Tucker, Walter B., III (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Weatherly, John W.; Eppler, Duane T.; Farmer, L. Dennis and Bentley, Diane L.

Evidence for rapid thinning of sea ice in the western Arctic Ocean at the end of the 1980s: **Geophysical Research Letters**, 28(14), p. 2851-2854, illus. incl. geol. sketch map, 22 ref., July 15, 2001. CRREL Report No: ERDC/CRREL MP-01-5740

## 56000080

#### Recker, B. C.

Determining the value of groundwater contamination source removal; a methodology: Rep. No. AFIT/GEE/ENV/01M-15, 110 p., Master's, March 20, 2001, U. S. Air Force Inst. of Tech., Wright-Patterson AFB, OH, School of Engineering and Management, Wright-Patterson AFB, OH. *Available from:* National Technical Information Service, (703)487-4650, order number ADA390865NEG, Springfield, VA, United States.

## 56000122

## World Meteorological Organization.

WMO statement on the status of the global climate in 2000: **Publication - World Meteorological Organization**, Rep. No. 920, 11 p., illus. incl. sketch maps, 2001.

#### 56000213

Frederking, R. (National Research Council of Canada, Canadian Hydraulics Centre, Ottawa, ON, Canada); Kubat, I. and Timco, Garry W., editors.

16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings: **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, 1515 p., illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. In three volumes; individual papers are cited separately.

## 56000214

Lever, G. V. (Petro-Canada, St. John's, NF, Canada); Kean, J. R. and Muggeridge, K. J. Terra Nova FPSO on the Grand Banks of Canada: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 1, p. 3-20, illus. incl. 7 tables, sketch map, 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000215

Owen, Les (BP Pipelines (Alaska), Anchorage, AK); Blanchet, Denis and Flones, Peter. The Northstar Project; year-round production in the Alaskan Beaufort Sea: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 21-39, illus. incl. 2 tables, 18 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

-1- 2/19/02

# Falkingham, John C. (Environment Canada, Canadian Ice Service, Canada).

Ice information for marine operations; an outlook to the future: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 41-52, illus. incl. sketch maps, 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000217

## Kitagawa, H. (Ship & Ocean Foundation, Tokyo, Japan).

The history of applied ice research in Japan: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 53-70, illus., 56 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Includes appendix.

## 56000218

# Loset, Sveinung (Norwegian University of Science and Technology, Department of Structural Engineering, Trondheim, Norway).

Research needs for the development of the Barents Sea: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 71-85, illus. incl. 1 table, sketch map, 34 ref., 2001. *Meeting*: Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000219

# Hunt, David M. (Mustang Engineering, Houston, TX); McClusky, Kimberly R.; Shirley, Richard and Spitzenberger, Robert.

Facility engineering for Arctic conditions: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 89-98, illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

## 56000220

Gadd, Peter E. (Coastal Frontiers Corporation, Chatsworth, CA); Hearon, Gregory E.; Leidersdorf, Craig B.; McDougal, William G.; Ellsworth, John and Thomas, David.

Slope armor design and construction Northstar Production Island: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 1, p. 99-107, illus. incl. 3 tables, sketch map, 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

2/19/02 - 2 -

Masterson, D. M. (Sandwell Engineering, Calgary, AB, Canada); Christopherson, A. B. and Pickering, J. W.

Sheet pile design for offshore gravel islands: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 109-121, illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

#### 56000222

# Lanan, Glenn A. (INTEC Engineering, Houston, TX) and Ennis, John O.

Northstar Offshore Arctic Pipeline Project: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 123-132, illus. incl. 2 tables, sketch maps, 12 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

## 56000223

Paulin, Michael J. (INTEC Engineering, Houston, TX); Nixon, Derick; Lanan, Glenn A. and McShane, Brian.

Environmental loadings & geotechnical considerations for the Northstar offshore pipelines: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 133-144, illus., 15 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

# 56000224

Leidersdorf, Craig B. (Coastal Frontiers Corporation, Chatsworth, CA); Hearon, Gregory E.; Hollar, Ricky C.; Gadd, Peter E. and Sullivan, Terry C.

Ice gouge and strudel scour data for the Northstar Pipelines: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 145-154, illus. incl. 2 tables, sketch map, 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

## 56000225

Goff, Richard (Anchar Engineering Services, Houston, TX); Hammond, John and Nogueira, André C.

Northstar sub sea pipeline design of metallurgy, weldability, and supporting full scale bending tests: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 155-165, illus. incl. 1 table, 11 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

-3- 2/19/02

Masterson, D. M. (Sandwell Engineering, Calgary, AB, Canada) and Spencer, P. A. The Northstar on-ice operation: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 1, p. 167-182, illus. incl. 2 tables, 13 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D.

Blanchet and D. Masterson.

#### 56000227

Spencer, P. A. (Sandwell Engineering, Calgary, AB, Canada); Masterson, D. M. and Yockey, K. E.

Floating sea ice road strength from Borehole Jack data; Northstar 2000: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 183-192, illus. incl. 4 tables, 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

#### 56000228

Dickins, D. (DF Dickins Associates, Escondido, CA); Hearon, Gregory E. and Vaudrey, K. Sea ice overflood in Stefansson Sound, Alaskan Beaufort Sea: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 1, p. 193-200, illus. incl. 1 table, sketch map, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

## 56000229

# Miller, Duane L. (Duane Miller & Associates, Anchorage, AK).

Hypersaline permafrost under a lagoon of the Arctic Ocean: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 201-208, illus. incl. sketch map, 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Northstar development offshore Alaska; special session organized by D. Blanchet and D. Masterson.

## 56000230

# Weiss, R. T. (Kellogg Brown & Root, Canada); Wright, Brian and Rogers, B.

In-ice performance of the Molikpaq off Sakhalin Island: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 211-222, illus., 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 4 -

# Truskov, Pavel A. (Sakhalin Energy, Moscow, Russian Federation); Vershinin, S. A.; Kouzmitchev, K. V. and Tazov, D. N.

Substantiation of the design parameters of ice features for load calculations acting on Sakhalin offshore structures (South Sakhalin): *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 223-232, illus. incl. 6 tables, 16 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000232

# Marko, J. R. (ASL Environmental Sciences, Sidney, BC, Canada).

Large waves in thick interior Sakhalin pack ice: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 233-242, illus. incl. 1 table, sketch map, 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000233

# Keinonen, Arno (AKAC, Victoria, BC, Canada) and Truskov, Pavel A.

Offshore operations in ice for Sakhalin 2, Phase 1: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 243-244, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000234

## Surkov, G. A. (Sakhalin Oil and Gas Institute, Sakhalinsk, Russian Federation).

Thickness of the consolidated layer in first-year hummocks: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 245-252, illus., 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000235

Evers, Karl-Ulrich (Hamburgische Schiffbau-Versuchsanstalt GmbH, Hamburg, Federal Republic of Germany); Spring, Walt; Foulkes, John; Kuehnlein, Walter and Jochmann, Peter.

Ice model testing of an exploration platform for shallow waters in the North Caspian Sea: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 255-264, illus. incl. 1 table, sketch map, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Development of the Caspian Sea with ice conditions; special session organized by W. Spring and R. Abdelnour.

- 5 - 2/19/02

Arpiainen, Matti (Kvaerner Masa-Yards Arctic Technology, Helsinki, Finland); Mattsson, Tom; Veldman, Koos and Wilkman, Goran.

Model tests with icebreaking barges for operation in the northern Caspian Sea: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 265-274, illus., 1 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Development of the Caspian Sea with ice conditions; special session organized by W. Spring and R. Abdelmour.

#### 56000237

Bukharitsin, P. I. (Russian Academy of Science, Institute of Water Problems, Moscow, Russian Federation).

Physical-statistical methods of estimation and prognosis of the winter hydrological regime elements in the northern Caspian Sea: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 275-282, 19 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Development of the Caspian Sea with ice conditions; special session organized by W. Spring and R. Abdelnour.

#### 56000238

## Brown, T. G. (University of Calgary, Calgary, AB, Canada).

Four years of ice force observations on the Confederation Bridge: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 285-298, illus. incl. 1 table, 11 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Environmental loads on the Confederation Bridge; special session organized by T. Brown and M. Cheung.

## 56000239

# Bruce, J. R. (IFN Engineering, Calgary, AB, Canada) and Brown, T. G.

Operating an ice force monitoring system on the Confederation Bridge: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 299-308, 1 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Environmental loads on Confederation Bridge; special session organized by T. Brown and M. Cheung.

## 56000240

Zhang, M. (Carleton University, Department of Civil and Environmental Engineering, Ottawa, ON, Canada); Lau, D. T. and Cheung, M. S.

Processing of the dynamic monitoring data of the Confederation Bridge: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 309-318, illus. incl. 1 table, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Environmental loads on the Confederation Bridge; special session organized by T. Brown and M. Cheung.

2/19/02 - 6 -

# Kubat, I. (Canadian Hydraulics Centre, Ottawa, ON, Canada) and Frederking, R.

Response of Confederation Bridge to ice forces; 2000 winter season: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 319-328, illus. incl. 2 tables, 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000242

Mayne, D. C. (University of Calgary, Department of Civil Engineering, Calgary, AB, Canada); Lau, Michael and Brown, T. G.

Analysis and comparison of flexural failure models: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 329-338, illus. incl. 1 table, 13 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Environmental loads on the Confederation Bridge; special session organized by T. Brown and M. Cheung.

#### 56000243

Prinsenberg, Simon J. (Bedford Institute of Oceanography, Department of Fisheries and Oceans, Dartmouth, NS, Canada) and Peterson, I. K.

Pack ice thickness and concentration measurements from the area around the Confederation Bridge (Canada) using helicopter-borne sensors: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 339-348, illus. incl. sketch map, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Environmental loads on the Confederation Bridge; special session organized by T. Brown and M. Cheung.

## 56000244

Belliveau, Donald J. (Bedford Institute of Oceanography, Department of Fisheries and Oceans, Dartmouth, NS, Canada); Hayden, Helen and Prinsenberg, Simon J.

Ice drift and draft measurements from moorings at the Confederation Bridge: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 349-358, illus., 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Environmental loads on the Confederation Bridge; special session organized by T. Brown and M. Cheung.

## 56000245

Lemée, E. M. (University of Calgary, Calgary, AB, Canada); Bruce, J. R. and Brown, T. G. Ice ridge encounter rates for the Confederation Bridge: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 359-366, illus. incl. 3 tables, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Environmental loads on the Confederation Bridge; special session organized by T. Brown and M. Cheung.

