall and snowdepth: *in Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC)* (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 14-16, February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany. Extracts from the WCRP Informal Report No. 6/1996 "International workshop on Research issues in the identification and partitioning of precipitation type and rates in global data sets", Washington, D.C. Dec. 6-8, 1995.

**58001312**

**Walsh, John E. (University of Illinois, Department of Atmospheric Sciences, Urbana, IL) and Kattsov, Vladimir.**

Data requirements for validation of climate model simulations and reanalyses of Arctic precipitation: *in Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC)* (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 19-25, illus., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001313**

**Harder, Markus (Alfred-Wegener-Institut (AWI) für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany).**

Role of precipitation in numerical simulations of Arctic sea ice and related freshwater balances: *in Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC)* (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 26-30, illus. incl. 1 table, 11 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001314**

**Arpe, Klaus (Max-Planck-Institute for Meteorology, Hamburg, Federal Republic of Germany); Behr, Helga and Dümenil, Lydia.**

Validation of the ECHAM4 climate model and re-analyses data in the Arctic region: *in Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC)* (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 31-40, illus., 8 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001315**

**Grabs, Wolfgang (Federal Institute of Hydrology, Global Runoff Data Centre, Koblenz, Federal Republic of Germany) and Hils, Michael.**

The Arctic runoff database (ARDB): *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 41-46, illus. incl. 2 tables, 6 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001316**

**Hogg, W. D. (Environment Canada, Climate Research Branch, Downsview, ON, Canada); Louie, P. Y. T.; Niitsoo, A.; Milewska, E. and Routledge, B.**

Gridded water balance climatology for the Canadian Mackenzie Basin GEWEX study area: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 47-50, illus. incl. sketch map, 3 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001317**

**Radionov, Vladimir (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation).**

Parameters of snow cover at drifting stations: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 58-64, illus. incl. 5 tables, February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001318**

**Goodison, B. E. (Environment Canada, Climate Research Branch, Downsview, ON, Canada) and Louie, P. Y. T.**

The WMO solid precipitation measurement intercomparison: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 65-70, illus. incl. 2 tables, 6 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001319**

**Sevruk, Boris (Swiss Federal Institute of Technology, Department of Geography, Zurich, Switzerland).**

Different methods of the assessment of the wind-induced error of precipitation measurement and network aspects in the mountains: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 71-73, 6 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001320**

**Golubev, Valentin S. (State Hydrological Institute, St. Petersburg, Russian Federation); Bogdanova, E. G. and Simonenko, A. Yu.**

The effect of blizzards on the precipitation gauge readings and proposals on the experimental check of the correction method of precipitation data in arctic region: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 74-79, illus. incl. 3 tables, 2 ref., February 1997. (WMO/TD N0. 804). *Meeting*: July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001321**

**Groisman, Pavel Ya. (University of Massachusetts, Department of Geo-Sciences, Amherst, MA); Easterling, David R.; Quayle, Robert G.; Golubev, Valentin S. and Peck, Eugene L.** Adjustment methodology for the U.S. precipitation data: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 80-83, 33 ref., February 1997. (WMO/TD N0. 804). *Meeting*: July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001322**

**Buchhold, Michael (Deutscher Wetterdienst, Research Department/Data Assimilation, Main, Federal Republic of Germany).**

The operational global snow depth analysis at DWD: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 84-87, illus. incl. sketch map, 2 ref., February 1997. (WMO/TD N0. 804). *Meeting*: July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001323**

**Vuglinsky, V. (State Hydrological Institute, St. Petersburg, Russian Federation).**

On the composition of data base from the results of snow pack and solid precipitation measurements in the Arctic regions of Russia: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 88-93, illus. incl. 3 tables, 2 ref., February 1997. (WMO/TD N0. 804). *Meeting*: July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001324**

**Fuchs, Tobias (Deutscher Wetterdienst, Global Precipitation Climatology Centre, Main, Federal Republic of Germany).**

Overview of precipitation data sets for the Arctic region: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 94-96, 6 ref., February 1997. (WMO/TD N0. 804). *Meeting*: July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001325**

**Barry, Roger G. (University of Colorado-Boulder, National Snow and Ice Data Center, Boulder, CO).**

Arctic-related data sets at NSIDC/WDC-A for glaciology: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 97-103, illus. incl. sketch maps, 7 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001326**

**Fuchs, Tobias (Global Precipitation Climatology Centre, Deutscher Wetterdienst, Main, Federal Republic of Germany).**

Use of SYNOP-data from GTS-stations for APDA: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 104-109, illus. incl. 1 table, 5 ref., February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001327**

**Razuvaev, Vyacheslav N. (All-Russian Research Institute of Hydrometeorological Information-World Data Center, Obninsk, Russian Federation).**

National Russian precipitation data bank and its connection with ACSYS: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 110-115, illus. incl. sketch maps, February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001328**

**Louie, P. Y. T. (Environment Canada, Climate Research Branch, Downsview, ON, Canada).**

Snow data of Canada: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 116-119, illus. incl. 2 tables, sketch maps, February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001329**

**Ohmura, Atsumu (ETH Zurich, Geographisches Institut, Zurich, Switzerland).**

Data source for precipitation climate of Greenland: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 120-121, illus. incl. sketch map, February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001330**

**Groisman, Pavel Ya. (University of Massachusetts at Amherst, Department of Geosciences, Amherst, MA).**

Alaskan precipitation observations: *in* Proceedings of the workshop on the Implementation of the Arctic precipitation data archive (APDA) at the Global Precipitation Climatology Centre (GPCC) (Barry, Roger G., editor; *et al.*), **WCRP Publications Series**, 98, p. 125-126, February 1997. (WMO/TD N0. 804). *Meeting:* July 10-12, 1996, Offenbach, Federal Republic of Germany.

**58001331**

**Dethloff, Klaus (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany); Rinke, A.; Hebestadt, I.; Christensen, J. H.; Botzet, M. and Machenhauer, B.**

High resolution climate simulations over the Arctic and its sensitivity to physical parameterizations: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 31-34, illus. incl. sketch maps, 2 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001332**

**Uchino, Osamu (Japan Meteorological Agency, Ozone Layer Monitoring Office, Tokyo, Japan); Kajihara, Ryoichi; Fukuda, Masato; Nakagawa, Masayuki; Hayashi, Motoo and Sugita, Okimasa.**

Observations of the solar ultraviolet irradiance in Japan and Antarctic Syowa Station: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 561-564, illus. incl. 1 table, 4 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001333**

**Russell, Ian G. (Imperial College of Science, Technology and Medicine, Space and Atmospheric Physics, London, United Kingdom) and Haigh, Joanna D.**

Antarctic polar response to a prescribed ozone depletion: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 47-50, illus., 10 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001334**

**Waugh, Darryn W. (Monash University, CRC SHM, Clayton, Victoria, Australia) and Randel, William R.**

Climatology of Arctic and Antarctic polar vortices using elliptical diagnostics: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 99-102, illus., 5 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001335**

**Hofmann, Dave J. (NOAA, Climate Monitoring and Diagnostics Laboratory, Boulder, CO).**

A new look at the Antarctic ozone hole, its beginning and its end: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 165-168, illus., 5 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001336**

**Randel, William J. (National Center for Atmospheric Research, Boulder, CO).**

Cooling of the Antarctic stratosphere associated with the ozone hole: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 251-254, illus., 6 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001337**

**Uchino, Osamu (Japan Meteorological Agency, Ozone Layer Monitoring Office, Tokyo, Japan); Kajihara, Ryoichi; Fukuda, Masato; Hayashi, Motoo; Sugita, Okimasa and Nakagawa, Masayuki.**

Trends in ozone observed over Japan and Antarctica: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 259-262, illus. incl. 1 table, May 1997.

(WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001338**

**Hicke, Jeffrey (NOAA, Aeronomy Laboratory, Boulder, CO); Tuck, Adrian and Smith, William L.**

Radiatively determined diabatic cooling rates of the Antarctic polar vortex: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 587-590, illus., 4 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001339**

**Kawahira, Kohji (Toyama National College of Technology, Toyama City, Japan).**

Recent development and the horizontal structure changes in the Antarctic ozone hole: *in* Stratospheric processes and their role in climate (SPARC); proceedings of the First SPARC general assembly (Geller, Marvin, chairperson; *et al.*), **WCRP Publications Series**, 99, p. 614-617, illus., 4 ref., May 1997. (WMO/TD-NO-814). *Meeting*: Dec. 2-6, 1996, Melbourne, Victoria, Australia.

**58001354**

**Ivensen, V. Iu. and Slastenov, Iu. L., editors.**

Voprosy geologii Iakutii [Problems of Iakutia geology]: Izdatel'stvo Iakutskogo Universiteta, Iakutsk, Russian Federation, 124 p., 2001. ISBN: 5-7513-0318-0. Individual abstracts are cited separately.

**58001355**

**Zou Chengzhi (QSS Group, Lanham, MD) and Van Woert, Michael L.**

The role of conservation of mass in the satellite-derived poleward moisture transport over the Southern Ocean: **Journal of Climate**, 14(6), p. 997-1016, illus. incl. 5 tables, 42 ref., March 15, 2001.

**58001356**

**Schmittner, Andreas (University of Victoria, School of Earth and Ocean Sciences, Victoria, BC, Canada) and Stocker, Thomas F.**

A seasonally forced ocean-atmosphere model for paleoclimate studies: **Journal of Climate**, 14(6), p. 1055-1068, illus. incl. 1 table, 30 ref., March 15, 2001.

**58001357**

**Belkin, Igor M. (University of Rhode Island, Graduate School of Oceanography, Narragansett, RI); Cai, Wenju; Baines, Peter G. and Gordon, Hal B.**

Southern mid- to high-latitude variability, a zonal wavenumber-3 pattern, and the Antarctic Circumpolar Wave in the CSIRO coupled model; discussion and reply: **Journal of Climate**, 14(6), p. 1329-1334, illus., 14 ref., March 15, 2001. For reference to original see Cai, W., Baines, P. G. and Gordon, H. B., *J. Climate*, Vol. 12, p. 3087-3104, 1999.

**58001358**

**Vimeux, F.; Masson, V.; Jouzel, J.; Petit, J. R.; Steig, E. J.; Stievenard, M.; Vaikmae, R. and White, J. W. C.**

Holocene hydrological cycle changes in the Southern Hemisphere documented in East Antarctic deuterium excess records: **Climate Dynamics**, 17(7), p. 503-513, illus. incl. 1 table, 2001.

**58001359**

**Charles, C. D.; Rind, D.; Healy, R. and Webb, R.**

Tropical cooling and the isotopic composition of precipitation in general circulation model simulations of the ice age climate: **Climate Dynamics**, 17(7), p. 489-502, illus. incl. 1 table, 2001.

**58001360**

**Haarsma, R. J. (Royal Netherlands Meteorological Institute, De Bilt, Netherlands);**

**Opsteegh, J. D.; Selten, F. M. and Wang, X.**

Rapid transitions and ultra-low frequency behaviour in a 40 kyr integration with a coupled climate model of intermediate complexity: **Climate Dynamics**, 17(7), p. 559-570, illus. incl. sketch maps, 49 ref., 2001.

**58001361**

**Corsini, Alessandro (Universita di Modena e Reggio Emilia, Dipartimento di Scienze della Terra, Modena, Italy); Marchetti, Mauro and Soldati, Mauro.**

Holocene slope dynamics in the area of Corvara in Badia (Dolomites, Italy); chronology and paleoclimatic significance of some landslides: **Geografia Fisica e Dinamica Quaternaria**, 24(2), p. 127-139 (Italian sum.), illus. incl. strat. cols., sects., 2 tables, geol. sketch maps, 43 ref., 2001.