- 7 - 2/19/02

## Nevel, Don (Conoco, Houston, TX).

First year ice ridges acting on conical structures: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 369-374, illus., 3 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000247

# Vershinin, S. A. (VNIPIMorneftegas, Moscow, Russian Federation); Kouzmitchev, K. V. and Tazov, D. N.

Structure-pressure ridge interaction: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 375-383, illus., 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000248

# Hayakawa, Tetsuya (Civil Engineering Research Institute, Sapporo, Japan); Yamamoto, Yasuji; Kawai, Kunihiro; Hanada, Masakuni and Saeki, Hiroshi.

Ice floe impact interaction with pile structures on vertical breakwaters: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 385-392, illus., 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000249

## Fransson, Lennart (Lulea University of Technology, Lulea, Sweden).

Some observations of continuous and intermittent crushing failure of ice: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 393-402, illus. incl. 1 table, 19 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000250

# Vershinin, S. A. (VNIPIMorneftegas, Moscow, Russian Federation); Kouzmitchev, K. V. and Tazov, D. N.

Dynamic ice loads on vertical structures: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 403-412, illus., 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000251

# Yue Qianjin (Dalian University of Technology, Dalian, China); Xi Zhang; Bi Xiangjun and Shi Zhongming.

Measurements and analysis of ice induced steady state vibration: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 413-420, illus., 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 8 -

Smirnov, Victor N. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation).

Mechanism of dynamic loads in sea ice during shearing failure: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 421-429, illus. incl. 1 table, sketch map, 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000253

Lau, Michael (Memorial University of Newfoundland, C-CORE, St. John's, NF, Canada). A three dimensional discrete element simulation of ice sheet impacting a 60° conical structure: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 1, p. 431-440, illus. incl. 2 tables, 24 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000254

Surkov, G. A. (Sakhalin Oil and Gas Institute, Sakhalinsk, Russian Federation).

Loads on cylindrical support structures due to first-year hummocks: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 441-449, illus. incl. 1 table, 18 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000255

Allyn, Norman (Westmar Consultants, North Vancouver, BC, Canada); Lima, Scott; Croasdale, Ken R.; Wright, Brian and Jordaan, Ian.

Application of offshore codes to the Grand Banks region: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 453-467, illus. incl. 1 table, 11 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Application of offshore codes for ice conditions; special session organized by I. Jordaan and N. Allyn.

## 56000256

Bobby, W. (Canada-Newfoundland Offshore Petroleum Board, Canada); Pike, H. and Burley, D.

Administering safety for operations in ice in the Newfoundland offshore area: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 469-478, illus., 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Application of offshore codes for ice conditions; special session organized by I. Jordaan and N. Allyn.

- 9 - 2/19/02

Ottesen Hansen, N. E. (LIC Engineering, Copenhagen, Denmark) and Gravesen, Helge. Engineering practice for ice force design in Denmark: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 1, p. 479-488, illus. incl. 2 tables, 11 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Application of offshore codes for ice conditions; special session organized by I. Jordaan and N. Allyn.

#### 56000258

# Maattanen, Mauri (Helsinki University of Technology, Helsinki, Finland).

Ice load design recommendations in Europe: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 489-491, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Application of offshore codes for ice conditions; special session organized by I. Jordaan and N. Allyn.

## 56000259

Bercha, Frank G. (Bercha Group, Calgary, AB, Canada); Cerovsek, Milan; Gibbs, P.; Brooks, C. and Radloff, E.

Arctic offshore EER systems: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 495-504, illus., 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000260

Barker, Anne (National Research Council of Canada, Canadian Hydraulic Centre, Ottawa, ON, Canada); Timco, Garry W. and Sayed, Mohamed.

Numerical simulation of the broken ice zone around the Molikpaq; implications for safe evacuation: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R.; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 1, p. 505-515, illus. incl. 2 tables, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000263

## Billette, Noël (Natural Resources Canada, OERD, Ottawa, ON, Canada).

Offshore oil and gas activities in the PERD program: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 529-539, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

### 56000264

Comfort, G. (Fleet Technology, Kanata, ON, Canada); Singh, S. and Spencer, D.

Moored vessel station-keeping in ice-infested waters; an assessment of model test data for various structures and ship shapes: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 541-552, illus. incl. 6 tables, 30 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 10 -

# Wright, B. (B. Wright & Associates, Canmore, AB, Canada).

Ice loads on the Kulluk in managed ice conditions: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 553-565, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000266

Akagawa, Satoshi (Hokkaido University, Sapporo, Japan); Saeki, Hiroshi; Takeuchi, Takahiro; Sakai, Masafumi; Matsushita, Hisao; Kamio, Zenji; Terashima, Takashi and Nakazawa, Naoki.

Medium-scale field ice indentation test; Winter 1996-2000 test program: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 567-576, illus. incl. 2 tables, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Includes appendix.

#### 56000267

# Yamauchi, Yutaka (NKK Engineering Research Center, Tsu City, Japan) and Kamesaki, Kazuhiko.

First year ridge acting on a vertical sided structure placed in shallow water: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 577-586, illus. incl. 4 tables, 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000268

## Kato, Kazuyuki (Kinki University, Uchidacho, Japan).

Evaluation of ice force equations by the Molikpaq data on February 17th, 1986: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 587-596, illus., 15 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000269

# Toyama, Y. (Mitsui Engineering & Shipbuilding Company, Chiba, Japan); Kato, Kazuyuki; Kamesaki, K.; Yamauchi, Yutaka and Kurokawa, A.

Ice and earthquake loads on a structure in offshore Sakhalin: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 597-606, illus., 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

-11 - 2/19/02

Hyodo, Masayuki (Yamaguchi University, Department of Civil Engineering, Ube, Japan); Yoshimoto, Norimasa; Hyde, Adrian F. L.; Yamane, Yuusuke; Fujii, Teruhisa; Kamesaki, Kazuhiko and Yamauchi, Yutaka.

Behaviour of offshore structure based on sand seabed subjected to ice and seismic loads by on-line dynamic response test: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 607-616, illus. incl. 1 table, 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000271

Sodhi, Devinder S. (U. S. Army Cold Regions Research and Engineering Laboratory, Engineering Research and Development Center, Hanover, NH); Takeuchi, Takahiro; Kawamura, Muneo; Nakazawa, Naoki and Akagawa, Satoshi.

Measurement of ice forces and interfacial pressure during medium-scale indentation tests in Japan: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** - **International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 617-626, illus. incl. 1 table, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5745

#### 56000272

Karna, Tuomo (VTT Building and Transport, Espoo, Finland); Rim, Chae Whan and Shkhinek, Karl N.

Global loads due to first-year ice ridges: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 627-638, illus., 15 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000273

Shkhinek, Karl N. (St. Petersburg State Technical University, St. Petersburg, Russian Federation) and Uvarova, Ekaterina.

Dynamics of the ice sheet interaction with the sloping structure: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 639-648, 21 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

### 56000274

Rogachko, S. I. (Moscow State University of Civil Engineering, Moscow, Russian Federation); Istomin, A. D. and Karna, Tuomo.

Indentation tests on lake ice: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 649-656, illus. incl. 1 table, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 12 -

Shkhinek, Karl N. (St. Petersburg Technical University, Saint Petersburg, Russian Federation); Karna, Tuomo; Kapustiansky, S. and Jilenkov, A.

Influence of ice speed and thickness on ice pressure and load: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 657-668, illus. incl. 1 table, 24 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Includes appendix.

#### 56000276

Schwarz, Joachim (Hamburgische Schiffbau-Versuchsanstalt GmbH, Hamburg, Federal Republic of Germany) and Jochmann, Peter.

Ice force measurements within the LOLEIF project: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 669-680, illus. incl. 3 tables, 13 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000277

# Niini, Mikko (Kvaerner Masa-yards, Helsinki, Finland).

Improvement of Arctic ships in the light of recent technological development: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 683-698, illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000279

Wright, Christopher (Mariport Group Technical & Business Development, Cambridge, ON, Canada) and Terblanche, Kobus.

Transportation fuels for the Arctic: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 699-708, illus. incl. 1 table, sketch map, 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000280

Wilkman, Goran (Kvaerner Masa-Yards, Helsinki, Finland); Backstrom, Magnus and Okko, Olli.

Transportation system for the export of gas-condensate from Ob Bay, western Siberia: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** - **International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol.

2, p. 709-718, illus. incl. sketch maps, 3 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

- 13 - 2/19/02

Juurmaa, Kimmo (Kvaerner Masa-Yards Arctic Technology, Helsinki, Finland); Mattson, Tom and Wilkman, Goran.

The development of the new double acting ships for ice operation: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 719-726, illus. incl. 1 table, 1 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000282

# Keane, T. (Canarctic Shipping, Montreal, PQ, Canada).

Operation of commercial shipping in the Arctic [abstr.]: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 727-728, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000283

Riska, Kaj (Helsinki University of Technology, Ship Laboratory, Espoo, Finland); Patey, M.; Kishi, S. and Kamesaki, K.

Influence of ice conditions on ship transit times in ice: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 729-745, illus. incl. 4 tables, 15 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000284

## Wright, Christopher (Mariport Group, Cambridge, ON, Canada).

Arctic navigation; the Canadian experience: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 747-758, illus. incl. 5 tables, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. Includes appendices.

## 56000285

Rupp, K. H. (HSVA, Hamburg, Federal Republic of Germany); Schulte, G. and Gehl, S. (Double) acting in ice: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 2, p. 759-768, illus. incl. 5 tables, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000286

Timco, Garry W. (National Research Council of Canada, Canadian Hydraulics Centre, Ottawa, ON, Canada) and Kubat, I.

Canadian ice regime system; improvements using an interaction approach: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 769-778, illus. incl. 2 tables, 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 14 -

# Daley, Claude G. (Memorial University of Newfoundland, St. John's, NF, Canada); Kendrick, A. and Appolonov, E.

Plating and framing design in the unified requirements for polar class ships: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 779-791, illus. incl. 1 table, 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000288

# Izumiyama, Koh (Ship Research Institute, Tokyo, Japan); Wako, Daisuke and Uto, Shotaro.

Ice pressure acting over a model ship hull: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 793-802, illus. incl. 2 tables, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000289

# Valanto, P. (Hamburg Ship Model Basin (HSVA), Hamburg, Federal Republic of Germany).

On the cause and distribution of resistance forces on ship hulls moving in level ice: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 803-813, illus., 12 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000290

# Dumont, Stéphane (Canadian Coast Guard, Hydraulics and Field Measurements, Quebec City, PQ, Canada); Siles, Jimmy and Dupuis, Lise.