**58001362**

**Finsinger, Walter (Universitat Bern, Institut fur Pflanzenwissenschaften, Bern, Switzerland) and Ribolini, Adriano.**

Late Glacial to Holocene deglaciation of the Colle del Vei del Bouc-Colle del Sabbione area (Argentera Massif, Maritime Alps, Italy-France): **Geografia Fisica e Dinamica Quaternaria**, 24(2), p. 141-156 (Italian sum.), illus. incl. strat. cols., chart, sects., 2 tables, geol. sketch maps, 57 ref., 2001. *palynomorphs*

**58001363**

**Diolaiuti, Guglielmina (Universita di Milano, Dipartimento di Scienze della Terra, Milan, Italy); D'Agata, Carlo; Pavan, Mauro; Vassena, Giorgio; Lanzi, Carlo; Pinoli, Mario; Pelfini, Manuela; Pecci, Massimo and Smiraglia C., Claudio.**

The physical evolution of and the anthropic impact on a glacier subjected to a high influx of tourists; Vedretta Piana Glacier (Italian Alps): **Geografia Fisica e Dinamica Quaternaria**, 24(2), p. 199-201 (Italian sum.), illus. incl. sketch map, 6 ref., 2001.

**58001364**

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

Relazioni della campagna glaciologica 2000—Reports of the Glaciological Survey 2000:

**Geografia Fisica e Dinamica Quaternaria**, 24(2), p. 203-210, 219-261, (Italian, English), illus. incl. 1 table, geol. sketch maps, 2001. Individual sections are not cited separately.

**58001365**

**Falcini, Marco and Rapetti, Franco.**

Anno idrologico 1999-2000; lineamenti meteorologici per l'arco alpino Italiano—The hydrological year 1999-2000 meteorological features for the Italian Alps: **Geografia Fisica e Dinamica Quaternaria**, 24(2), p. 211-218, (Italian, English), illus. incl. 6 tables, sketch map, 2001.

**58001366**

**Hinderer, Matthias.**

Late Quaternary denudation of the Alps, valley and lake fillings and modern river loads: **Geodinamica Acta**, 14(4), p. 231-263 (French sum.), illus. incl. 10 tables, 2001.

**58001367**

**Duxbury, N. S. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA); Zotikov, I. A.; Nealson, K. H.; Romanovsky, V. E. and Carsey, F. D.**

A numerical model for an alternative origin of Lake Vostok and its exobiological implications for Mars: **Journal of Geophysical Research, E, Planets**, 106(1), p. 1453-1462, illus., 38 ref., January 25, 2001.

**58001368**

**Khaknazarov, S. Kh.**

Poleznye iskopaemye Khanty-Mansiiskogo avtonomnogo okruga i okhrana okruzhaiushchei sredy [Mineral resources of Khanty-Mansi Autonomous Okrug and environmental control]: Tomskii Universitet, Tomsk, Russian Federation, 92 p., 10 tables, sketch maps, 72 ref., ISBN: 5-7511-1387-X.

**58001369**

**Dredge, L. A., compiler.**

Surficial geology, Nadluardjuk Lake, Nunavut: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 4287, 1 sheet, illus. incl. glacial geology map, 1:100,000, 2002.

**58001370**

**McClenaghan, M. B.; Kjarsgaard, I. M.; Kjarsgaard, B. A. and Heaman, L. M.**

Mineralogy of kimberlite boulders from eskers in the Lake Timiskaming and Kirkland Lake areas, northeastern Ontario: **Open-File Report - Geological Survey of Canada**, Rep. No. 4361, 1 disc, illus. incl. tables, sketch maps, 2002. compact disc.

**58001371**

**Bednarski, J. M., compiler.**

Surficial geology, Fisherman Lake, Northwest Territories-Yukon Territory-British Columbia: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 4360, 1 sheet, glacial geology map, 1:50,000, 2002.

**58001372**

**Tabazadeh, A. (NASA, Ames Research Center, Earth Science Division, Moffett Field, CA); Drdla, K.; Schoeberl, M. R.; Hamill, P. and Toon, O. B.**

Arctic "ozone hole" in a cold volcanic stratosphere: **Proceedings of the National Academy of Sciences of the United States of America (Online)**, 99(5), p. 2609-2612, illus., 30 ref., February 19, 2002. Accessed on Oct. 14, 2003.

<http://www.pnas.org/cgi/reprint/99/5/2609.pdf>

**58001373**

**Dierssen, Heidi M. (California State University, Moss Landing Marine Laboratories, Moss Landing, CA); Smith, Raymond C. and Vernet, Maria.**

Glacial meltwater dynamics in coastal waters west of the Antarctic Peninsula: **Proceedings of the National Academy of Sciences of the United States of America (Online)**, 99(4), p. 1790-1795, illus. incl. sketch map, 31 ref., February 19, 2002. WWW. Accessed on Oct. 14, 2003.

<http://www.pubmedcentral.gov/picrender.fcgi?artid=122272&action=stream&blobtype=pdf>

**58001374**

**Zhou, Linqiu (University of Pennsylvania, Department of Physical Medicine and Rehabilitation, Philadelphia, PA); Shao, Zhenhai and Ou Shihuan.**

Cryoanalgesia; electrophysiology at different temperatures: **Cryobiology (Print)**, 46(1), p. 26-32, illus. incl. 3 tables, 26 ref., February 2003.

**58001375**

**Wilson, P. W. (University of Otago, Physiology Department, Dunedin, New Zealand); Heneghan, A. F. and Haymet, A. D. J.**

Ice nucleation in nature; supercooling point (SCP) measurements and the role of heterogeneous nucleation: **Cryobiology (Print)**, 46(1), p. 88-98, illus., 43 ref., February 2003. Includes appendix.

**58001376**

**Raymond, James A. (University of Nevada, Department of Biological Sciences, Las Vegas, NV) and Knight, Charles A.**

Ice binding, recrystallization inhibition, and cryoprotective properties of ice-active substances associated with Antarctic sea ice diatoms: **Cryobiology (Print)**, 46(2), p. 174-181, illus. incl. 1 table, 23 ref., April 2003.

**58001377**

**Acker, Jason P. (University of Alberta, Department of Laboratory Medicine and Pathology, Edmonton, Canada) and McGann, Locksley E.**

Protective effect of intracellular ice during freezing?: **Cryobiology (Print)**, 46(2), p. 197-202, illus., 12 ref., April 2003.

**58001378**

**Sperow, M. (West Virginia University, Division of Resource Management, Morgantown, WV); Eve, M. and Paustian, K.**

Potential soil C sequestration on U. S. agricultural soils: **Climatic Change**, 57(3), p. 319-339, illus. incl. 5 tables, geol. sketch maps, 52 ref., April 2003.

**58001379**

**Bonsal, Barrie R. (National Water Research Institute, Aquatic Ecosystem Impacts Research Branch, Saskatoon, SK, Canada) and Prowse, Terry D.**

Trends and variability in spring and autumn 0°C-isotherm dates over Canada: **Climatic Change**, 57(3), p. 341-358, illus. incl. sketch maps, 33 ref., April 2003.

**58001380**

**Anonymous.**

Beacon Valley: **New Scientist (1971)**, 178(2391), p. 43, illus., April 19, 2003.

**58001381**

**Fonseca, Fernanda (UMR Génie et Microbiologie des Procédés Alimentaires, Institut National Agronomique Paris-Grignon, France); Béal, Catherine and Corrieu, Georges.**

Operating conditions that affect the resistance of lactic acid bacteria to freezing and frozen storage: **Cryobiology (Print)**, 43(3), p. 189-198, illus. incl. 3 tables, 46 ref., November 2001.

**58001382**

**Mazzobre, M. F. (Universidad de Buenos Aires, Departamento de Industrias, Ciudad Universitaria, Buenos Aires, Argentina); Longinotti, M. P.; Corti, H. R. and Buera, M. P.**  
Effect of salts on the properties of aqueous sugar systems, in relation to biomaterial stabilization; 1, Water sorption behavior and ice crystallization/melting: **Cryobiology (Print)**, 43(3), p. 199-210, 39 ref., November 2001.

**58001383**

**So, Po-Wah (Royal Free Hospital School of Medicine, University Department of Surgery, London, United Kingdom) and Fuller, Barry J.**

A comparison of the metabolic effects of continuous hypothermic perfusion or oxygenated persufflation during hypothermic storage of rat liver: **Cryobiology (Print)**, 43(3), p. 238-247, illus. incl. 3 tables, 27 ref., November 2001.

**58001384**

**Koseoglu, Murat (Bosphorus University, Department of Molecular Biology and Genetics, Bebek, Turkey); Eroglu, Ali; Toner, Mehmet and Sadler, Kirsten C.**

Starfish oocytes form intracellular ice at unusually high temperatures: **Cryobiology (Print)**, 43(3), p. 248-259, illus. incl. 2 tables, 22 ref., November 2001.

**58001385**

**Viveiros, A. T. M. (Wageningen University, Fish Culture and Fisheries Group, Netherlands); Lock, E. J.; Woelders, H. and Komen, J.**

Influence of cooling rates and plunging temperatures in an interrupted slow-freezing procedure for semen of the African catfish, Clarias gariepinus: **Cryobiology (Print)**, 43(3), p. 276-287, illus. incl. 4 tables, 15 ref., November 2001.

**58001386**

**Hubalek, Zdenek (Academy of Sciences of Czech Republic, Medical Zoology Laboratory, Valtice, Czech Republic).**

Protectants used in the cryopreservation of microorganisms: **Cryobiology (Print)**, 46(3), p. 205-229, 3 tables, 274 ref., June 2003.

**58001387**

**Homma, Takayuki (National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba-shi, Japan); Iwahashi, Hitoshi and Komatsu, Yasuhiko.**  
Yeast gene expression during growth at low temperature: **Cryobiology (Print)**, 46(3), p. 230-237, illus. incl. 3 tables, 19 ref., June 2003.

**58001388**

**Yoon, Yonghyeon (University of New South Wales, School of Physics, Sydney, N.S.W., Australia); Pope, Jim and Wolfe, Joe.**  
Freezing stresses and hydration of isolated cell walls: **Cryobiology (Print)**, 46(3), p. 271-276, illus., 20 ref., June 2003.

**58001389**

**Bednarski, J. M., compiler.**

Deglaciation of Bathurst Island Group, Nunavut: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 2020A, 1 sheet, illus. incl. tables; glacial geology map, 1:250,000, 11 ref., 2003.

**58001390**

**Lawson, Bevan D. (Meteorologic Services of Canada, Prairie and Northern Region, Atmospheric and Hydrologic Sciences Division, Canada).**

Trends in blizzards at selected locations on the Canadian prairies: *in* Global warming and extreme weather; an assessment (Khandekar, Madhav L., editor; *et al.*), **Natural Hazards**, 29(2), p. 123-138, illus. incl. 3 tables, 25 ref., June 2003. Includes appendix.

**58001391**

**Shabbar, Amir (Meteorological Service of Canada, Canada) and Bonsal, Barrie.**

An assessment of changes in winter cold and warm spells over Canada: *in* Global warming and extreme weather; an assessment (Khandekar, Madhav L., editor; *et al.*), **Natural Hazards**, 29(2), p. 173-188, 18 ref., June 2003.

**58001392**

**Kripalani, R. H. (Indian Institute of Tropical Meteorology, Pashan, India); Kulkarni, Ashwini; Sabade, S. S. and Khandekar, Madhav L.**

Indian monsoon variability in a global warming scenario: *in* Global warming and extreme weather; an assessment (Khandekar, Madhav L., editor; *et al.*), **Natural Hazards**, 29(2), p. 189-206, illus. incl. 1 table, 54 ref., June 2003. Includes appendix.

**58001393**

**Hage, K. (University of Alberta, Edmonton, AB, Canada).**

On destructive Canadian prairie windstorms and severe winters: *in* Global warming and extreme weather; an assessment (Khandekar, Madhav L., editor; *et al.*), **Natural Hazards**, 29(2), p. 207-228, illus., 37 ref., June 2003.