The St. Lawrence River ice manager: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 817-826, illus. incl. sketch map, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000291

## Morse, Brian.

Winter navigation on the St. Lawrence River: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 827-837, illus. incl. sketch map, 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

- 15 - 2/19/02

Arpiainen, Matti (Kvaerner Masa-Yards Arctic Technology, Helsinki, Finland); Backstrom, Magnus; Salmi, Pekka; Suojanen, Reko-Antti; Wilkman, Goran; Kostiainen, Keijo and Holm, Olli.

Winter transportation possibilities through the inland water ways in Finland: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 839-848, illus. incl. 2 tables, sketch maps, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000293

Riska, Kaj (Helsinki University of Technology, Espoo, Finland); Leiviska, T.; Nyman, T.; Fransson, L.; Lehtonen, J.; Eronen, H. and Backman, A.

Ice performance of the Swedish multi-purpose icebreaker Tor Viking II: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 849-865, illus., 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000294

Salmi, Pekka (Kvaerner Masa-Yards Arctic Technology, Helsinki, Finland); Immonen, Sauli; Forsen, Ann-Cristin and Wilkman, Goran.

Development of a new bow form for operation in brash ice channels: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 867-875, illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000295

Keinonen, Arno (AKAC, Victoria, BC, Canada) and Lohi, Paavo.

Azimuth icebreakers for ice offshore: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 877-880, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000296

Leiviska, T. (Helsinki University of Technology, Ship Laboratory, Helsinki, Finland); Tuhkuri, J. and Riska, Kaj.

Model test on resistance in ice-free ice channels: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 881-890, illus. incl. 2 tables, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 16 -

Sodhi, Devinder S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Griggs, Douglas B. and Tucker, Walter B.

Ice performance tests of USCGC Healy: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 893-907, illus. incl. 2 tables, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5746

#### 56000298

Tucker, Walter (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Provost, Roger; Andrews, Jeff and Hutchinson, David.

Test site selection during the USCGC Healy ice trials: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 909-916, illus. incl. sketch map, 3 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5747

## 56000299

Iyerusalimskiy, Aleksandr V. (Science and Technology Corporation, Columbia, MD); Riska, Kaj and Minnick, Peter V.

USCGC Healy ice trials 2000 trafficability program: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 917-920, illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000300

Santos-Pedro, V. M. (Transport Canada, Ottawa, ON, Canada) and Timco, Garry W. Canadian involvement in the USCGC Healy ice trials: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 2, p. 921-933, illus. incl. sketch map, 13 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000301

Johnston, M. (National Research Council, Canadian Hydraulics Centre, Ottawa, ON, Canada); Gorman, R. and Timco, Garry W.

Ice regimes encountered during the USCGC Healy ice trials: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 935-944, illus. incl. sketch map, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

- 17 - 2/19/02

Jones, Stephen J. (National Research Council of Canada, Institute for Marine Dynamics, St. John's, NF, Canada); Kirby, Craig; Meadus, Chris; Tucker, Walter; Gagnon, John and Elder, Bruce.

Sea ice properties on the USCGC Healy ice trials: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 945-954, illus. incl. 3 tables, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5748

#### 56000303

Johnston, M. (National Research Council, Canadian Hydraulics Centre, Ottawa, ON, Canada); Timco, Garry W.; Frederking, R. and Miles, M.

Whole-ship motions of USCGC Healy as applied to global ice impact forces: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 955-964, illus., 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000304

St. John, James (Science and Technology Corporation, Columbia, MD); Tunik, Alfred; Riska, Kaj and Sheinberg, Rubin.

Forward shoulder ice impact loads during the USCGC Healy ice trials: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 965-967, illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

# 56000305

Lecourt, Everett J. (Rolls Royce Naval Marine, Pascagoula, MS); St. John, James and Wilkerson, Larry.

Propulsion system dynamics during the USCGC Healy ice trials: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 969-972, illus., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000306

Bullock, T. (AMEC, St. Johns, NF, Canada) and McClintock, J.

Greenland ice management 2000: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 975-985, illus. incl. 3 tables, sketch map, 3 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 18 -

Rudkin, Pip (P.A.L. Environmental Services, St. John's, NF, Canada) and Dugal, Roger. An evaluation of the multi-field ice management strategy used in support of Grand Banks oil operations: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 987-996, illus. incl. sketch map, 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000308

Hill, Brian T. (National Research Council Canada, Institute for Marine Dynamics, St. John's, NF, Canada).

Ship collisions with icebergs; an historical record of collisions in the seas around North America and Greenland: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 997-1006, illus. incl. 1 table, sketch map, 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. http://www.nrc.ca/imd/ice/

## 56000309

Liang, Bo (Memorial University of Newfoundland, Faculty of Engineering and Applied Science, St. John's, NF, Canada); Veitch, Brian and Daley, Claude G.

Iceberg stability and deterioration: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 1007-1016, illus., 13 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000310

Croasdale, Ken (K. R. Croasdale and Associates, Calgary, AB, Canada); Brown, Rob; Campbell, Patrick; Crocker, Greg; Jordaan, Ian; King, Tony; McKenna, Richard and Myers, Robert.

Iceberg risk to seabed installations on the Grand Banks: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 1019-1028, illus. incl. 4 tables, sketch map, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000311

Kioka, S. (Hokkaido University, Department of Hydraulic Engineering, Sapporo, Japan); Yasunaga, Y.; Matuo, Y.; Watanabe, Y. and Saeki, H.

Medium-scale model tests on ice gouge: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 1029-1038, illus. incl. 1 table, 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

- 19 - 2/19/02

Kioka, S. (Hokkaido University, Department of Hydraulic Engineering, Sapporo, Japan); Yasunaga, Y.; Matuo, Y. and Saeki, H.

Model tests on ice gouge events under various conditions: *in* 16th international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 2, p. 1039-1048, illus., 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000314

Beesley, John A. (Naval/National Ice Center, Washington, DC); Evanego, Craig J.; Garcia, Eugenia V. and Seymour, Paul A.

Utilization of the polar ice prediction system at the U.S. National Ice Center: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** - **International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol.

3, p. 1051-1059, sketch maps, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000315

Yao, Tom (Fisheries and Oceans Canada, Bedford Institute of Oceanography, Dartmouth, NS, Canada) and Carrieres, Tom.

Forecasting sea ice on the Canadian East Coast: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1061-1070, illus. incl. sketch maps, 11 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000316

Kubat, I. (National Research Council, Canadian Hydraulic Centre, Ottawa, ON, Canada) and Timco, Garry W.

Ground-truthing of ice-conditions predicted by the Canadian Ice Service: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1071-1080, illus. incl. sketch map, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000317

Pilkington, R. (Canatec Consultants, Calgary, AB, Canada); Brovin, A.; Keinonen, Arno and Truskov, P.

Real time ice management and forecasting in the Sea of Okhotsk: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1081-1086, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 20 -

# Sayed, Mohamed (National Research Council, Canadian Hydraulic Centre, Ottawa, ON, Canada); Savage, Stuart B. and Carrieres, Tom.

Examination of ice ridging methods using discrete particles: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1087-1096, illus., 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000319

# Yulin, A. V. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation); Frolov, S. V.; Klyachkin, S. V. and Smolyanitsky, V. M.

Hydrometeorological support of the RV Akademik Fedorov high latitude voyage in August/September 2000: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1097-1106, sketch maps, 2001. *Meeting*: Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000320

# Carrieres, Tom (Canadian Ice Service, Ottawa, ON, Canada); Sayed, Mohamed; Savage, Stuart B. and Crocker, Greg.

Preliminary verification of an operational iceberg drift model: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1107-1116, illus., 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000321

# Strübing, K. (Federal Maritime and Hydrographic Agency, Hamburg, Federal Republic of Germany); Garrity, C. and Ramseier, R. O.

On-line satellite ice data for marine operations; status and perspectives: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1119-1128, illus. incl. 1 table, sketch map, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000322

# Johnston, M. (National Research Council, Canadian Hydraulics Centre, Ottawa, ON, Canada).

Validation of RADARSAT imagery using in situ measurements from first year ridged ice: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1129-1138, illus. incl. sketch map, 17 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

- 21 - 2/19/02

Lane, Kelley (C-CORE, Canada); Power, Desmond; Youden, James; Randell, Charles and Flett, Dean.

Overview of iceberg detection cap capabilities of RADARSAT synthetic aperture radar: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1139-1148, illus. incl. 3 tables, sketch map, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000324

De Abreu, Roger (Meteorological Service of Canada, Canadian Ice Service, Ottawa, ON, Canada); Yackel, John; Barber, David and Arkett, Matthew.

Satellite monitoring of first year sea ice decay: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1149-1151, illus., 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000325

Yamaguchi, Hajime (University of Tokyo, Department of Environmental & Ocean Engineering, Tokyo, Japan); Miki, Tatsuji; Duan, Fengjun and Komura, Takashi.

Prediction of sea ice distribution using GIS with DMDF model: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1153-1162, illus. incl. 1 table, sketch maps, 20 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

# 56000326

Hughes, Nick (Scott Polar Research Institute, Cambridge, United Kingdom); Hall, Richard and Wadhams, Peter.

IceCam; a system for environmental monitoring and navigation in ice covered waters: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1163-1172, illus., 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000327

Tretyakov, V. Yu. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation); Frolov, S. V. and Yulin, A. V.

Diagnostics of ice conditions of navigation by the comparative analysis method on the basis of GIS-technologies: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1173-1177, illus. incl. sketch map, 1 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 22 -

# Gauthier, Marie-France (Canadian Ice Service, Meteorological Service of Canada, Ottawa, ON, Canada) and Dicaire, Claude.