**58001394**

**Kunkel, Kenneth E. (Illinois State Water Survey, Champaign, IL).**

North American trends in extreme precipitation: *in* Global warming and extreme weather; an assessment (Khandekar, Madhav L., editor; *et al.*), **Natural Hazards**, 29(2), p. 291-305, illus. incl. 1 table, 28 ref., June 2003.

**58001395**

**Kirillov, S. A. (State Scientific Center of the Russian Federation, Arctic and Antarctic Research Institute, Saint Petersburg, Russian Federation); Dmitrenko, I. A.; Darovskikh, A. N. and Eicken, H.**

Influence of shear instability of internal waves on processes of the vertical turbulent heat exchange on the Laptev Sea shelf: **Doklady Earth Sciences**, 390(4), p. 533-537, illus., 15 ref., June 2003.

**58001396**

**Dobrolyubov, S. A. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Lappo, S. S.; Morozov, E. G.; Pisarev, S. V. and Sokov, A. V.**  
Variability of water masses in the North Atlantic based on hydrographic sections along 60° N: **Doklady Earth Sciences**, 390(4), p. 566-570, illus. incl. table, 11 ref., June 2003.

**58001397**

**Morozov, E. G. (Russian Academy of Sciences, Moscow, Russian Federation); Demidova, T. A.; Lappo, S. S.; Pisarev, S. V. and Sokov, A. V.**  
Antarctic bottom water flow through the Vema Channel: **Doklady Earth Sciences**, 390(4), p. 593-596, illus. incl. table, 14 ref., June 2003.

**58001398**

**Coleman, Neil M. (U. S. Nuclear Regulatory Commission, Washington, DC).**  
Aqueous flows carved the outflow channels on Mars: **Journal of Geophysical Research, E, Planets**, 108(5), 15 p., illus. incl. 1 table, 96 ref., May 25, 2003.

**58001399**

**Carr, Michael H. (U. S. Geological Survey, Menlo Park, CA) and Head, James W., III.**  
Oceans on Mars; an assessment of the observations evidence and possible fate: **Journal of Geophysical Research, E, Planets**, 108(5), 28 p., illus. incl. 1 table, 122 ref., May 25, 2003.

**58001400**

**Khimenkov, A. N. (Rossiiskaia Akademii Nauk, Institut Geoekologii, Moscow, Russian Federation).**

Osobennosti kriolitogeneza v polyarnykh moryakh [Aspects of cryolithogenesis in polar seas]: **Geoekologiya (Moskva)**, 2003(3), p. 211-217, 18 ref., June 2003.

**58001401**

**Srinivasulu, J. (ADRIN, Department of Space, Secunderabad, India); Kulkarni, A. V.; Mishra, V. D. and Mathur, P.**

Field based hyperspectral reflectance studies to monitor snowpack characteristics in the Himalayan terrain: *in* Proceedings of the ISPRS commission VII symposium; resource and environmental monitoring (Navalgund, R. R., editor; *et al.*), **The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences (Print) = Internationales Archiv für Photogrammetrie, Fernerkundung und Raumbezogene Informationswissenschaften (Print) = Archives Internationales des Sciences de la Photogrammétrie, de la Télédéction et de l'Information Spatiale (Print)**, 34, Part 7A, p. 15-18, illus. incl. 1 table, 10 ref., 2002. *Meeting:* Dec. 3-6, 2002, Hyderabad, India.

**58001402**

**Manjul, S. S. (Space Applications Centre, Ahmedabad, India); Kulkarni, A. V. and Srinivasulu, J.**

Design and development of a ratio radiometer for snow and glacial studies: *in Proceedings of the ISPRS commission VII symposium; resource and environmental monitoring* (Navalgund, R. R., editor; *et al.*), **The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences (Print) = Internationales Archiv für Photogrammetrie, Fernerkundung und Raumbezogene Informationswissenschaften (Print) = Archives Internationales des Sciences de la Photogrammétrie, de la Télédétection et de l'Information Spatiale (Print)**, 34, Part 7A, p. 36-41, illus. incl. 7 tables, 8 ref., 2002. *Meeting*: Dec. 3-6, 2002, Hyderabad, India.

**58001403**

**Bhandari, Satyendra (Space Applications Centre, Ahmedabad, India); Dash, Mihir; Vyas, N. K.; Khanolkar, Amita; Sharma, Nilay; Khare, Niloy and Pandey, P. C.**

Inter-comparison of simultaneous MSMR and SSM/I observations for sea ice estimation over the Antarctic region: *in Proceedings of the ISPRS commission VII symposium; resource and environmental monitoring* (Navalgund, R. R., editor; *et al.*), **The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences (Print) = Internationales Archiv für Photogrammetrie, Fernerkundung und Raumbezogene Informationswissenschaften (Print) = Archives Internationales des Sciences de la Photogrammétrie, de la Télédétection et de l'Information Spatiale (Print)**, 34, Part 7A, p. 409-413, illus. incl. 1 table, 18 ref., 2002. *Meeting*: Dec. 3-6, 2002, Hyderabad, India.

**58001404**

**Timonin, N. (Rossiiskaia Akademii Nauk, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Institut Geologii, Syktyvkar, Russian Federation).**

Leidniki Urala [Ural's glaciers]: *Vestnik Instituta Geologii (Rossiiskaia Akademii Nauk, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr)*, 2003(5), p. 11-12, illus., 10 ref., May 2003.

**58001405**

**Grek, R. Kh. and Gozhik, P. F.**

Issledovaniia topografii i strukturnykh svoistv morskoi, zemnoi i ledovoi poverkhnostei sputnikovymi radiolokatsionnymi metodami [Topographic research and structural properties of the sea, terrain and ice surfaces using satellite radar methods]: **Geologichnyy Zhurnal (1995) = Geological Journal**, 2001(2), p. 50-56 (English, Ukrainian sum.), illus., 3 ref., 2001.

**58001406**

**Krenke, A. N. (Russian Academy of Sciences, Institute of Geography, Russian Federation) and Chernavskaiia, M. M.**

Rayonirovanie territorii rossii po sochetanii klimaticeskikh ekstremumov; uslovii vospniknovenii chrezvychainykh situ atsii [Regionalization of Russian territory according to combination of climatic extremes as factors of hazards occurrence]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(2), p. 17-25 (English sum.), illus. incl. 1 table, 17 ref., April 2003.

**58001407**

**Grosval'd, M. G. (Russian Academy of Sciences, Institute of Geography, Russian Federation).**

Oledeneniiia i vulkanizm saiano-tuvinskogo nagor'ia [Glaciation and volcanism of Saiano-Tuva Highland]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(2), p. 83-92 (English sum.), 32 ref., April 2003.

**58001408**

**Kashutina, E. A. (Russian Academy of Sciences, Institute of Geography, Russian Federation).**

Prostranstvennaia izmenchivost' vlagoooborota v lesostepi russkoi ravniny [Spatial dynamic variation of water cycle in forest-steppe of Russian Plain]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(2), p. 93-102 (English sum.), illus., 9 ref., April 2003.

**58001409**

**Mandych, A. F. (Russian Academy of Sciences, Institute of Geography, Moscow, Russian Federation).**

Navodneniiia; uchcherby i zachchita [Floods; damage and preventive measures]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(2), p. 26-35 (English sum.), illus. incl. 2 tables, 21 ref., April 2003.

**58001410**

**Kotlyakov, V. M. (Russian Academy of Sciences, Institute of Geography, Russian Federation); Rototaeva, O. V.; Desinov, L. V.; Zotikov, I. A. and Osokin, N. I.**

Katastroficheskie posledstviia grandiyoznoi podvizhki lednika kolka na severnom kavkaze [Catastrophic consequences of huge surge of Kolka Glacier in Northern Caucasus]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(1), p. 45-54, 3 ref., February 2003.

**58001411**

**Matishov, G. G. (Russian Academy of Sciences Kolka Branch, Murmansk Marine Hydrobiological Institute, Kolka, Russian Federation) and Pavlova, L. G.**

Vliianie morskikh l'dov na gidrokhimiiu vod i protsessy sedimentatsii v moryakh Arktiki [Sea ice influence on hydrochemistry and sedimentation processes in Arctic Ocean]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(1), p. 63-68 (English sum.), 2 tables, 25 ref., February 2003.

**58001412**

**Trapeznikov, Iu. A. (Russian Academy of Sciences, Institute of Lake Studies, Russian Federation); Borzenkova, I. I. and Vinogradova, O. M.**

Klimat Sankt-Peterburga; proshloe, nastoiashee... [Saint Petersburg's climate; past, present...]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(1), p. 101-105 (English sum.), illus. incl. 2 tables, 7 ref., February 2003.

**58001413**

**Titkova, T. B. (Russian Academy of Sciences, Institute of Geography, Russian Federation).** Izmeneniiia klimata polupustyn' Prikaspia i Turgaia v XX v. [Climate changes in semi-deserts of Caspian region and Turgai in the 20th century]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(1), p. 106-112 (English sum.), illus. incl. 3 tables, 17 ref., February 2003.

**58001414**

**Sycheva, S. A. (Russian Academy of Sciences, Institute of Geography, Russian Federation).** Evolyutsiia pogrebennyykh balochnykh landshaftov lesostepi russkoi ravniny [Evolution of buried balka (gully) landscapes of Russian Plain forest-steppes]: **Izvestiia Akademii Nauk, Rossiiskaia Akademii Nauk, Seriia Geograficheskaiia**, 2003(1), p. 113-123 (English sum.), illus., 24 ref., February 2003.

**58001415**

**Arzhanova, V. S. (Russian Academy of Sciences, Far East Division, Pacific Institute of Geography, Vladivostok, Russian Federation).** Soils of alpine geosystems of the Sikhote Alin Ridge and some aspects of their genesis: **Eurasian Soil Science**, 36(8), p. 809-817, illus. incl. 3 tables, 18 ref., August 2003.

**58001416**

**Long, Antony (University of Durham, Department of Geography, Durham, United Kingdom).**

The coastal strip; sea-level change, coastal evolution and land-ocean correlation: **Progress in Physical Geography**, 27(3), p. 423-434, 79 ref., 2003.

**58001417**

**Droxler, André W. (Rice University, Department of Earth Science, Houston, TX); Poore, Richard Z. and Burckle, Lloyd H., editors.**

Earth's climate and orbital eccentricity; the marine isotope stage 11 question: **Geophysical Monograph**, 137, 240 p., illus. incl. tables, sects., geol. sketch maps, 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. Individual papers are cited separately.

**58001418**

**Droxler, André W. (Rice University, Department of Earth Science, Houston, TX); Alley, Richard B.; Howard, William R.; Poore, Richard Z. and Burckle, Lloyd H.**

Unique and exceptionally long interglacial marine isotope stage 11; window into Earth warm future climate: *in* Earth's climate and orbital eccentricity; the marine isotope stage 11 question (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 1-14, illus. incl. sects., 56 ref., 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. NSF Grants OWD-9116323 and OPP-0126187.

**58001419**

**Berger, André (Université Catholique de Louvain, Institut d'Astronomie et de Géophysique G. Lemaître, Louvain-la-Neuve, Belgium) and Loutre, Marie-France.**

Climate 400,000 years ago, a key to the future?: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 17-26, illus. incl. 1 table, 54 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001420**

**Raynaud, D. (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint-Martin-d'Hères, France); Loutre, Marie-France; Ritz, C.; Chappellaz, J.; Barnola, J. M.; Jouzel, J.; Lipenkov, V. Y.; Petit, J. R. and Vimeux, F.**

Marine isotope stage (MIS) 11 in the Vostok ice core; CO<sub>2</sub> forcing and stability of East Antarctica: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 27-40, illus. incl. sketch maps, 28 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001421**

**Berger, W. H. (Scripps Institution of Oceanography, La Jolla, CA) and Wefer, G.**

On the dynamics of the ice ages; stage-11 paradox, mid-Brunhes climate shift, and 100-ky cycle: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 41-59, illus. incl. 1 table, 111 ref., 2003.

*Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001422**

**Karner, Daniel B. (University of California at Berkeley, Department of Physics, Berkeley, CA) and Marra, Fabrizio.**

<sup>40</sup>Ar/<sup>39</sup>Ar dating of glacial termination V and the duration of marine isotopic stage 11: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 61-66, illus., 29 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001423**

**McManus, Jerry (Woods Hole Oceanographic Institution, Department of Geology and Geophysics, Woods Hole, MA); Oppo, Delia; Cullen, James and Healey, Stephanie.**

Marine isotope stage 11 (MIS 11); analog for Holocene and future climate?: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 69-85, illus. incl. sketch map, 105 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001424**

**Bauch, Henning A. (GEOMAR, Kiel, Federal Republic of Germany) and Erlenkeuser, Helmut.**

Interpreting glacial-interglacial changes in ice volume and climate from subarctic deep water foraminiferal  $\delta^{18}\text{O}$ : *in* Earth's climate and orbital eccentricity; the marine isotope stage 11 question (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 87-102, illus. incl. 2 tables, sketch map, 58 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. *upper Quaternary*

**58001425**

**Scherer, Reed P. (Northern Illinois University, Department of Geology and Environmental Geosciences, DeKalb, IL).**

Quaternary interglacials and the West Antarctic ice sheet: *in* Earth's climate and orbital eccentricity; the marine isotope stage 11 question (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 103-112, illus. incl. sketch maps, 77 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. NSF Grant OPP-9980364.

**58001426**

**Hodell, David A. (University of Florida, Department of Geological Sciences, Gainesville, FL); Kanfoush, Sharon L.; Venz, Kathryn A.; Charles, Christopher D. and Sierro, Francisco J.**

The mid-Brunhes transition in ODP Sites 1089 and 1090 (subantarctic South Atlantic): *in* Earth's climate and orbital eccentricity; the marine isotope stage 11 question (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 113-129, illus. incl. sketch map, 56 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001427**

**Bowen, D. Q. (Cardiff University, Department of Earth Sciences, Cardiff, United Kingdom).**

Uncertainty in oxygen isotope stage 11 sea-level; an estimate of  $\sim 13 \pm 2$  m from Great Britain: *in* Earth's climate and orbital eccentricity; the marine isotope stage 11 question (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 131-144, illus. incl. 1 table, sketch map, 83 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001428**

**Lea, David W. (University of California at Santa Barbara, Department of Geological Sciences and Marine Science Institute, Santa Barbara, CA); Pak, Dorothy K. and Spero, Howard J.**

Sea surface temperatures in the western Equatorial Pacific during marine isotope stage 11: *in* Earth's climate and orbital eccentricity; the marine isotope stage 11 question (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 147-156, illus. incl. 1 table, 52 ref., 2003. *Meeting*: American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. NSF Grant OCE-9819254.

**58001429**

**Ortlieb, Luc (Institut de Recherche pour le Développement, Bondy, France); Guzman, Nury and Marquardt, Carlos.**

A longer-lasting and warmer interglacial episode during isotopic stage 11; marine terrace evidence in tropical western Americas: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 157-180, illus. incl. 1 table, sketch map, 170 ref., 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA.

**58001430**

**Zeigler, K. E. (University of New Mexico, Department of Earth and Planetary Sciences, Albuquerque, NM); Schwartz, J. P.; Droxler, André W.; Shearer, M. C. and Peterson, L.** Caribbean carbonate crash in Pedro Channel at subthermoclinal depth during marine isotope stage 11; a case of basin-to-shelf carbonate fractionation?: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 181-204, illus. incl. sketch map, 85 ref., 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. NSF Grant OCE-9116323. *upper Quaternary*

**58001431**

**Kukla, George (Lamont-Doherty Earth Observatory of Columbia University, Palisades, NY).**

Continental records of MIS 11: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 207-211, illus., 26 ref., 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. NSF Grant ATM-01-00830.

**58001432**

**Rousseau, Denis-Didier (Université Montpellier II, Paléoenvironnements et Palynologie, Montpellier, France).**

The continental record of stage 11; a review: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 213-222, illus. incl. sects., 1 table, geol. sketch map, 31 ref., 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. *upper Quaternary*

**58001433**

**Karabanov, Eugene (University of South Carolina, Department of Geological Sciences, Columbia, SC); Prokopenko, Alexander; Williams, Douglas; Khursevich, Galina; Kuzmin, Mikhail; Bezrukova, Elena and Gvozdov, Alexander.**

High-resolution MIS 11 record from the continental sedimentary archive of Lake Baikal, Siberia: *in Earth's climate and orbital eccentricity; the marine isotope stage 11 question* (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 223-230, illus., 25 ref., 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. *upper Quaternary*

**58001434**

**Vidic, Natasa J. (Agronomy Department, Ljubljana, Slovenia); Verosub, Kenneth L. and Singer, Michael J.**

The Chinese Loess perspective on marine isotope stage 11 as an extreme interglacial: *in* Earth's climate and orbital eccentricity; the marine isotope stage 11 question (Droxler, André W., editor; *et al.*), **Geophysical Monograph**, 137, p. 231-240, illus. incl. 1 table, sketch map, 53 ref., 2003. *Meeting:* American Geophysical Union, 1999 fall meeting; workshop on Marine isotope stage 11; an extreme interglacial?, Dec. 13-17, 1999, San Francisco, CA. NSF Grant EAR-97-10051.

**58001435**

**Mix, Alan C. (Oregon State University, College of Oceanic and Atmospheric Sciences, Corvallis, OR).**

Chilled out in the ice-age Atlantic: **Nature (London)**, 425(6953), p. 32-33, 20 ref., September 4, 2003.

**58001436**

**Ekstrom, Goran (Harvard University, Department of Earth and Planetary Sciences, Cambridge, MA); Nettles, Meredith and Abers, Geoffrey A.**

Glacial earthquakes: **Science**, 302(5645), p. 622-624, illus. incl. sketch maps, 24 ref., October 24, 2003.

**58001437**

**Thomas, David N. (University of Wales, School of Ocean Sciences, Bangor, United Kingdom).**

Iron limitation in the Southern Ocean: **Science**, 302(5645), p. 565, illus., 6 ref., October 24, 2003.

**58001438**

**Fahnestock, Mark (University of New Hampshire, Institute for the Study of Earth, Oceans and Space, Durham, NH).**

Glacial flow goes seismic: **Science**, 302(5645), p. 578-579, illus., 5 ref., October 24, 2003.

**58001439**

**Anonymous.**

German Antarctic research report to SCAR; past activities (October 1989-March 1990); planned activities (April 1990-March 1991): **National Antarctic Research**, 12, 83 p., sketch map, 1990.

**58001440**

**Johns, Bjorn (University NAVSTAR Consortium).**

Polar expedition; plotting an Antarctic runway: **GPS World**, 10(3), p. 20-24, 26, 28, 30, illus., March 1999.

**58001441**

**Macheret, Yuri Ya. and Glazovsky, Andrey F.**

Estimation of absolute water content in Spitsbergen glaciers from radar sounding data: **Polar Research**, 19(2), p. 205-216, sects., 2 tables, geol. sketch map, 37 ref., 2000.

**58001442**

**Scharek, Peter; Herrmann, Paul; Kaiser, Miklos and Pristas, Jan.**  
Map of genetic types and thickness of Quaternary sediments: **Jahrbuch der Geologischen Bundesanstalt Wien**, 142(4), p. 447-455, strat. col., 43 ref., 2000.

**58001443**

**Noverraz, Francis (Swiss Federal Institute of Technology of Lausanne, Lausanne, Switzerland); Bonnard, Christophe and Vulliet, Laurent.**  
Multidisciplinary study of monitoring data at a landslide: *in* The Interplay between geotechnical engineering and engineering geology; proceedings of the eleventh European conference on Soil mechanics and foundation engineering; numerical modelling and information technology, **DGF-Bulletin**, 11, Vol. 6, p. 139-144, illus., 9 ref., 1995. *Meeting:* May 28-June 1, 1995, Copenhagen, Denmark.

**58001444**

**Watn, Arnstein (SINTEF Geotechnical Engineering, Trondheim, Norway); Tuttle, Kevin J. and Sandven, Rolf.**  
Stratigraphical and sedimentological modelling at Gardermoen: *in* The Interplay between geotechnical engineering and engineering geology; proceedings of the eleventh European conference on Soil mechanics and foundation engineering; numerical modelling and information technology, **DGF-Bulletin**, 11, Vol. 6, p. 221-226, illus., 9 ref., 1995. *Meeting:* May 28-June 1, 1995, Copenhagen, Denmark.

**58001445**

**Kimmel, Robert S.**

Groundwater in the Nooksack Lowland of western Whatcom County, Washington: 62 p., 2 tables, 3 plates, 12 ref., Bachelor's, June 1982, Western Washington University, Bellingham, WA.

**58001446**

**Svedas, Kestutis (Vilniaus Pedagoginis Universitetas, Vilnius, Lithuania).**

Vistycio aukstumos siaurines dalias geomorfologiniai bruožai [Geomorphological features of the northern part of the Vistytis Upland]: *in* Geomorfologija—Geomorphology (Cesnulevicius, Algimantas, editor; *et al.*), Geografijos Institutas, Vilnius, Lithuania, p. 68-84 (English sum.), sect., strat. cols., geol. sketch map, 9 ref., 1995.

**58001447**

**Svedas, Kestutis (Vilniaus Pedagoginis Universitetas, Vilnius, Lithuania).**

Priespaskutinio apledėjimo suformuotas reljefas ir jo postgenetinis transformavimas [The relief formed by the penultimate glaciation and its post-genetic transformation]: *in* Geomorfologija—Geomorphology (Cesnulevicius, Algimantas, editor; *et al.*), Geografijos Institutas, Vilnius, Lithuania, p. 85-99 (English sum.), 2 tables, geol. sketch maps, 3 ref., 1995.

**58001448**

**Eraso, A.**

El hielo Antártico; resultado de las investigaciones glaciológicas españolas [Antarctic ice; the results of Spanish glaciological investigations]: **Geogaceta**, 7, p. 109-111, 1990.

**58001449**

**Stott, T. A. (Liverpool John Moores University, Department of Science and Outdoor Education, Liverpool, United Kingdom) and Grove, J. R.**

Short-term discharge and suspended sediment fluctuations in the proglacial Skeldal River, North-East Greenland: **Hydrological Processes**, 15(3), p. 407-423, illus. incl. 2 tables, sketch maps, 50 ref., February 28, 2001.

**58001450**

**Hodgkins, Richard (University of London, Department of Geography, Egham, Surrey, United Kingdom).**

Seasonal evolution of meltwater generation, storage and discharge at a non-temperate glacier in Svalbard: **Hydrological Processes**, 15(3), p. 441-460, illus. incl. 5 tables, sketch maps, 33 ref., February 28, 2001.

**58001451**

**Stichler, W. (GSF, Institute of Hydrology, Neuherberg, Federal Republic of Germany) and Schotterer, U.**

From accumulation to discharge; modification of stable isotopes during glacial and post-glacial processes: *in ISOBALANCE* (Gibson, John J., editor; *et al.*), **Hydrological Processes**, 14(8), p. 1423-1438, illus. incl. 1 table, 52 ref., June 15, 2000. *Meeting: ISOBALANCE*, July 14-18, 1997, Saskatoon, SK, Canada.

**58001458**

**Korsmo, Fae L. (National Science Foundation, Experimental Program to Stimulate Competitive Research, Arlington, VA) and Sfraga, Michael P.**

From interwar to cold war; selling field science in the United States, 1920s through 1950s: **Earth Sciences History**, 22(1), p. 55-78, 149 ref., 2003.

**58001459**

**Sheppard, D. S. (Institute of Geological & Nuclear Sciences, Lower Hutt, New Zealand); Campbell, I. B.; Claridge, G. C. C. and Deely, J. M.**

Report on the New Zealand Antarctic Programme Event K091 1992/93; pollutant transport and monitoring in soils and waters on Ross Island and Vanda Station: **Institute of Geological & Nuclear Sciences Science Report**, Rep. No. 93/9, 23 p., illus., 1993. ISBN: 0-478-07042-X.

**58001460**

**Melhuish, Anne (Institute of Geological & Nuclear Sciences, Hydrocarbons and Sedimentary Basins Group, Wellington, New Zealand); Bannister, Stephen; ten Brink, Uri; Beaudoin, Bruce and Stern, Tim.**

Seismic experiment Ross Ice Shelf 1990/91; characteristics of the seismic reflection data: **Institute of Geological & Nuclear Sciences Science Report**, Rep. No. 93/6, 45 p., 1993. ISBN: 0-478-07027-6.

**58001461**

**Bannister, Stephen (Institute of Geological & Nuclear Sciences, Hydrocarbons and Sedimentary Basins Group, Wellington, New Zealand).**

Seismic investigation, Wilkes Basin, New Zealand Antarctic Programme 1993/94; Event K101: **Institute of Geological & Nuclear Sciences Science Report**, Rep. No. 94/21, 50 p., 1994. ISBN: 0-478-08811-6.

**58001462**

**Barrell, D. J. A. (Institute of Geological & Nuclear Sciences, Regional Geology and Geophysics Group, Dunedin, New Zealand); Riddolls, B. W.; Riddolls, P. M. and Thomson, R.** Surficial geology of the Wakatipu Basin, central Otago, New Zealand: **Institute of Geological & Nuclear Sciences Science Report**, Rep. No. 94/39, 31 p., surficial geology maps, 1994. ISBN: 0-478-08833-7.

**58001463**

**Pauer, Frank; Kipfstuhl, Sepp; Kuhs, Werner F. and Shoji, Hitoshi.** Classification of air clathrates found in polar ice sheets: **Polarforschung**, 66(3), p. 31-38 (German sum.), illus., 10 ref., 1996.

**58001464**

**Heinemann, Günther.**

On the streakiness of katabatic wind signatures on high-resolution AVHRR satellite images; results from the aircraft-based experiment KABEG: **Polarforschung**, 66(3), p. 19-30 (German sum.), illus. incl. 4 tables, sketch map, 16 ref., 1996.

**58001465**

**Lageson, David R. (Montana State University, Department of Earth Sciences, Bozeman, MT); Kellogg, Karl S. and O'Neill, J. M.**

Potential for catastrophic landslide failure of northwest flank of Jumbo Mountain, Spanish Peaks Wilderness, Montana: *in* The edge of the Crazies; geology where the mountains meet the prairie; Tobacco Root Geological Society 22nd annual field conference with the Montana Geological Society (Lageson, David R., editor; *et al.*), **Northwest Geology**, 27, p. 13-18, illus., 4 ref., 1997. *Meeting:* Aug. 7-10, 1997, Livingston, MT.

**58001466**

**Schöne, Bernd R. (Goethe University, Institute for Geology and Paleontology, Frankfurt am Main, Federal Republic of Germany); Oschmann, Wolfgang; Rössler, Jochen; Castro, Antuané D. Freyre; Houk, Stephen D.; Kröncke, Ingrid; Dreyer, Wolfgang; Janssen, Ronald; Rumohr, Heye and Dunca, Elena.**

North Atlantic Oscillation dynamics recorded in shells of a long-lived bivalve mollusk: **Geology (Boulder)**, 31(12), p. 1037-1040, illus. incl. 1 table, sketch map, 37 ref., December 2003.

**58001467**

**Burenkov, V. I. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Vedernikov, V. I.; Ershova, S. V.; Kopelevich, O. V. and Sheberstov, S. V.**

Application of the ocean color data gathered by the SeaWiFS satellite scanner for estimating the bio-optical characteristics of waters in the Barents Sea: **Oceanology**, 41(4), p. 461-468, illus. incl. 1 table, geol. sketch maps, 22 ref., August 2001.

**58001468**

**Titov, O. V. (Knipovich Polar Research Institute for Fisheries and Oceanography, Murmansk, Russian Federation).**

Long-term variations in the hydrochemical and density characteristics over the Kola Meridian section as an indicator of changes in the ecosystem of the Barents Sea: **Oceanology**, 41(4), p. 493-501, illus., 30 ref., August 2001.

**58001469**

**Musaeva, E. I. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation) and Suntsov, A. V.**

On the distribution of the Pechora Sea zooplankton (on the materials collected in August 1998): **Oceanology**, 41(4), p. 508-516, illus. incl. 2 tables, geol. sketch map, 20 ref., August 2001.

**58001470**

**Keller, N. B. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation) and Pasternak, F. A.**

Coral polyps (Scleractinia, Alcyonacea, Gorgonacea, and Pennatulacea) and their role in the formation of the landscape of the Reykjanes Ridge rift zone: **Oceanology**, 41(4), p. 531-539, illus., 18 ref., August 2001.

**58001471**

**Verzhbitskii, E. V. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation).**

Geothermal regime, floor tectonics, and temperature conditions of hydrocarbon generation in the southwestern part of the Kara Sea: **Oceanology**, 41(4), p. 569-573, illus. incl. geol. sketch map, sects., 22 ref., August 2001.

**58001472**

**Sutcliffe, Owen E. (University of Wales, Institute of Geography and Earth Sciences, Aberystwyth, United Kingdom); Harper, David A. T.; Ait Salem, Abdallah; Whittington, Robert J. and Craig, Jonathan.**

The development of an atypical Hirnantia-brachiopod fauna and the onset of glaciation in the late Ordovician of Gondwana: **Transactions of the Royal Society of Edinburgh: Earth Sciences**, 92, Part 1, p. 1-14, illus. incl. strat. cols., 1 table, geol. sketch maps, 56 ref., 2001.

**58001473**

**van Vliet-Lanoë, Brigitte (Université des Sciences et Techniques de Lille, Séimentologie et Géodynamique, France); Mansy, Jean-Louis; Meilliez, Francis and Laurent, M.**

Neotectonic and seismic activity in the English Channel and Dover Strait; the differentiation between co-seismic and periglacial deformations: *in* Proceedings of the workshop; evaluation of the potential for large earthquakes in regions of present day low seismic activity in Europe (Camelbeeck, Thierry, editor), **Cahiers du Centre Européen de Géodynamique et de Seismologie (ECGS)**, 18, p. 163-165, sects., 20 ref., 2001. *Meeting*: March 13-17, 2000, Han-sur-Lesse, Belgium.

**58001474**

**Cizek, Petr (Cizek Environmental Services, Yellowknife, NT, Canada); McCullum, John and Booth, Andrea.**

Cumulative impacts in the Fort Liard area: **Cryofront**, 4(3), 16 p., illus. incl. 3 tables, sketch maps, October 2002. WWW. Accessed on Jan. 30, 2003; final draft.

<http://www.members.shaw.ca/cryofront/V4-n3.htm>

**58001475**

**Crawford, Robert M. M. (Saint Andrews University, Plant Science Laboratory, Saint Andrews, United Kingdom).**

Plant survival in the changing climates of the High Arctic: **Bulletin de la Classe des Sciences, Académie Royale de Belgique. 6e Série**, 12(7-12), p. 249-264, illus. incl. sketch maps, 42 ref., 2001.

**58001476**

**Malaroda, R. (Universita di Torino, Dipartimento di Scienze della Terra, Turin, Italy).**

Neottettonica, glacialisimo e idrografia wurmiani ed olocenici della media Tinee (Alpes-Maritimes, Francia) [Wurmian and Holocene neotectonics, glaciation, and hydrology in the middle Tinee Valley, Alpes-Maritimes, France]: **Atti della Accademia Nazionale dei Lincei. Rendiconti Lincei. Scienze Fisiche e Naturali**, 9(13, Part 2), p. 51-64 (English sum.), illus.; colored tectonic map, 8 ref., 2002.

**58001477**

**Dai, Xiaoyan.**

Bioavailability and chemical characterization of soil organic matter in Arctic soils: 122 p., Doctoral, 2001, University of Alaska, Fairbanks, Fairbanks, AK. ISBN: 0-493-28685-3 *Available from:* Univ. Microfilms.

**58001478**

**Alhakimi, Saif Ali.**

The extent and boundaries of extinct Lake Scuppernong, Jefferson County, southeastern Wisconsin: 112 p., Doctoral, 2002, University of Wisconsin-Milwaukee, Milwaukee, WI. ISBN: 0-493-98144-6 *Available from:* Univ. Microfilms.

**58001479**

**Riley, Colleen Marie.**

Investigation of volcanic ash fallout: 150 p., Doctoral, 2002, Michigan Technological University, Houghton, MI. ISBN: 0-493-98423-2 *Available from:* Univ. Microfilms.

**58001480**

**Buteau, Sylvie.**

Etude de l'affaiblissement du comportement mécanique du pergélisol dû au réchauffement climatique [Study of the weakening of the mechanical behavior of permafrost due to climatic warming]: 219 p., Doctoral, 2002, Universite Laval, Ste.-Foy, PQ, Canada. ISBN: 0-612-75743-9 *Available from:* Univ. Microfilms.

**58001481**

**Elsberg, Daniel Harry.**

Variations in ice flow and glaciers over time and space: 122 p., Doctoral, 2003, University of Alaska, Fairbanks, Fairbanks, AK. *Available from:* Univ. Microfilms.

**58001482**

**Larsen, Christopher Fairlamb.**

Rapid uplift of southern Alaska caused by recent ice loss: 110 p., Doctoral, 2003, University of Alaska, Fairbanks, Fairbanks, AK. *Available from:* Univ. Microfilms.

**58001483**

**Pathare, Asmin Vijay.**

The morphological evolution of the Martian polar layered deposits: 205 p., Doctoral, 2002, University of California, Los Angeles, Los Angeles, CA. ISBN: 0-493-98689-8 Available from: Univ. Microfilms.

**58001484**

**Elguindi, Nellie.**

Subgrid-scale snowcover heterogeneity and the effects of snowcover on mid-latitude cyclones in the Great Plains: 136 p., Master's, 2003, University of Delaware, Newark, DE. ISBN: 0-493-98459-3 Available from: Univ. Microfilms.

**58001485**

**Viau, André Ernest J.**

Millenial-scale climate variability in North America during the past 14,000 years: 319 p., Doctoral, 2003, University of Ottawa, Ottawa, ON, Canada. ISBN: 0-612-76506-7 Available from: Univ. Microfilms.

**58001486**

**Bourgault, Daniel.**

Circulation and mixing in the St. Lawrence Estuary: 127 p., Doctoral, 2001, McGill University, Montreal, PQ, Canada. ISBN: 0-612-75609-2 Available from: Univ. Microfilms.

**58001487**

**Sharma, Charu Govind.**

Late Quaternary paleoenvironmental reconstruction of the Sunda rivers delta system, Sunda Shelf, South China Sea; timing of drowning and sea-level changes: 173 p., Doctoral, 2002, Dalhousie University, Halifax, NS, Canada. ISBN: 0-612-75722-6 Available from: Univ. Microfilms.

**58001488**

**Salas, Marco Antonio (CENAPRED, Mexico).**

Riesgos hidrometeorológicos; heladas [Natural hazards; frost action]: in Diagnóstico de peligros e identificación de riesgos de desastres in México (Zepeda Ramos, Oscar, editor; et al.), Centro Nacional de Prevención de Desastres, Mexico City, Mexico, p. 118-124, illus. incl. 4 tables, 3 ref., 2001.

**58001489**

**Eslava, Héctor (CENAPRED, Mexico).**

Riesgos hidrometeorológicos; tormentas de granizo y nieve [Natural hazards; hail and snow storms]: in Diagnóstico de peligros e identificación de riesgos de desastres in México (Zepeda Ramos, Oscar, editor; et al.), Centro Nacional de Prevención de Desastres, Mexico City, Mexico, p. 113-117, illus. incl. 1 table, 6 ref., 2001.