Long range ice forecasting technique in the Canadian Arctic: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1181-1190, illus. incl. 2 tables, sketch maps, 3 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000329

# Falkingham, John C. (Environment Canada, Canadian Ice Service, Canada); Chagnon, Richard and McCourt, Steve.

Sea ice in the Canadian Arctic in the 21st century: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1191-1200, illus. incl. sketch map, 13 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000330

# Holloway, Greg (Institute of Ocean Sciences, Sidney, BC, Canada) and Sou, Tessa.

Is Arctic sea ice rapidly thinning?: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1201-1206, illus. incl. sketch maps, 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000331

# Smith, Orson P. (University of Alaska at Anchorage, School of Engineering, Anchorage, AK) and Lee, William J.

Risk analysis features of the Alaska sea ice atlas: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1207-1216, illus. incl. sketch maps, 16 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000332

#### Kliem, Nicolai (Danish Meteorological Institute, Copenhagen, Denmark).

A sea ice forecasting system for the waters around Greenland: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1217-1226, illus. incl. 1 table, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000333

Wang, Jia (University of Alaska at Fairbanks, International Arctic Research Center-FRSGC, Fairbanks, AK); Jin, Meibing; Saucier, François J. and Ikeda, Moto.

General circulation and transport in the pan Arctic and North Atlantic Ocean: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1227-1235, illus. incl. sketch maps, 28 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

# Yegorov, A. G. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation).

Ice anomaly formation in the Siberian shelf seas and the 11-year cycle of the solar activity: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** - **International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1237-1243, illus. incl. 2 tables, sketch maps, 4 ref., 2001. *Meeting*: Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000335

# DeFranco, S. (BP America, Houston, TX); Blanchet, Denis and Pritchard, R.

Pechora Sea ice motions: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1247-1259, illus. incl. sketch maps, 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000336

Hopkins, Mark (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Tucker, Walter B., III and Mulherin, Nathan D.

Simulating ice drift in Cook Inlet, Alaska: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1261-1264, illus., 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5749

## 56000337

Mironov, Ye. U. (State Research Center of the Russian Federation, Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation) and Spichkin, V. A.

Dangerous and unfavorable ice phenomena in the development of hydrocarbon fields on the shelf of the Pechora and Kara seas: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1265-1274, 4 tables, sketch map, 15 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

### 56000338

Lee, William J. (University of Alaska at Anchorage, Anchorage, AK) and Smith, Orson P. A GIS-based Alaska sea ice atlas: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 3, p. 1275-1283, illus. incl. sketch maps, 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 24 -

Frolov, S. V. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation); Timofeev, O. and Krupina, N.

Peculiarities of ice conditions, motion regimes and ice belt structures response during voyage of R/V "Akademik Fedorov" near North Pole, summer 2000: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1285-1294, illus. incl. 4 tables, 1 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000340

Lavrenov, I. V. (State Research Center of the Russian Federation, Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation); Polnikov, V. G. and Krasitskii, V. P. Non-linear energy transfer in wave spectrum in sea covered by ice cake: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 3, p. 1295-1299, illus., 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000341

**Pokrashenko, S. A. (Far Eastern State University, Vladivostok, Russian Federation).** Mesoscale characteristics of ice floe size variability on the East Sakhalin shelf: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** -

**International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1301-1308, illus. incl. sketch map, 1 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000342

Ettema, Robert (University of Iowa at Iowa City, Iowa Institute of Hydraulic Research, Iowa City, IA); Chen, Zhiming and Lai, Yong.

Hydraulic performance of offshore water intakes in frigid environments; some CFD findings: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** - **International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1311-1320, illus., 5 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000343

Abdelnour, Razek (Fleet Technology, Kanata, ON, Canada); Comfort, George and Mullin, Joseph.

The use of ice booms to facilitate the recovery of spilled oil in ice infested waters: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1321-1331, illus. incl. 3 tables, 11 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

- 25 - 2/19/02

Otsuka, Natsuhiko (North Japan Port Consultants Company, Sapporo, Japan); Ogiwara, Kouji; Takahashi, Shinjiro; Maida, Katsuyuki; Watanabe, Yasunori and Saeki, Hiroshi. Experimental study on spreading of oil under ice floes: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1333-1342, illus. incl. 3 tables, 6 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000345

Otsuka, Natsuhiko (North Japan Port Consultants Company, Sapporo, Japan); Ogiwara, Kouji; Takahashi, Shinjiro; Maida, Katsuyuki; Watanabe, Yasunori and Saeki, Hiroshi. Experimental study on oil/water separating system: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1343-1352, illus. incl. 1 table, 4 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000346

Goncharov, V. K. (Krylov Shipbuilding Research Institute, St. Petersburg, Russian Federation); Minin, V. V.; Mogutin, Yu. B.; Waldman, N. A.; Dymkova, A. V. and Kasatkin, G. I. Basic positions of the concept of prevention of oil pollution at the crude oil transportation in ice-covered water areas of Russian Arctic Shelf: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 3, p. 1353-1362, illus. incl. 1 table, 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000347

Dempsey, J. P. (Clarkson University, Department of Civil and Environmental Engineering, Potsdam, NY).

On the high pressure zones that form during ice-structure indentation: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1365-1374, illus., 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

# 56000348

Barrette, Paul D. (Memorial University of Newfoundland, Ocean Engineering Research Centre, St. John's, NF, Canada).

Triaxial testing of ice; a survey of previous investigations: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1375-1384, 2 tables, 57 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 26 -

Shkhinek, K. N. (St. Petersburg Technical University, Russian Federation); Karna, T.; Kapustiansky, S. M. and Jilenkov, A. G.

Extrusion model of crushed ice: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1385-1394, illus., 23 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000350

Johnston, M. (National Research Council, Canadian Hydraulics Centre, Ottawa, ON, Canada); Frederking, R. and Timco, Garry W.

Decay-induced changes in the physical and mechanical properties of first year ice: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1395-1404, illus., 10 ref., 2001. *Meeting*: Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000351

Frey, Karoline (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK); Eicken, Hajo; Perovich, Don K.; Grenfell, Tom C.; Light, Bonnie; Shapiro, Lewis H. and Stierle, Aaron P.

Heat budget and decay of clean and sediment-laden sea ice off the northern coast of Alaska: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** - **International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1405-1412, illus. incl. sketch map, 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada. CRREL Report No: ERDC/CRREL MP-02-5753

## 56000352

Lau, Michael (Memorial University of Newfoundland, C-CORE, St. John's, NF, Canada); Phillips, R.; McKenna, R. F. and Jones, Stephen J.

Size effect on the flexural strength of ice in model testing: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1413-1421, illus., 20 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000353

Moores, Corwyn (Memorial University of Newfoundland, Faculty of Engineering and Applied Science, St. John's, NF, Canada); Veitch, Brian; Bose, Neil; Jones, Stephen J. and Bugden, Austin.

Effects of strain rate and temperature on the uniaxial compressive strength of EG/AD/S CD model ice: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1423-1431, illus. incl. 1 table, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

- 27 - 2/19/02

Heinonen, Jaakko (Helsinki University of Technology, Laboratory for Mechanics of Materials, Finland) and Maattanen, Mauri.

Full-scale testing of ridge keel mechanical properties in Loleif-Project: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1435-1444, illus. incl. sketch maps, 9 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000355

Croasdale, Ken R. (K. R. Croasdale & Associates, Calgary, AB, Canada); Bruneau, S.; Christian, D.; Crocker, Greg; English, J.; Metge, M. and Ritch, R.

In-situ measurements of the strength of first-year ice ridge keels: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1445-1454, illus., 14 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000356

Tin, T. (University of Alaska Fairbanks, Geophysical Institute, Fairbanks, AK) and Jeffries, Martin O.

Quantitative identification of Antarctic first year pressure ridges and preliminary results on ridge morphology: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1455-1464, illus. incl. 3 tables, 23 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000357

Morev, Valentin A. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation) and Kharitonov, Victor V.

Definition of the internal structure of large ice features by thermal drilling methods: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings** - **International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1465-1472, illus. incl. 1 table, 8 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000358

Tuhkuri, Jukka (Helsinki University of Technology, Finland) and Lensu, Mikko.

Energy balance of laboratory scale ridging and rafting processes: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1473-1482, illus. incl. 2 tables, 15 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

2/19/02 - 28 -

Hoyland, K. V. (Norwegian University of Science and Technology, Norway); Jensen, A.; Liferov, P.; Heinonen, Jaakko; Evers, Karl-Ulrich; Loset, Sveinung and Maattanen, M. Physical modelling of first-year ice ridges; Part I, Production, consolidation and physical properties: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions, 16, Vol. 3, p. 1483-1492, illus. incl. 3 tables, 19 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000360

Jensen, A. (Norwegian University of Science and Technology, Norway); Loset, Sveinung; Hoyland, K. V.; Liferov, P.; Heinonen, Jaakko; Evers, Karl-Ulrich and Maattanen, M. Physical modelling of first-year ice ridges; Part II, Mechanical properties: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1493-1502, illus. incl. 3 tables, 10 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

#### 56000361

Yasunaga, Y. (Hokkaido University, Department of Hydraulic Engineering, Japan); Kioka, S.; Matsuo, Y. and Saeki, Hiroshi.

Tests on strength of consolidated parts of hummock ice model: *in* 16th annual international conference on Port and ocean engineering under Arctic conditions; ice engineering applied to offshore regions; proceedings (Frederking, R., editor; *et al.*), **Proceedings - International Conference on Port and Ocean Engineering under Arctic Conditions**, 16, Vol. 3, p. 1503-1511, illus. incl. 2 tables, 7 ref., 2001. *Meeting:* Aug. 12-17, 2001, Ottawa, ON, Canada.

## 56000399

Craven, Mike (Antarctic CRC, Hobart, Tasmania, Australia); Higham, Martin and Brocklesby, Andrew.

Ice thicknesses and surface & bedrock elevations from the Lambert Glacier basin traverses 1990-1995: **Antarctic CRC Research Report**, 27, 175 p., illus. incl. 5 tables, sketch maps, 2001. ISBN: 1-875796-23-1.

## 56000400

Eighmy, T. T. (University of New Hampshire, Recycled Materials Resource Center, Durham, NH); Cook, R. A.; Coviello, A.; Spear, J. C. M. and Hover, K. C.

A predictive approach for long-term performance of recycled materials using accelerated aging; Volume 2, Appendices: **Publication - Federal Highway Administration**, Rep. No. FHWA-RD-01-023, 223 p., illus. incl. tables, 18 ref., June 2001. Final report.

#### 56000401

Eighmy, T. T. (University of New Hampshire, Recycled Materials Resource Center, Durham, NH); Cook, R. A.; Coviello, A.; Spear, J. C. M. and Hover, K. C.

A predictive approach for long-term performance of recycled materials using accelerated aging; Volume 1, Main report: **Publication - Federal Highway Administration**, Rep. No. FHWA-RD-01-022, 395 p., illus. incl. 108 tables, 122 ref., June 2001. Final report.

Kiernan, Rob (Antarctic CRC and Australian Antarctic Division, Hobart, Tasmania, Australia).

Ice sheet surface velocities along the Lambert Glacier basin traverse route: **Antarctic CRC Research Report**, 23, 76 p., illus. incl. 3 tables, sketch maps, 22 ref., May 2001. ISBN: 1-875796-19-3. Includes appendices.

#### 56000509

## Elder, Kelly, editor.

Proceedings of the Western snow conference; 68th annual meeting: **Proceedings of the Western Snow Conference**, 68, 107 p., illus., April 2000. *Meeting*: April 17-20, 2000, Port Angeles, WA. Individual papers are cited separately.

#### 56000510

Koch, Roy W. (Portland State University, Department of Civil Engineering and Environmental Sciences Program, Portland, OR) and Fisher, Austin R.

Effects of inter-annual and decadal-scale climate variability on winter and spring streamflow in western Oregon and Washington: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 1-11, illus. incl. 2 tables, sketch maps, 7 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

#### 56000511

Painter, Thomas H. (University of California at Santa Barbara, Institute for Computational Earth System Science, Santa Barbara, CA); Paden, Bradley E. and Dozier, Jeff C. Automated spectro-goniometer; a robotic arm for the measurement of snow bi-directional reflectance distribution function: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), Proceedings of the Western Snow Conference, 68, p. 12-21, illus. incl. 2 tables, 8 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

## 56000512

Palmer, Peter L. (U. S. Bureau of Reclamation, Pacific Northwest Region, Boise, ID). Modeling crop water use in the Pacific Northwest; the USBR AgriMet Program: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 22-29, illus. incl. 2 tables, 6 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

## 56000513

Roos, Maurice (California Department of Water Resources, Sacramento, CA).

The top ten Northern California floods of the 20th century: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 30-40, illus. incl. sketch maps, 4 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

## 56000514

Troendle, C. A. (MATCOM Corporation, Fort Collins, CO) and Porth, L. S.

Predicting the 1.5-, 10-, and 25-year event from the snow zones of Colorado and Wyoming: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 41-48, illus. incl. 4 tables, 7 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

2/19/02 - 30 -

Green, Jeromy R. (U. S. Geological Survey, Idaho Falls, ID); Cecil, L. DeWayne; Naftz, David L. and Schuster, Paul F.

USGS research on three mid-latitude glaciers: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 49-56, illus. incl. sketch map, 24 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

#### 56000516

Modini, George Chan (U. S. Army Corps of Engineers, Northwestern Division, Water Management Division, Portland, OR).

Long-lead precipitation outlook augmentation of multi-variate linear regression streamflow forecasts: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 57-68, illus. incl. 4 tables, sketch maps, 12 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

## 56000517

Doesken, Nolan J. (Colorado State University, Atmospheric Science Department, Fort Collins, CO) and McKee, Thomas B.

Life after ASOS (Automated Surface Observing System); progress in National Weather Service snow measurement: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 69-75, illus. incl. 1 table, 7 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

## 56000518

Steppuhn, H. (Agriculture and Agri-Food Canada, Semiarid Prairie Agricultural Research Center, Swift Current, SK, Canada).

Estimating snowpacks in a dynamic prairie environment: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 76-86, illus. incl. 3 tables, geol. sketch maps, 6 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

#### 56000519

Carcoana, Radu (North Dakota State University, Agricultural Weather Network, Fargo, ND) and Enz, John W.

An enhanced technique for a more reliable daily snow measurements with an antifreeze-based tipping bucket gauge: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 87-91, illus. incl. 3 tables, 4 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

#### 56000520

Osterhuber, Randall (University of California at Soda Springs, Central Sierra Snow Laboratory, Soda Springs, CA).

Investigating periodicity in the long term precipitation record of Donner Summit, California: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 92-94, illus., 7 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

-31 - 2/19/02

## Clark, Welden (Dungeness River Center) and Clark, Virginia.

Focus on the upper basins of the Dungeness River system: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 95-98, illus. incl. sketch map, April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

## 56000522

Colee, Michael T. (University of California at Santa Barbara, Institute for Computational Earth System Science, Santa Barbara, CA); Painter, Thomas H.; Rosenthal, Walter and Dozier, Jeff C.

A high-resolution distributed snowmelt model in an alpine catchment: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 99-102, 6 ref., April 2000. *Meeting:* April 17-20, 2000, Port Angeles, WA.

## 56000523

Powell, Douglas R. (San Francisco State University, Department of Geography, San Francisco, CA).

World class snowfall in the Sierra Nevada, 1969: *in* Proceedings of the Western snow conference; 68th annual meeting (Elder, Kelly, editor), **Proceedings of the Western Snow Conference**, 68, p. 103-107, April 2000. *Meeting*: April 17-20, 2000, Port Angeles, WA.

#### 56000526

Burgess, Margo M. (Geological Survey of Canada, Ottawa, ON, Canada); Smith, Sharon; Romanovsky, Vladimir and Brown, Jerry.

The Global Terrestrial Network for Permafrost (GTNet-P); borehole thermal monitoring [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 11, 2001. *Meeting:* March 26-28, 2001, Rome, Italy. Database hosted at http://sts.gsc.nrcan.gc.ca/gtnp/index.html.

#### 56000527

## Vonder Mühll, Daniel (Swiss Glaciological Commission, Permafrost, Switzerland).

Permafrost monitoring in high mountains of Europe; the PACE and the PERMOS Project in its global context [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 11-12, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000528

Isaksen, Ketil (University of Oslo, Department of Physical Geography, Oslo, Norway); Holmlund, Per and Sollid, Johan Ludvig.

Three deep alpine-permafrost boreholes in Svalbard and Scandinavia; climatic trends [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 12, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000529

## Brown, Jerry (International Permafrost Association, International).

Long-term observations of soil thaw in the Arctic, subarctic, and alpine; initial results based on the CALM network [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 13, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 32 -

Boike, Julia (University of Alaska, Water and Environmental Research Center, Fairbanks, AK); Hinzman, Larry D.; Roth, Kurt and Ippisch, Olaf.

Active layer dynamics; towards a unifying concept [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 13-14, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000531

**Burgess, Margo M.** (Geological Survey of Canada, Ottawa, ON, Canada) and Smith, S. L. Development of Canadian permafrost monitoring network as part of a national GCOS plan for the cryosphere [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 14, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000532

Chudinova, S. M. (Russian Academy of Sciences, Institute of Physical-Chemical and Biological Problem in Soil Science, Russian Federation); Bykhovets, S. S.; Sorokovikov, V. A.; Gubanov, V. S.; Smirnov, V. E.; Berry, R. G. and Gilichinsky, D. A.

Response of temperature regime of seasonally frozen soils of North-east of Europe to climate changes [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 15, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000533

Gorshkov, S. P. (Moscow State University, Faculty of Geography, Moscow, Russian Federation) and Lomonosov, M. V.

First signs of response on the climate warming in periphery of permafrost zone, the central Siberia [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 16, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000534

Hinkel, K. M. (University of Cincinnati, Department of Geography, Cincinnati, OH) and Nelson, F. E.

Controls on the spatial and temporal patterns of thaw at CALM sites on the North Slope of Alaska; 1995-2000 [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 16, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000535

Krobath, Michael (University of Graz, Institute of Geography and Regional Science, Graz, Austria) and Lieb, Gerhard Karl.

Ground temperature monitoring in a permafrost environment of Central Alps (Austria) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 17, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

- 33 - 2/19/02

# Oberman, N. (Stock Company Palyarnouralgeologiya, Syktyvkar, Russian Federation).

Changes in the cryolithozone temperature of the European Northeast of Russia in the context of 1970-95 climatic warming [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 17, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000537

## Oht, Mette (University Courses on Svalbard, Longvearbyen, Norway).

The effect of changing snow cover on temperatures in the active layer in the Longyearbyen area, Svalbard [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 18, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000538

# Osterkamp, T. E. (University of Alaska, Geophysical Institute, Fairbanks, AK); Romanovsky, V. E.; Zhang, T. and Gruol, V.

Warming of permafrost in Alaska [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 18, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000539

# Shpolyanskaya, N. A. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

Prediction of global climate and cryolithozone changes [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 19, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000540

# Smith, S. L. (Geological Survey of Canada, Ottawa, ON, Canada); Burgess, Margo M.; Nixon, F. M. and Taylor, A. E.

Canadian High Arctic and western Arctic permafrost observatories [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 19-20, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

## 56000541

Velikin, S. A. (Russian Academy of Sciences, Mel'nikov Permafrost Institute, Ykuttia, Russian Federation); Snagirev, A. M.; Frolov, Anatoly D.; Istratov, V. A. and Skvortsov, A. G. Ecological-geophysical monitoring in the cryolithozone [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 20, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

# 56000542

# Zamolodchikov, D. G.; Karelin, D. V.; Ivaschenko, A. I.; Chestnykh, O. V. and Lopes de Gerenu, V. O.

Recent trends of climate, permafrost conditions and carbon balance in the East European tundra [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 20-21, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 34 -

# Kuhry, Peter (University of Lapland, Arctic Centre, Rovaniemi, Finland); Oksanen, P.; Oberman, N. and Romanovsky, V.

Holocene, subrecent and future permafrost dynamics in the East-European Russian Arctic [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 23, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000544

# Ostroumov, V. Ye. (Russian Academy of Sciences, Laboratory of Soil Cryology, Pushchino, Russian Federation).

Distribution of ions in frozen ground and possibility of palaeo-reconstruction at the base of chemical data [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 23-24, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000545

# Meyer, H. (Alfred Wegener Institute, Research Unit Potsdam, Potsdam, Federal Republic of Germany); Schirmeister, L.; Siegert, C. and Hubberten, Hans W.

"Ice complex" deposits of the Bykovsky Peninsula, northern Siberia; a paleoenvironmental and paleoclimatic record for the last 60 ka [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 24, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000546

# Gorshkov, S. P. (M. V. Lomonosov Moscow State University, Faculty of Geography, Moscow, Russian Federation); Dobrynin, D. V. and Tishkova, M. A.

The resistance of permafrost landscapes to climate warming in the periphery of the permafrost zone of central Siberia [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 24-25, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000547

## Christiansen, Hanne H. (University of Copenhagen, Copenhagen, Denmark).

Five years of active layer monitoring in NE Greenland; meteorological control on inter-annual variability [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 25, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000548

# Melnikov, E. S. (Russian Academy of Sciences, Siberian Branch, Russian Federation); Vasiljev, A. A.; Malkova, G. V. and Moskalenko, N. G.