**58001490**

**Solov'ev, K. A. (Moscow State University, Biological Faculty, Moscow, Russian Federation) and Kosobokova, K. N.**

Feeding of the chaetognaths Parasagitta elegans Verrill (Chaetognatha) in the White Sea: *Oceanology*, 43(4), p. 524-531, illus. incl. 3 tables, sketch map, 26 ref., August 2003.

**58001491**

**Tseitlin, V. B. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation) and Rat'kova, T. N.**

Size structure of phytoplankton in the Barents Sea: **Oceanology**, 43(4), p. 532-534, illus., 12 ref., August 2003.

**58001492**

**Khusid, T. A. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Basov, I. A.; Korsun, S. A. and Korneeva, G. A.**

Living benthic foraminifers in the bottom assemblages in the southeastern part of Kandalaksha Bay (White Sea) and their environment: **Oceanology**, 43(4), p. 535-541, illus. incl. 3 tables, sketch map, 18 ref., August 2003.

**58001493**

**Gröger, M. (University of Bremen, Faculty of Geosciences, Bremen, Federal Republic of Germany); Henrich, R. and Bickert, T.**

Glacial-interglacial variability in lower North Atlantic deep water; inference from silt grain-size analysis and carbonate preservation in the western Equatorial Atlantic: **Marine Geology**, 201(4), p. 321-332, illus. incl. sketch map, 43 ref., October 15, 2003.

**58001494**

**Savadjiev, Konstantin (Université du Québec à Chicoutimi, Atmospheric Icing of Power Network Equipment, Chicoutimi, PQ, Canada) and Farzaneh, Masoud.**

Probabilistic model of combined wind and ice loads on overhead power line conductors: **Canadian Journal of Civil Engineering = Revue Canadienne de Génie Civil**, 30(4), p. 704-710 (French sum.), illus. incl. 2 tables, 11 ref., August 2003.

**58001495**

**Morse, Brian (Université Laval, Department of Civil Engineering, Sainte-Foy, PQ, Canada); Hessami, Masoud and Bourel, Céline.**

Mapping environmental conditions in the St. Lawrence River onto ice parameters using artificial neural networks to predict ice jams: **Canadian Journal of Civil Engineering = Revue Canadienne de Génie Civil**, 30(4), p. 758-765 (French sum.), illus. incl. sketch map, 21 ref., August 2003.

**58001496**

**Morse, Brian (Université Laval, Department of Civil Engineering, Sainte-Foy, PQ, Canada); Hessami, Masoud and Bourel, Céline.**

Characteristics of ice in the St. Lawrence River: **Canadian Journal of Civil Engineering = Revue Canadienne de Génie Civil**, 30(4), p. 766-774 (French sum.), illus. incl. sketch map, 14 ref., August 2003.

**58001497**

**Edvardsson, S. (Mid Sweden University, Department of Physics, Sweden) and Karlsson, K. G.**

Long scale astronomical variations in our solar system; consequences for future ice ages: *in* The handling of timescales in assessing post-closure safety of deep geological repositories; workshop proceedings (United Nations Organization for Economic Cooperation and Development, Nuclear Energy Agency), p. 173-179, illus., 15 ref., 2002. Available from: OECD Publications, Paris, France. Meeting: April 16-18, 2002, Paris, France.

**58001498**

**Suzuki, Keisuke (Shinshu University, Department of Environmental Sciences, Matsumoto, Japan).**

Chemistry of stream water in a snowy temperate catchment: *in* Japan Society of Hydrology and Water Resources (Yamashiki, Yosuke, editor), **Hydrological Processes**, 17(14), p. 2795-2810, illus. incl. 3 tables, 3 tables, sketch map, 13 ref., October 15, 2003.

**58001499**

**Moorhead, Daryl L. (University of Toledo, Department of Earth, Ecology and Environmental Sciences, Toledo, OH); Barrett, John E.; Virginia, Ross A.; Wall, Diana H. and Porazinska, Dorota.**

Organic matter and soil biota of upland wetlands in Taylor Valley, Antarctica: **Polar Biology**, 26(9), p. 567-576, illus. incl. 4 tables, 45 ref., September 2003. NSF Grant OPP-0096250.

**58001500**

**Simpkins, Michael A. (National Marine Mammal Laboratory, Alaska Fisheries Science Center, Seattle, WA); Hiruki-Raring, Lisa M.; Sheffield, Gay; Grebmeier, Jacqueline M. and Bengtson, John L.**

Habitat selection by ice-associated pinnipeds near St. Lawrence Island, Alaska in March 2001: **Polar Biology**, 26(9), p. 577-586, illus. incl. 3 tables, sketch map, 29 ref., September 2003. NSF Grants OPP-9813946 and OPP-9910319; includes appendix.

**58001501**

**Lippert, H. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Brinkmeyer, R.; Mülhaupt, T. and Iken, K.**

Antimicrobial activity in sub-arctic marine invertebrates: **Polar Biology**, 26(9), p. 591-600, illus. incl. 4 tables, sketch map, 62 ref., September 2003.

**58001502**

**Schewe, Ingo (Alfred-Wegener-Institut für Polar und Marine Research, Bremerhaven, Federal Republic of Germany) and Soltwedel, Thomas.**

Benthic response to ice-edge-induced particle flux in the Arctic Ocean: **Polar Biology**, 26(9), p. 610-620, illus. incl. 3 tables, sketch map, 44 ref., September 2003.

**58001503**

**La Mesa, M. (ISMAR-CNR, Istituto di Scienze Marine, Ancona, Italy); Caputo, V.; Rampa, R. and Vacchi, M.**

Macroscopic and histological analyses of gonads during the spawning season of Chionodraco hamatus (Pisces, Channichthyidae) off Terra Nova Bay, Ross Sea, Southern Ocean: **Polar Biology**, 26(9), p. 621-628, illus. incl. 4 tables, 43 ref., September 2003.

**58001504**

**Maruszczak, Henryk (UMCS, Instytut Nauk o Ziemi, Lublin, Poland).**

Drogi i bezdroża kariery naukowej Walerego Lozinskiego; autora pojęcia "peryglacjal" [Ups and downs of scientific career of Walery Lozinski, the author of the notion "periglacial"]:

**Czasopismo Geograficzne = Geographical Journal**, 73(3), p. 177-186 (English sum.), 25 ref., 2002.

**58001505**

**Rabartin, Roland.**

Recherches concernant la surmortalité constatée dans les mois qui suivirent les éruptions du Laki (Islande) et de l'Asama (Japon) en 1783 [Research on excess mortality in the months following the eruptions of Laki (Iceland) and Asama (Japan) in 1783]: **L.A.V.E. L'Association Volcanique Européenne**, 99, p. 23, 2002.

**58001506**

**Meixner, Thomas (University of California at Riverside, Riverside, CA) and Bales, Roger C.**

Hydrochemical modeling of coupled C and N cycling in high-elevation catchments; importance of snow cover: **Biogeochemistry (Dordrecht)**, 62(3), p. 289-308, 2 tables, 2003.

**58001507**

**Akhurst, Maxine C. (British Geological Survey, Edinburgh, United Kingdom); Stow, Dorrik A. V. and Stoker, Martyn S.**

Late Quaternary glacigenic contourite, debris flow and turbidite process interaction in the Faroe-Shetland Channel, NE European continental margin: *in Deep-water contourite systems; modern drifts and ancient series, seismic and sedimentary characteristics* (Stow, Dorrik A. V., editor; *et al.*), **Memoir - Geological Society of London**, 22, p. 73-84, illus. incl. sects., strat. cols., geol. sketch maps, 34 ref., 2002.

**58001508**

**Hendy, Ingrid L. (University of British Columbia, Department of Earth and Ocean Sciences, Vancouver, BC, Canada) and Kennett, James P.**

Tropical forcing of North Pacific intermediate water distribution during late Quaternary rapid climate change?: **Quaternary Science Reviews**, 22(5-7), p. 673-689, illus. incl. 3 tables, 101 ref., March 2003.

**58001515**

**Person, Mark (Indiana University, Department of Geological Sciences, Bloomington, IN); Dugan, Brandon; Swenson, John B.; Urbano, Lensyl; Stott, Catherine; Taylor, James and Willett, Mark.**

Pleistocene hydrogeology of the Atlantic continental shelf, New England: **Geological Society of America Bulletin**, 115(11), p. 1324-1343, illus. incl. sects., 4 tables, sketch map, 78 ref., November 2003. Includes appendix.

**58001516**

**Owen, Lewis A. (University of California at Riverside, Department of Earth Sciences, Riverside, CA); Finkel, Robert C.; Ma Haizhou; Spencer, Joel Q.; Derbyshire, Edward; Barnard, Patrick L. and Caffee, Marc W.**

Timing and style of late Quaternary glaciation in northeastern Tibet: **Geological Society of America Bulletin**, 115(11), p. 1356-1364, illus. incl. sects., 1 table, sketch map, 54 ref., November 2003. With GSA Data Repository Item 2003167.

**58001517**

**Corsetti, Frank A. (University of Southern California, Department of Earth Sciences, Los Angeles, CA) and Kaufman, Alan J.**

Stratigraphic investigations of carbon isotope anomalies and Neoproterozoic ice ages in Death Valley, California: **Geological Society of America Bulletin**, 115(8), p. 916-932, illus. incl. sects., strat. cols., 1 table, geol. sketch map, 124 ref., August 2003.

**58001518**

**Hambrey, Michael J. (University of Wales, Institute of Geography and Earth Sciences, Aberystwyth, United Kingdom); Webb, Peter-Noel; Harwood, David M. and Krissek, Lawrence A.**

Neogene glacial record from the Sirius Group of the Shackleton Glacier region, central Transantarctic Mountains, Antarctica: **Geological Society of America Bulletin**, 115(8), p. 994-1015, illus. incl. sects., strat. cols., 3 tables, geol. sketch maps, 74 ref., August 2003.

**58001541**

**Christensen, H. H.; Mastrandiono, L.; Gordon, J. C. and Bormann, B. T.**

Alaska's Copper River; humankind in a changing world: **USDA Forest Service General Technical Report PNW**, Rep. No. FSGTR-PNW-480, 36 p., July 30, 2000. *Available from:* National Technical Information Service, (703)685-6900, order number PB2000-108074NEG, Springfield, VA, United States. Forest Service general technical report.

**58001542**

**Manzyrev, D. V.**

Mekhanizm i dinamika kriosoliflyuktsionnogo smeshcheniya dispersnykh porod (na primere Zabaikal'ia) [Mechanism and dynamics of cryosolifluction displacement of dispersible rocks; example from Transbaikalia]: 130 p., illus. incl. 11 tables, 134 ref., Master's, June 29, 2000, Rossiiskaia Akademiiia Nauk, Sibirskoe Otdelenie, Institut Zemnoi Kory, Irkutsk, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200014853.

**58001543**

**Kholoshin, E. P., leader (GU "Dal'nevostochnyy Nauchno-Issledovatel'skii, Proektno-Konstruktorskii i Tekhnologicheskii Institut po Stroitel'stvu", Russian Federation).**

Nauchnaia kontseptsiiia sistemy snizheniiia stroitel'nogo riska v zone vechnoi merzloty iuga Dal'nego Vostoka [Scientific concept on the system of building risk mitigation in the permafrost zone of the southern Russian Far East]: Rep. No. 02200005771, 39 p., 44 ref., October 12, 2000. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Intermediate report.