Monitoring of the active layer in the western part of the Russian Arctic [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 26, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

- 35 - 2/19/02

# Pfeiffer, E. M. (Alfred Wegener Institute of Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Samarkin, V. and Wagner, D.

Methane flux studies in Siberia; conclusion about the impact of climate change on permafrost soils and open questions [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 26, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000550

# Bölter, M. (University of Kiel, Institute for Polar Ecology, Kiel, Federal Republic of Germany); Müller-Lupp, W.; Kodama, Y.; Ohata, T.; Takata, K. and Yabuki, H.

Potential long-term CO<sub>2</sub>-flux in an arctic tundra environment [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 26-27, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

## 56000551

# Gilichinsky, D. A. (Russian Academy of Sciences, Soil Cryology Laboratory, Pushchino, Russian Federation).

Future study of the cryobiosphere [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 27, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000552

Vasil'chuk, Yurij (Lomonosov's Moscow State University, Faculties of Geology and Geography, Moscow, Russian Federation); Vasil'chuk, Alla C. and Budantseva, Nadine A. Non-climatic cyclic formation of thick syngenetic ice-wedges during late Pleistocene; isotope-geochemical aspect [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 28, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## 56000553

# Harris, Charles (Cardiff University, Department of Earth Sciences, Cardiff, United Kingdom) and Murton, J.

Centrifuge modelling of ice wedge casting processes [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 28, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

### 56000554

# Eissmann, Lothar (Sächsische Akademie der Wissenschaften zu Leipzig, Leipzig, Federal Republic of Germany).

Permafrost in Pleistocene of Central Europe [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 28-29, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

## 56000555

# Axenova, J. O. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation); Kalouzchskikh, A. A. and Mikheev, A. A.

Research of seasonal freezing at the centre of Russian Plain [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 29, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 36 -

## Broll, Gabriele (University of Munster, Munich, Federal Republic of Germany) and Tarnocai, Charles.

Turf hummocks on Ellesmere Island, Canada [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 29-30, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000557

## Carretero, Martinez E. (IADIZA, Botany and Plant Sociology, Mendoza, Argentina); Roig, F. and Pott, R.

Vegetation in high-Andean wetlands affected by cryogenic processes (Laguna del Diamante, Mendoza, Argentina) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 30, 2001. *Meeting:* March 26-28, 2001. Rome, Italy.

#### 56000558

## Chuvilin, E. M. (Moscow State University, Department of Geocryology, Moscow, Russian Federation); Yakushev, V. S. and Makhonina, N. A.

Conditions of gas hydrate existence in frozen soils [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 30, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000559

## Delaloye, Reynald (University of Fribourg, Institute of Geography, Fribourg, Switzerland); Reynard, Emmanuel and Lambiel, Christophe.

Marginal occurrence of permafrost in a low altitude talus slope (Creux du Van, Jura Range, Switzerland); snow and vegetation significance [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 31, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000560

## Dikau, Richard (University of Bonn, Department of Geography, Bonn, Federal Republic of Germany).

Past and present permafrost distribution as a key to understanding sediment budgets in high mountain geosystems; concepts and preliminary results of the Turtmanntal-Project (Valais, Switzerland) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 31-32, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000561

Gómez, A. (Universidad Complutense, Departamento de AG.R y Geografía Física, Madrid, Spain); Luengo, E.; Palacios, D.; Tanarro, L. M.; Fernández, A.; Schulte, L.; Marcos, J. and Ramos, Miguel.

Present mass wasting activity in relation to buried-ice degradation (Corral del Veleta, Sierra Nevada, Spain) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 32-33, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

- 37 - 2/19/02

## Gude, Martin (University of Jena, Department of Geography, Jena, Federal Republic of Germany); Dietrich, Susanne; Mäusbacher, Ronald and Molena, Roland.

Exceptionally cold microclimatic conditions in blocky scree slopes in Central Europe [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 33, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000563

Hinzman, Larry D. (University of Alaska at Fairbanks, Institute of Northern Engineering, Alaska); Yoshikawa, Kenji; Verbyla, David; Kane, Douglas L.; Goering, Douglas and Romanovsky, Vladimir.

Thermokarst formation and degradation as influenced by climatic dynamics [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 33-34, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000564

## Jeppesen, Jon Willaing (University of Copenhagen, Institute of Geography, Copenhagen, Denmark).

Ice wedges as a palaeoclimatic indicator in Adventdalen, Svalbard [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 34, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000565

## Kotarba, Adam (Polish Academy of Sciences, Department of Geomorphology and Hydrology, Cracow, Poland).

Dynamics of high mountains talus slopes in the Tatra Mountains of Poland lichenometric study [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 35, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000566

## Mudrov, Yuri V. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

Cryolithozone dynamics in the western section of subarctic during recent Holocene [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 35-36, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

### 56000567

## Müller-Lupp, W. (Unviersity of Kiel, Institute for Polar Ecology, Kiel, Federal Republic of Germany); Bölter, M.; Kodama, Y.; Ohata, T.; Takata, K. and Yabuki, H.

Evidence of climatic and physical properties in permafrost affected soils [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 36, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000568

### Osadchaya, G. (Ukhta State Technical University, Ukhta, Russian Federation).

Active layer of cryolithozone in the North-east of Europe; zone and regional aspects of forcing [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 36-37, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 38 -

## Pappalardo, Marta (University of Pisa, Dipartimento di Scienze della Terra, Pisa, Italy) and Ribolini, Adriano.

Stratified screes in the Maritime Alps (Italy); an attempt to determine the role of permafrost in their formation [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 37, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000570

## Rivkin, F. M. (Moscow State University, Production and Research institute for Engineering of Construction, Moscow, Russian Federation) and Levantovskaya, N. P.

Talik zones dynamics in Holocene and forming of near-surface gas hydrate [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 37-38, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000571

## Rivkin, F. M. (Industrial and Research Institute for Engineering of Construction, Moscow, Russian Federation); Popova, A. and Eospa, A.

The permafrost conditions along Pechora Sea coast (Varandey Peninsula, European North of Russia) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 38, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000572

## Rivkina, E. (Institute of Physicochemical & Biological Problems in Soil Science, Russian Federation); Gilichinsky, D. A. and Laurinavichus, K.

Radiative geogases within permafrost [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 38-39, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000573

## Rovdan, E. (National Academy of Sciences of Belarus, Institute for Problems of Natural Resources Use & Ecology, Minsk, Belarus); Brovka, G. and Dedyulya, I.

The migration of ions in frozen natural dispersed systems [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 39, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000574

## Salnikov, P. I. (Russian Academy of Sciences, Siberian Branch, Permafrost Institute, Russian Federation).

Peculiarities of ground heaving in southern Zabaikalie [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 39-40, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000575

## Sawada, Yuki (Hokkaido University, Graduate School of Environmental Earth Science, Hokkaido, Japan) and Ono, Yugo.

Mechanism of sporadic permafrost preservation in the blocky slope at Mt. Nishi-nupukaushinupuri, central Hokkaido, Japan [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 40, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

Schulte, L. (University of Barcelona, Department of Physical Geography, Barcelona, Spain); de Marcos García-Blanco, J.; Gómez Ortiz, A.; Palacios Estremera, D.; Tanarro García, L. M. and Ramos Sainz, M.

Late Glacial deglaciation and subsequent expansion of periglacial processes in the Mulhacen Cirque (Sierra Nevada, southern Spain) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 40-41, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000577

Stalina, E. E. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

Peculiarities of cryogenic eluvium in the mountains of Altai (South Siberia) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 41, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000578

Tishkova, M. A. (M. V. Lomonosov Moscow State University, Moscow, Russian Federation).

Peculiarities of permafrost landscapes in the middle taiga subzone; Podkamennaya Tunguska lower reaches area case study [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 41-42, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000579

Vandenberghe, J. (Vrije Universiteit, Faculty of Earth Sciences, Amsterdam, Netherlands). The evolution of permafrost extent in North and Central Europe during the last ice age [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 42, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000580

Vasil'chuk, Alla C. (Lomonosov's Moscow State University, Laboratory of Palaeogeography of Pleistocene, Moscow, Russian Federation).

Re-deposited pollen in ground ice as age and origin indicator [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 42, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000581

Vasil'chuk, Yu. K. (Lomonosov's Moscow State University, Faculities of Geology and Geography, Moscow, Russian Federation); Jungner, H.; Sulerzhitsky, L. D.; Vasil'chuk, Alla C.; Budantseva, Nadine A. and Chizhova, Ju. N.

Palsa in North-East Europe; age and potential future [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 43, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000582

**Vieira, Goncalo (University of Lisbon, Centro de Estudos Geográficos, Lisbon, Portugal).** New observations on the Pleistocene periglaciation of the Serra da Estrela, Portugal [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 43, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 40 -

## Haeberli, Wilfried (University of Zurich, Geography Department, Zurich, Switzerland) and Hallet, Benard.

IPA/ICSI task force on rock glacier dynamics [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 45, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000584

### Vonder Mühll, Daniel (University of Zurich, Zurich, Switzerland).

Rock glacier thermal conditions [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 45-46, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000585

### Matsuoka, Norikazu (University of Tsukuba, Institute of Geoscience, Ibaraki, Japan).

Rock glacier composition; rock component [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 46-47, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000586

### Elconin, Roger.

Rock glacier ice review; distribution, physical and chemical characteristics, age, diagnostics and origin [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 47, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000587

### Kääb, Andreas (University of Zurich, Zurich, Switzerland) and Kaufmann, Viktor.

IPA/ICSI Task Force on rock glacier dynamics; geometry and kinematics [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 47-48, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000588

### Ladanyi, Branko.

Rheology of ice and ice/rock mixtures [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 48, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000589

## Arenson, Lukas (Swiss Federal Institute of Technology, Institute of Geotechnical Engineering, Zurich, Switzerland); Hoelzle, Martin and Springman, Sarah.

Borehole deformation measurements in Alpine rock glaciers [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 48-49, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

-41 - 2/19/02

## Arenson, Lukas (Swiss Federal Institute of Technology, Institute of Geotechnical Engineering, Zurich, Switzerland) and Springman, Sarah.

Pressuremeter tests in the Murtel-Corvatsch rock glacier, Upper Engadin, Switzerland [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 49, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000591

Berthling, Ivar (University of Oslo, Department of Physical Geography, Blindern, Norway); Isaksen, Ketil; Eiken, Trond; Etzelmüller, Bernd; Odegaard, Rune and Sollid, Johan Ludvig.

Flow behaviour, internal composition and development of rock glaciers on Svalbard [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 49-50, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000592

### Bucki, Adam (University of Alaska, Geophysical Institute, Fairbanks, AK).

Geophysical investigations at Fireweed rock glacier, Wrangell Mts., Alaska; methods and results [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 50, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000593

### Cannone, N. (Third University of Rome, Rome, Italy) and Burga, Conradin A.

Vegetation as ecological indicator of rock glacier dynamics [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 50-51, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000594

**Dramis, F. (Universita di Roma Tre, Rome, Italy); Giraudi, C. and Guglielmin, Mauro.** Rock glacier distribution and paleoclimate in Italy [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 51, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000595

Eiken, Trond (University of Oslo, Department of Physical Geography, Oslo, Norway); Kääb, Andreas; Isaksen, Ketil and Sollid, Johan Ludvig.

Rock glaciers on Svalbard; some typical examples [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 51-52, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000596

Elverfeldt, Kirsten V. (University of Bonn, Department of Geography, Bonn, Federal Republic of Germany); Witsch, Uta V. and Kaab, Andreas.

Rock glacier kinematics in the Turtmanntal (Valais, Switzerland) using digital photogrammetry [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 52, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 42 -

## Frauenfelder, Regula (University of Zurich, Geography Department, Zurich, Switzerland); Haeberli, Wilfried; Hoelzle, Martin and Maisch, Max.

Paleopermafrost reconstructions for the Younger Dryas in the Upper Engadin, Swiss Alps, using relict rock glaciers [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 52-53, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000598

## Fukui, Kotaro (Tokyo Metropolitan University, Tokyo, Japan); Iwata, Shuji; Ikeda, Atsushi and Matsuoka, Norikazu.

Rock glaciers and a protalus rampart in relation to mountain permafrost in the northern Japanese Alps [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 53, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

### 56000599

#### Carlo, Giraudi.

The Apennine (Italy) late-Pleistocene and Holocene rock glaciers [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 53, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000600

Grebenets, V. I. (Moscow State University Vorobyovy Gory, Department of Cryolithology and Glaciology, Moscow, Russian Federation); Titkov, S. N. and Malorossiyanov, V. A. Technogenic rock glaciers; genesis, structure, mechanism of movement, forecast of development [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 53-54, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000601

## Guglielmin, Mauro (A.R.P.A. Iombardia, Milan, Italy); Camusso, M.; Polesello, S. and Valsecchi, S.

The Foscagno rock glacier ice core; an example of old glacier ice relict preserved in permafrost environment [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 54, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000602

Haeberli, Wilfried (University of Zurich, Geography Department, Zurich, Switzerland); Castelli, Stefano; Egli, Markus; Frauenfelder, Regula; Kääb, Andreas and Maisch, Max. Methods for absolute and relative age dating of rock-glacier surfaces in Alpine permafrost [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 55, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000603

#### Humlum, O. (University Courses on Svalbard, UNIS, Longvearbyen, Norway).

Rock glacier active layer temperatures [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 55, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

### Ikeda, Atsushi (University of Tsukuba, Institute of Geoscience, Tsukuba, Japan); Matsuoka, Norikazu and Kääb, Andreas.

Characteristics of pebbly rock glaciers in Swiss Alps [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 55-56, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000605

## Kääb, Andreas (University of Zurich, Department of Geography, Zurich, Switzerland) and Frauenfelder, Regula.

Temporal variations of mountain permafrost creep [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 56, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000606

## Kaufmann, Viktor (Graz University of Technology, Institute of Applied Geodesy, Graz, Austria) and Ladstaedter, Richard.

Spatio-temporal analysis of the dynamic behaviour of the Hochebenkar rock glaciers (Oetztal Alps, Austria) by means of digital photogrammetric methods [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 56-57, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000607

## Kenyi, Lado W. (Institute of Digital Image Processing, Joanneum Research, Graz, Austria) and Kaufmann, Viktor.

Detection and quantification of rock glacier deformation using ERDS D-InSAR data [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 57-58, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000608

## Korsgaard, Sisse (University of Copenhagen, Institute of Geography, Copenhagen, Denmark).

Observations on a debris-covered glacier in central Spitsbergen [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 58, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000609

## Paar, Gerhard (Institute of Digital Image Processing, Joanneaum Research, Graz, Austria); Bauer, Arnold and Kaufmann, Viktor.

Rock glacier monitoring using terrestrial laser scanning [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 58-59, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000610

Palacios, D. (Universidad Complutense, Departamento de AG.R., Madrid, Spain); Gómez, A.; Ramos, Miguel; Tanarro, L. M.; Crespo, F.; Salvador, F.; Luengo, E. and García, A. Present formation of ice-creep features in a deglaciated area (Corral del Veleta, Sierra Nevada, Spain) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 59-60, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 44 -

## Reynard, Emmanuel (University of Lausanne, Institute of Geography, Lausanne, Switzerland); Lambiel, Christophe and Delaloye, Reynald.

DC resistivity prospecting in rock glaciers and talus slopes in the discontinuous permafrost belt of western Swiss Alps [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 60-61, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000612

### Ribolini, Adriano (Universita di Pisa, Dipartimento di Scienze della Terra, Pisa, Italy).

Surface ground temperatures of rock glaciers in the Argentera Massif (Maritime Alps, Italy); one year of monitoring [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 61-62, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000613

## Roer, Isabelle (University of Bonn, Department of Geography, Bonn, Federal Republic of Germany); Hörsch, Bianca; Gätner, Holger and Dikau, Richard.

Bioindication of rock glacier generations in the Turtmanntal, (Valais, Switzerland) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 62, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000614

### Schneider, Britta (University of Innsbruck, Innsbruck, Austria).

Fluctuations of air temperature as a reason for short-term velocity changes at the rock glacier Äusseres Hochebenkar (Otztal Alps, Tyrol)? [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 62-63, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000615

## Urdea, Petru (West University of Timisoara, Department of Geography, Timisoara, Romania).

Rock glaciers and dendrochronology in the Romanian Carpathians [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 63, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000616

## Weiss, Regina (Graz University of Technology, Institute of Applied Geodesy, Graz, Austria); Kienast, Gerhard and Kaufmann, Viktor.

Presentation and analysis of geodetic observations carried out on three active rock glaciers in the Austrian Alps [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 63-64, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000617

### Hoelzle, Martin; Etzelmüller, Bernd; Mittaz, C. and Haeberli, Wilfried.

Principles of permafrost and slope activity modelling [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 65, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

## Gruber, Stephan (Justus-Liebig-University of Giessen, Geographical Institute, Giessen, Federal Republic of Germany) and Hoelzle, Martin.

Statistical modelling of mountain permafrost distribution; local calibration and incorporation of remotely sensed data [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 65, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000619

## Malevsky-Malevich, S. P. (Main Geophysical Observatory, St. Petersburg, Russian Federation); Molkentin, E. K.; Nadyozhina, E. D. and Shklyarevich, O. B.

Numerical simulation of current and projected permafrost parameters distribution in Russia [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 65, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000620

## Odegaard, Rune S. (Gjovik College, Department of Technology, Geomatics Group, Gjovik, Norway) and Sollid, Johan Ludvig.

Extraction of periglacial features from high-resolution digital images [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 66-67, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000621

## Mittaz, C. (University of Zurich, Department of Geography, Zurich, Switzerland); Hoelzle, Martin and Haeberli, Wilfried.

PERMEBAL; a mountain permafrost distribution model based on energy balance calculations [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 67, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000622

## Zhang, Tingjun (University of Colorado at Boulder, National Snow and Ice Data Center, Boulder, CO) and Barry, Roger G.

Numerical simulations on the influence of snow cover on the occurrence of permafrost [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 67-68, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000623

## Ershov, E. D. (Moscow State University, Faculty of Geology, Moscow, Russian Federation); Levantovskaya, N. P.; Maksimova, L. N. and Medvedev, A. V.

Natural rhythms and modelling of the cryosphere's evolution [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 68, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000624

## Marchenko, Sergei S. (Russian Academy of Sciences, Kazakhstan Alpine Laboratory, Almaty, Kazakhstan) and Udartzev, Sergei V.

Mapping and distribution modeling of mountain permafrost in the Tien Shan [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 69, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 46 -

## Kashtanov, A. S. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

Snow and freezing in mountain regions [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 69, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000626

## Delisle, Georg (Bundesanstalt für Geowissenschaften und Rohstoffe, Hanover, Federal Republic of Germany); Caspers, Gerfried and Freund, Holger.

A numerical model on the permafrost aggradation/degradation during the last 120 kyrs in northern Germany [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 70, 2001. *Meeting:* March 26-28, 2001, Rome, Italy. *Weichselian* 

### 56000627

## Holmlund, Per (Stockholm University, Department of Physical Geography, Stockholm, Sweden); Jansson, P. and Pettersson, R.

Climate impact on the thermal regime of Storglaciaren, northern Sweden [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 70, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000628

## Christensen, Jens Hesselbjerg (Danish Meteorological Institute, Copenhagen, Denmark); Stendel, Martin and Kuhry, Peter.

High resolution regional climate model validation and permafrost simulation for the East-European Russian Arctic [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 71, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000629

## Heggem, Eva Solbjorg Flo (University of Oslo, Oslo, Norway); Etzelmüller, Bernd and Berthling, Ivar.

SRAD; a spatially-distributed radiation balance model applied in geocryology [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 71, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000630

## Holmlund, Per (Stockholm University, Department of Physical Geography, Stockholm, Sweden) and Jonasson, Christer.

Permafrost in northern Sweden [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 72, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000631

## Kedzia, Stanislaw (Polish Academy of Sciences, Institute of Geography, Cracow, Poland) and Moscicki, Jerzy.

The occurrence of permafrost in the Polish part of the Tatra Mountains [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 72, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

## Kneisel, Christof (University of Trier, Department of Physical Geography, Trier, Federal Republic of Germany) and Lappat, Marc.