**58001544**

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

Issledovanie mekhanizmov formirovaniia stroenii torosistykh obrazovanii, postroenie nomogramm mekhanicheskikh kharakteristik l'da Karskogo morya, razrabotka metodov provedeniia krupnomasshtabnykh ispytanii prochnosti morskogo l'da, modelei i algoritmov deformirovaniia l'da i diagnostiki ego sostoianiiia [Study of formation mechanisms of hummock formation structure, construction of nomograms of Kara Sea ice mechanical characteristics, development of methods of large-scale tests of sea ice strength, models and algorithms of ice deformability and its state diagnostics]: Rep. No. 02200100539, 173 p., illus. incl. 13 tables, 81 ref., January 25, 2001. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Intermediate report.

**58001545**

**Shevchenko, V. P.**

Aerozoli; vliyanie na osadkonakoplenie i usloviia sredy v Arktike [Aerosols and their influence on sedimentation and environmental conditions in the Arctic]: 213 p., illus. incl. 44 tables, 352 ref., Master's, June 6, 2000, Rossiiskaia Akademia Nauk, Institut Okeanologii, Moscow, Russian Federation. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200016831.

**58001546**

**Bogdanov, A. V.**

Avtomatizirovannaia klassifikatsiia sputnikovykh RSA-izobrazhenii dlya tselei monitoringa ledovogo pokrova arkticheskikh morei [Computer-aided classification of satellite RSA-images for monitoring of Arctic ice sheets]: 176 p., illus. incl. 15 tables, 99 ref., Master's, June 29, 2000, Sankt-Peterburgskii Gosudarstvennyy Universitet, Saint Petersburg, Russian Federation. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200017588.

**58001547**

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

Issledovanie nizhnikh gorizontov lednikovogo pokrova Antarktidy [Studying lower horizons of Antarctic ice sheet]: Rep. No. 02200100536, 20 p., illus., 13 ref., January 25, 2001. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Final report.

**58001548**

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

Obosnovanie i razrabotka ekologicheskoi chistoi tekhnologii dlya proniknoveniia v podlednoe ozero Vostok (Antarktida) [Substantiation and development of environmental-oriented technology for penetration into the subglacial Lake Vostok, Antarctica]: Rep. No. 02200100537, 73 p., illus. incl. 4 tables, 31 ref., January 25, 2001. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Final report.

**58001549**

**Malikova, D. R.**

Chislennoe modelirovaniye strukturnoi dinamiki lednikovogo pokrova [Simulation of structural dynamics of glacier cover]: 164 p., illus. incl. 5 tables, 115 ref., Master's, June 23, 2000, Kazanskii Gosudarstvennyy Universitet, Kazan, Russian Federation. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200017167.

**58001550**

**Elina, G. A. (Rossiiskaia Akademia Nauk, Karel'skii Nauchnyy Tsentr, Institut Biologii, Petrozavodsk, Russian Federation).**

Kartografirovaniye rastitel'nosti pozdnelednikov'ia-golotsena na vostoke Fennoskandii v sootvetstviyu s paleogeografeskoi situatsiei [Mapping of late glacial-Holocene vegetation according to paleogeographical environment in eastern Fennoscandia]: Rep. No. 02200101359, 59 p., illus. incl. table, 66 ref., February 13, 2001. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Final report.

**58001551**

**Zubakin, G. K., leader (Gosudarstvennyy Nauchnyy Tsentr "Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut", Saint Petersburg, Russian Federation).**

Struktura i dinamika ledovykh obrazovanii v zamerzaiushchikh moryakh Rossii i ikh vozdeistvie na prirodnyi sredu [Structure and dynamics of ice formations in freezing seas of Russia and their impact on the environment]: Rep. No. 02200102214, 238 p., illus. incl. 23 tables, 148 ref., February 26, 2001. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Final report.

**58001552**

**Savatyugin, L. M., leader (Gosudarstvennyy Nauchnyy Tsentr Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation).**

Issledovanie podlednikovogo ozera Vostok [Study of Vostok subglacial lake, Antarctica]: Rep. No. 02200101944, 80 p., illus. incl. 3 tables, 41 ref., February 20, 2001. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Intermediate report.

**58001553**

**Mirenburg, Iu. S. (Sankt-Peterburgskii Gosudarstvennyy Gornyy Universitet, Vorkutinskii Filial, Vorkuta, Russian Federation).**

Uchet vliianiia peremennosti nagruzok i temperatury na nesushchuiu sposobnost' merzlykh osnovanii [Calculating influence of load pressure and temperature variation on bearing capacity of frozen foundations]: **Osnovaniia, Fundamenty i Mekhanika Gruntov**, 2001(5), p. 23-28, illus., 10 ref., October 2001.

**58001554**

**Kosovtsova, T. I. and Maksimov, E. V.**

Paradoksy khronologii v stadial'nosti gornykh lednikov; na primere Shtubaiskikh Al'p [Paradox stage of chronology disintegration of Stubai Alps glaciers]: **Vestnik Sankt-Peterburgskogo Universiteta. Seriia 7, Geologiya, Geografiya**, 2000(2(15)), p. 101-107 (English sum.), illus. incl. 3 tables, 13 ref., June 2000.

**58001555**

**Breckenridge, Roy M. (Idaho Geological Survey, ID) and Othberg, Kurt L.**

Field trip guide; glacial Lake Missoula flood deposits and related features of the Rathdrum Prairie, Idaho: *in* Out of the flood and into the panhandle; northern Idaho geology; proceedings from the 26th annual Tobacco Root Geological Society field conference (Lageson, David R., editor; *et al.*), **Northwest Geology**, 30, p. 62-66, sketch map, 1 ref., 2001. *Meeting*: Aug. 2-5, 2001, Wallace, ID.

**58001556**

**Dionne, Jean-Claude (Université Laval, Département de Géographie et Centre d'Études Nordiques, Quebec City, PQ, Canada).**

Observations géomorphologiques sur les méga-blocs d'un schorre à Spartina alterniflora, estuaire maritime du Saint-Laurent, Québec [Geomorphic observations on the megaboulders in a Spartina alterniflora tidal marsh, lower Saint Lawrence Estuary, Quebec]: **Géomorphologie**, 2001(4), p. 243-255 (English sum.), illus. incl. sect., 12 tables, geol. sketch map, 46 ref., December 2001.

**58001557**

**Rothrock, D. A. (University of Washington, Applied Physics Laboratory, Seattle, WA);**

**Zhang, J. and Yu, Y.**

The arctic ice thickness anomaly of the 1990s; a consistent view from observations and models: **Journal of Geophysical Research, C, Oceans**, 108(3), 10 p., illus. incl. 4 tables, geol. sketch maps, 26 ref., March 15, 2003.

**58001558**

**Stramska, Malgorzata (University of Southern California, Hancock Institute for Marine Studies, Los Angeles, CA) and Petelski, Tomasz.**

Observations of oceanic whitecaps in the north polar waters of the Atlantic: **Journal of Geophysical Research, C, Oceans**, 108(3), 10 p., illus. incl. geol. sketch map, 55 ref., March 15, 2003.

**58001559**

**Hohmann, R. (Lamont-Doherty Earth Observatory, Palisades, NY); Schlosser, P. and Huber, B.**

Helium 3 and dissolved oxygen balances in the upper waters of the Weddell Sea; implications for oceanic heat fluxes: **Journal of Geophysical Research, C, Oceans**, 108(3), 18 p., illus. incl. geol. sketch map, 2 tables, sects., 57 ref., March 15, 2003.

**58001560**

**Nikolopoulos, Anna (Stockholm University, Department of Meteorology/Physical Oceanography, Stockholm, Sweden); Borenas, Karin; Hietala, Riikka and Lundberg, Peter.**

Hydraulic estimates of Denmark Strait overflow: **Journal of Geophysical Research, C, Oceans**, 108(3), 12 p., illus. incl. geol. sketch map, sects., 37 ref., March 15, 2003.

**58001561**

**Fichefet, Thierry (Université Catholique de Louvain, Institut d'Astronomie et Géophysique Georges Lemaître, Louvain-la-Neuve, Belgium); Tartinville, Benoit and Goosse, Hugues.**

Antarctic sea ice variability during 1958-1999; a simulation with a global ice-ocean model: **Journal of Geophysical Research, C, Oceans**, 108(3), 11 p., illus. incl. geol. sketch maps, 82 ref., March 15, 2003.

**58001562**

**Ogura, Takahiro (Japan Broadcasting Corporation, Kitami Broadcast Department, Hokkaido, Japan); McElwaine, James and Nishimura, Kouichi.**

Drag forces and ping-pong ball avalanches: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(2), p. 117-125, (Japanese) (English sum.), illus., 11 ref., March 2003.

**58001563**

**Kamimura, Seiji (Nagaoka University of Technology, Department of Mechanical Engineering, Niigata, Japan) and Toita, Takayuki.**

Concept of electric power output control system for atomic power generation plant utilizing cooling energy of stored snow: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(2), p. 127-134, (Japanese) (English sum.), 1 table, 10 ref., March 2003.

**58001564**

**Kamimura, Seiji (Nagaoka University of Technology, Department of Mechanical Engineering, Niigata, Japan).**

Risk analysis on snow-related casualty cases in Niigata Prefecture: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(2), p. 135-144, (Japanese) (English sum.), illus. incl. 4 tables, 12 ref., March 2003.

**58001565**

**Fukuzawa, Yoshifumi (Civil Engineering Research Institute of Hokkaido, Hokkaido, Japan) and Kajiya, Yasuhiko.**

Numerical simulation of effect of size of narrow snowbreak woods: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 65(2), p. 145-151, (Japanese) (English sum.), illus. incl. 3 tables, 9 ref., March 2003.

**58001566**

**Asmus, V. V. (Russian Federal Hydrometeorological Service, Planeta Scientific Research Center for Space Hydrometeorology, Russian Federation); Milekhin, O. Ye.; Krovotyntsev, V. A. and Selivanov, A. S.**

Use of radar data from Okean-series satellites in hydrometeorology and environmental monitoring: **Mapping Sciences and Remote Sensing**, 40(1), p. 17-28, illus. incl. sketch maps, 17 ref., March 2003.

**58001567**

**Trofimova, I. Ye. (Russian Academy of Sciences, Institute of Geography, Irkutsk, Russian Federation).**

Classification and mapping of climates of the Baykal mountain-basin system: **Mapping Sciences and Remote Sensing**, 40(1), p. 66-78, illus. incl. 1 table, sketch map, 14 ref., March 2003.

**58001568**

**Ikeda, Atsushi (University of Tsukuba, Ibaraki, Japan) and Matsuoka, Norikazu.**

Creep properties of a small rock glacier on the lower limit of mountain permafrost [abstr.]: *in Abstracts of papers presented at the spring meeting of the JGU, May 2003, Chikei = Transactions - Japanese Geomorphological Union*, 24(3), p. 324, (Japanese), July 2003. *Meeting*: May 31-June 1, 2003, Osaka, Japan.

**58001569**

**Bahk, Jang Jun (Korea Ocean Research and Development Institute, Global Environment Research Laboratory, Seoul, South Korea); Yoon, Ho Il; Kim, Yeadong; Kang, Cheon Yun and Bae, Sung Ho.**

Microfabric analysis of laminated diatom ooze (Holocene) from the eastern Bransfield Strait, Antarctic Peninsula: **Geosciences Journal (Seoul)**, 7(2), p. 135-142, illus. incl. 1 table, sketch map, 31 ref., June 2003.

**58001570**

**Funaki, Minoru (National Institute of Polar Research, Tokyo, Japan); Ishikawa, Naoto; Yamazaki, Akita; Matsuda, Takaaki and Dolinsky, Peter.**

Report on earth science studies in the Mt. Riiser-Larsen area, Amundsen Bay, Enderby Land, 2000-2001 (JARE-42): **Nankyoku Shiryo = Antarctic Record**, 47(1), p. 1-22, (Japanese) (English sum.), illus. incl. 5 tables, sketch maps, 10 ref., March 2003.

**58001571**

**Motoyoshi, Yoichi (National Institute of Polar Research, Tokyo, Japan) and Katsuta, Yutaka.**

Reconnaissance surveys for a possible runway at east of Langhovde in 2001 by JARE-42 and 2002 by JARE-43: **Nankyoku Shiryo = Antarctic Record**, 47(1), p. 23-31, (Japanese) (English sum.), illus., 6 ref., March 2003.

**58001572**

**Miyamachi, Hiroki (Kagoshima University, Department of Earth and Environmental Sciences, Kagoshima, Japan); Toda, Shigeru; Matsushima, Takeshi; Takada, Masamitsu; Takahashi, Yasuhiro; Kamiya, Daisuke; Watanabe, Atsushi; Yamashita, Mikiya and Yanagisawa, Morio.**

A seismic refraction and wide-angle reflection exploration in 2002 on the Mizuho Plateau, East Antarctica; outline of observations (JARE-43): **Nankyoku Shiryo = Antarctic Record**, 47(1), p. 32-71, (Japanese) (English sum.), illus. incl. 5 tables, sketch map, 6 ref., March 2003.

**58001573**

**Watanabe, Atsushi (Kyushu University, Department of Earth and Planetary Sciences, Fukuoka, Japan); Ishizaki, Norio; Yanagisawa, Morio and Miyamachi, Hiroki.**

Ice drilling for blasting boreholes in deep seismic surveys (JARE-43) by steam type drilling system: **Nankyoku Shiryo = Antarctic Record**, 47(1), p. 72-81, (Japanese) (English sum.), illus. incl. 2 tables, sketch map, 9 ref., March 2003.

**58001574**

**Li Li (University of Science and Technology of China, School of Earth and Space Sciences, Hefei, China) and Chen Chuxin.**

Ice-volcanism due to tidal stress on Europa: **Chinese Science Bulletin**, 48(13), p. 1390-1392, 12 ref., July 2003.

**58001575**

**Ricking, Mathias (Free University of Berlin, Department of Earth Sciences, Berlin, Federal Republic of Germany) and Schulze, Tobias.**

Deep-freeze sampling methods for soft sediments: *in* Contaminated sediments; characterization, evaluation, mitigation/restoration, and management strategy performance (Locat, Jacques, editor; *et al.*), **ASTM Special Technical Publication. STP**, 1442, p. 28-34, illus., 6 ref., 2003. *Meeting*: Second international symposium, May 26-28, 2003, Quebec City, PQ, Canada.

**58001576**

**Chang, Dave Ta-Teh (Chung Yuan Christian University, Civil Engineering Department, Chung Li, Taiwan); Sung, Chao-Ping; Chen, Bor-Ling and Ho, Nuan-Hsuan.**

Durability study for geotextile tube use in Taimu River sediment control: *in* Contaminated sediments; characterization, evaluation, mitigation/restoration, and management strategy performance (Locat, Jacques, editor; *et al.*), **ASTM Special Technical Publication. STP**, 1442, p. 156-166, illus. incl. 1 table, 6 ref., 2003. *Meeting*: Second international symposium, May 26-28, 2003, Quebec City, PQ, Canada.

**58001577**

**Klingbjer, Per (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden) and Moberg, Anders.**

A composite monthly temperature record from Tornedalen in northern Sweden, 1802-2002: **International Journal of Climatology**, 23(12), p. 1465-1494, illus. incl. 5 tables, sketch maps, 21 ref., October 2003. Includes appendix.

**58001578**

**Moberg, Anders (University of East Anglia, Climatic Research Unit, Norwich, United Kingdom); Alexandersson, Hans; Bergstrom, Hans and Jones, Philip D.**

Were southern Swedish summer temperatures before 1860 as warm as measured?: **International Journal of Climatology**, 23(12), p. 1495-1521, illus. incl. 11 tables, 31 ref., October 2003. Includes 2 appendices.

**58001579**

**Johansson, Barbro (Swedish Meteorological and Hydrological Institute, Norrkoping, Sweden) and Chen, Deliang.**

The influence of wind and topography on precipitation distribution in Sweden; statistical analysis and modelling: **International Journal of Climatology**, 23(12), p. 1523-1535, illus. incl. 6 tables, sketch map, 33 ref., October 2003.

**58001580**

**Brahmananda Rao, V. (Centro de Previsao de Tempo e Estudos Climaticos, Instituto Nacional de Pesquisas Espaciais, Sao Jose dos Campos, Brazil); do Carmo, Alexandre M. C. and Franchito, Sergio H.**

Interannual variations of storm tracks in the Southern Hemisphere and their connections with the Antarctic Oscillation: **International Journal of Climatology**, 23(12), p. 1537-1545, illus., 30 ref., October 2003.

**58001581**

**Swithinbank, Charles (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom); Williams, Richard S., Jr.; Ferrigno, Jane G.; Foley, Kevin M.; Hallam, Cheryl A. and Rosanova, Christine E.**

Coastal-change and glaciological map of the Saunders Coast area, Antarctica; 1972-1997: **Geologic Investigations Series - U. S. Geological Survey**, U. S. Geological Survey, Reston, VA, Rep. No. I-2600-G, 9 p. 1 sheet, illus. incl. 2 tables; colored glacial geology map, 1:1,000,000, 38 ref., 2003. *Available from:* U. S. Geol. Surv., Denver, CO, United States. (Prepared in cooperation with the Scott Polar Research Institute, University of Cambridge, United Kingdom).

**58001582**

**Vidyapin, I. Iu.**

Mekhanizm i zakonomernosti formirovaniia vlagoprovodnykh svoistv merzloj zony promerzaiushchikh gruntov [Mechanism and principles of formation of moisture-conducting properties of a frozen zone in freezing soils]: 171 p., 106 ref., Master's, December 17, 1999, Moskovskii Gosudarstvenny Universitet, Moscow, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. VNTITs doc. N 04200013737.

**58001583**

**Shesternev, D. M.**

Nauchno-metodicheskie osnovy otsenki vozdeistviia kriogenного vyvetrivanija na fiziko-tehnicheskie svoistva massivov gornykh porod [Scientific grounds for assessment of cryogenic weathering action on physical engineering properties of rock mass]: 301 p., 196 ref., Doctoral, May 5, 2000, Chitinskii Gosudarstvenny Tekhnicheskii Universitet, Chita, Russian Federation. *Available from:* Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. VNTITs doc. N 05200003419.

**58001584**

**Velichko, A. A., editor.**

Izmenenie klimata i landshaftov za poslednie 65 millionov let; kainozoi; ot paleotsena do golotsena [Climate and environment changes during last 65 Ma; Cenozoic, from Paleocene to Holocene]: GEOS, Moscow, Russian Federation, 260 p. (English sum.), illus. incl. strat. cols., 3 tables, sketch maps, 726 ref., 1999. ISBN: 5-89118-083-9. Individual chapters are cited separately.

**58001585**

**Velichko, A. A. and Nechaev, V. P.**

Metody paleoklimaticeskikh rekonstruktii [Methods of paleoclimatic reconstructions]: *in* Izmenenie klimata i landshaftov za poslednie 65 millionov let; kainozoi; ot paleotsena do golotsena (Velichko, A. A., editor), GEOS, Moscow, Russian Federation, p. 8-20, 1999.

**58001586**

**Lavrushin, Iu. A. and Alekseev, M. N.**

Arktichekie rayony [Arctic regions]: *in* Izmenenie klimata i landshaftov za poslednie 65 millionov let; kainozoi; ot paleotsena do golotsena (Velichko, A. A., editor), GEOS, Moscow, Russian Federation, p. 21-42, 1999.

**58001587**

**Kazantsev, V. V., leader (Khabarovskii Gosudarstvennyy Tekhnicheskii Universitet, Khabarovsk, Russian Federation).**

Kriolitomonitoring v oblasti razvitiia vysokotemperaturnoi vechnoi merzloty Dal'nego Vostoka i otsenka ekologicheskikh posledstvii zastroiki [Cryolithic monitoring in high temperature development in permafrost in Russian Far East and assessment of ecological consequences of urbanization]: Rep. No. 02950002063, 38 p., illus. incl. 6 tables, 20 ref., March 22, 1995. Available from: Vserossiiskii Nauchno-Tekhnicheskii Informatsionnyy Tsentr, Moscow, Russian Federation. Intermediate report.

**58001588**

**Astakhov, V. I.; Mangerud, Ia. and Svensen, Y. I.**

Pozdnepleistotsenovye lednikovye pokrovы Russkoi Arktiki; vozrast i konfiguratsiia [Upper Pleistocene glacial systems in Russian Arctic; age and configuration]: **Vestnik Sankt-Peterburorskogo Universiteta. Seriya 7, Geologiya, Geografiya**, 2000(1(7)), p. 3-14 (English sum.), illus. incl. sketch map, 52 ref., March 2000.

**58001589**

**Klene, Anna (University of Delaware, Department of Geography, Newark, DE).**

The N-factor in natural landscapes; relations between air and soil-surface temperatures in the Kuparuk River basin, Northern Alaska: **Publications in Climatology**, 53(1), 85 p., illus. incl. 11 tables, sketch maps, 116 ref., 2000.

**58001590**

**Kapitonova, T. A.**

Trudy mezhunarodnoi konfrentsii fiziko-tehnicheskie problemy severa [Physical and technical problems of the north; papers from international conference]: [unknown], Iakutsk, Russian Federation, 394 p., 2000. ISBN: 5-7862-0044-2. Meeting: Mezhunarodnya konferentsiia posvyashchennaia 30 godovshchine Instituta Fizicheskikh i Tekhnicheskikh Problem Severa, July 10-11, 2000, Iakutsk, Russian Federation. Individual papers within scope are cited separately.

**58001591**

**Henderson, Sandra (U. S. Environmental Protection Agency, Corvallis, OR) and Dixon, Robert K., editors.**

Management of the terrestrial biosphere to sequester atmospheric CO<sub>2</sub>: **Climate Research**, 3(1-2), 140 p., illus. incl. tables, sketch maps, August 30, 1993. Individual papers within scope are cited separately.

**58001592**

**Kolchugina, Tatyana P. (Oregon State University, Department of Civil Engineering, Corvallis, OR) and Vinson, Ted S.**

Carbon balance of the continuous permafrost zone of Russia: *in* Management of the terrestrial biosphere to sequester atmospheric CO<sub>2</sub> (Henderson, Sandra, editor; *et al.*), **Climate Research**, 3(1-2), p. 13-21, illus. incl. 2 tables, sketch map, 43 ref., August 30, 1993.

**58001593**

**Monserud, Robert A. (U. S. Department of Agriculture, Intermountain Research Station, Moscow, ID); Denissenko, Olga V. and Tchebakova, Nadja M.**

Comparison of Siberian paleovegetation to current and future vegetation under climate change: **Climate Research**, 3(3), p. 143-159, illus. incl. 3 tables, sketch maps, 73 ref., December 30, 1993.

**58001594**

**Gay, David A. (University of Virginia, Department of Environmental Sciences, Charlottesville, VA) and Davis, Robert E.**

Freezing rain and sleet climatology of the Southeastern USA: **Climate Research**, 3(3), p. 209-220, illus. incl. 1 table, sketch map, 34 ref., December 30, 1993.

**58001595**

**Holdgate, M. W. (Department of the Environment and of Transport, London, United Kingdom).**

Conservation in the Antarctic: *in* Global perspectives on ecology (Emmel, Thomas C.; *et al.*), Mayfield Publishing Company, Palo Alto, CA, p. 403-423, illus. incl. 2 tables, 27 ref., 1977. Abridged from Antarctic Ecology, Volume 2, edited by M. W. Holdgate (published for the Scientific Committee on Antarctic Research (SCAR) by Academic Press, London, New York, San Francisco). Ant. Acc. No: 8557; reprinted by permission of the author and the publisher, 1970.

**58001598**

**Hughes, Terrence J.**

Ice sheets: Oxford University Press, New York, NY, 343 p., illus. incl. geol. sketch maps, 608 ref., 1998. ISBN: 0-19-506964-1.