Modelling permafrost distribution in northern Sweden first results with PERMASIM; a radiation based model [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 73, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000633

### Krummenacher, Bernhard (University of Berne, Institute of Berne, Berne, Switzerland).

Use of the solar compass to estimate the presence of permafrost [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 73-74, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000634

## Lambiel, Christophe (University of Lausanne, Geographical Institute, Lausanne, Switzerland) and Reynard, Emmanuel.

Regional modelling of present, past and future potential distribution of discontinuous permafrost based on a rock glacier inventory in the Bagnes-Hérémence area (western Swiss Alps) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 74, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000635

### Lugon, Ralph (University of Fribourg, Institute of Geography, Fribourg, Switzerland).

Modelling alpine permafrost distribution, Val de Réchy, Valais Alps (Switzerland) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 74, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000636

## Lütschg, Martina (Swiss Federal Institute of Snow and Avalanche Research, Davos Dorf, Switzerland); Bartelt, Perry; Haeberli, Wilfried and Stöckli, Veronika.

Interaction between snowcover and permafrost in the Alps; coupling of the snowpack model with a ground heat flux model [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 75, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000637

## Ishikawa, Mamoru (Hokkaido University, Graduate School of Environment, Hokkaido, Japan).

Micro-scale mountain permafrost distribution in the Daisetsu Mountains, northern Japan [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 75, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000639

## Serrano, E. (Universidad de Valladolid, Departamento Geografía, Valladolid, Spain) and Agudo, C.

Permafrost distribution in the Posets Massif (Spanish Pyrenees) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 76, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 48 -

## Tumel, N. V. (Moscow State University, Department of Cryolithology and Glaciology, Vorobyovy Gory, Russian Federation).

The map of cryogenic processes intensification in the North and its ecological application [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 77, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000641

## Harris, Charles (Cardiff University, Department of Earth Sciences, Cardiff, United Kingdom); Davies, Michael C. R. and Etzelmüller, Bernd.

The assessment of potential geotechnical hazards associated with mountain permafrost in a warming global climate [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 79, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000642

## Karstkarel, N. (University of Groningen, Arctic Centre, Groningen, Netherlands); Mazhitova, G.; Romanovsky, V.; Oberman, N. and Kuthry, P.

Assessing the impact of possible future permafrost degradation on urban and industrial infrastructure in the East-European Russian Arctic using a GIS approach [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 79, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000648

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

Permafrost degradation and environmental hazards under global climate change [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 80, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000649

## Torgashov, V. (Russian Academy of Sciences, Siberian Division, Chita Department of Permafrost Institute, Chita, Russian Federation).

Work of the pile foundations in thawing water impregnated ground in conditions of the development of negative friction forces and seismic effects [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 80, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000650

## Karlov, V. D. (St. Petersburg State University of Architecture and Construction, St. Petersburg, Russian Federation).

Calculation of the influence of cryogenic processes in soils while evaluating the stability of buildings [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 81, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

- 49 - 2/19/02

### Keller, Felix (Academia Engiadina, Switzerland).

Application of freezing indices for design and maintenance of buried water pipes in mountain permafrost areas [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 81, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000652

Shesternyov, D. M. (Russian Academy of Sciences, Siberian Department, Permafrost Research Institute, Chita, Russian Federation) and Filatov, A. V.

The remote investigation of cryogenic objects which have been using microwave radiometric complex [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 62, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000653

Hauck, Christian (ETH-Zurich, Laboratory of Hydraulics, Hydrology and Glaciology, Zurich, Switzerland); Guglielmin, Mauro; Isaksen, Ketil and Vonder Mühll, Daniel.

Applicability of frequency- and time-domain electromagnetic methods for mountain permafrost studies [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 82-83, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000654

Vonder Mühll, Daniel (ETH, Laboratory of Hydrology, Zurich, Switzerland); Arenson, Lukas and Springman, Sarah.

Two new boreholes through the Murtel-Corvatsch rock glacier, Upper Engadin, Switzerland [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 83, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000655

Instanes, Arne (University Courses on Svalbard, Longyearbyen, Norway) and Sundstrom, Helen Eva.

Temperature regime and permeability of a tailing deposit on permafrost in Bjorndalen, Spitsbergen [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 84, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000656

Nielsen, Ole Frits (University of Aarhus, Department of Earth Sciences, Aarhus, Denmark); Baumgartner, François; Foged, Niels; Christensen, Niels Boie and Andreasen, Frank. Ground penetrating radar (GPR) investigations in a discontinuous permafrost environment, Greenland [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 84, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 50 -

Vonder Mühll, Daniel (ETH-Zentrum, Laboratory for Hydraulics, Hydrology and Glaciology, Zurich, Switzerland); Hauck, Christian; Gubler, Hansueli; McDonald, Robert and Russill, Nick.

New geophysical methods of investigating the nature and distribution of mountain permafrost with special reference to radiometry techniques [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 85, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000658

Harris, Charles (University of Cardiff, Department of Earth Sciences, Cardiff, United Kingdom); Rea, Brice and Davies, Michael C. R.

Geotechnical centrifuge modeling of mass movement processes associated with thawing permafrost soils [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 85-86, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000659

Mudrov, Yuri V. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

Peculiarities of cryomorphogenesis on the slopes of the Russian western Arctic sector [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 86, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000660

King, Lorenz (Justus-Liebig-Universität Giessen, Geographical Institute, Giessen, Federal Republic of Germany) and et al.

Permafrost in the Mattertal, Swiss Alps; monitoring, degradation and geotechnical consequences [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 86-87, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000661

Davies, Michael C. R. (University of Dundee, School of Engineering, Dundee, United Kingdom); Hamza, Omar and Harris, Charles.

An investigation of the effect of global warming on rock slope stability using the technique of centrifuge modelling [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 87-88, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000662

Alexseeva, I. (Russian Academy of Sciences, Siberian Division, Chita Department of Permafrost Institute, Chita, Russian Federation) and Torgashov, V.

Some regularities of development negative friction forces on a lateral surface of deep-lying foundations [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 88, illus. incl. 1 table, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

- 51 - 2/19/02

Domnikova, E. A. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation); Kondratiev, S. D. and Pavlunin, V. B.

Permafrost monitoring of the structure foundations of the gas regions of the northern part of the western Siberia [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 89, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000664

Frolov, Anatoly D. (Russian Academy of Sciences, Scientific Council on Earth Cryology, Moscow, Russian Federation); Voronkov, Oleg K. and Zykov, Yury D.

Interrelation between frozen soil and rock moduli of deformation obtained under various regimes of mechanical stresses [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 89, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000665

Grebenets, V. I. (Moscow State University, Department of Crylithology and Glaciology, Moscow, Russian Federation).

Technocryogenesis as a leading exogenic process in industrial centres of permafrost zone [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 89-90, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000666

Gude, Martin (University of Jena, Department of Geography, Jena, Federal Republic of Germany) and Barsch, Dietrich.

Distribution and geotechnical implications of permafrost in the Zugspitze area (Bavarian Alps) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 90, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000667

Hormes, A. (Agenzia Nazionale per la Protezione dell'Ambiente, Rome, Italy); Ferreli, L.; Guaneri, E. M.; Perini, P.; Rovinelli, P.; Serva, L.; Michetti, A. M. and Guglielmin, Mauro. The mass movement-permafrost couple; deep seated gravitational deformations and landslides in the Alta Valtellina (Lombardia, northern Italy) influenced by the raising elevation of permafrost [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 91, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000668

Kerimov, A. G. (Norilsk Department of Research Institute of Bases and Underground Structures, Norilsk, Russian Federation); Pikulev, V. P. and Burmensky, S. Y.

Development of deformation of buildings and constructions under changing geocryological conditions [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 91, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 52 -

## Kondratiev, V. G. (Proecttransstroy Company, Moscow, Russian Federation) and Broid, I. I.

Defrosting of permafrost with using of jet grouting method [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 92, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000670

## Konovalov, A. A. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

The interaction of linear technogenic systems and permafrost rock on the economical developed territories of the cryolithozone [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 92, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000671

## Merzlyakov, V. P. (Russian Academy of Sciences, Institute of Environmental Geoscience, Russian Federation); Brouchkov, A. V.; Talonov, A. V. and Vlasov, A. N.

About the mechanism of creep of high-temperature frozen soils under external loads [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 93, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000672

## Musorin, A. V. (Russian Academy of Sciences, Siberian Division, Permafrost Institute, Russian Federation) and Ivin, J. A.

Assessment of working shallow foundation from the influence of frost heaving forces [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 93-94, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

### 56000673

## Rogov, V. V. D. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

Researches of a microstructure frozen ground as one of major directions in study of cryolithosphere [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 94, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000674

### Roman, L. T. (Moscow State University, Moscow, Russian Federation).

Determination of long-term strength and strain of frozen soils under freezing temperature by time analogy methods [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 94, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000675

## Shesternyov, D. M. (Russian Academy of Sciences, Siberian Department, Permafrost Research Institute, Chita, Russian Federation).

Frozen heaving of large dispersed soiled system [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 94-95, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### Zheleznyak, Y.

Stability of underground cables under influence of frosty ground cracking [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 95, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000677

#### Zhou Xiaomin.

Influence on the freezing performances of drilling slurry by additive [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 95, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000678

## Zotova, L. (Moscow State University, Department of Cryolithology and Glaciology, Moscow, Russian Federation).

The cryoecological assessment of tundra geosystems under anthropogenic impacts [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 98, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000679

## Gilichinsky, D. A. (Russian Academy of Sciences, Soil Cryology Laboratory, Pushchino, Russian Federation).

Age of Antarctic permafrost [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 97, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000680

### French, Hugh (University of Ottawa, Ottawa, ON, Canada).

Frost mounds, northern Victoria Land, Antarctica [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 96, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000681

## Vieira, Goncalo (University of Lisbon, Centro de Estudos Geográficos, Lisbon, Portugal) and Ramos, Miguel.

Observations on the periglacial dynamics of the south slope of Johnsons Ridge, Livingston Island, South Shetlands [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 98, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000682

## Lewkowicz, Antoni (University of Ottawa, Department of Geography, Ottawa, ON, Canada) and Guglielmin, Mauro.

Thermal regimes of tors on Ellesmere Island, Canada (80°N) and Victoria Land, East Antarctica (75°S) [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 99, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 54 -

Balks, Megan R. (University of Waikato, Department of Earth Sciences, Hamilton, New Zealand); Paetzold, Ron F.; Kimble, John M.; Aislabie, Jackie; Campbell, Iain B. C. and Balks, Errol M.

Establishing base-line monitoring of permafrost in the Ross Sea region of Antarctica [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 99, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000684

Sone, Toshio (Hokkaido University, Institute of Low Temperature Science, Hokkaido, Japan); Strelin, Jorge and Mori, Junko.

Thermal characteristics of permafrost in Seymour Island and James Ross Island, Antarctic Peninsula [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 100, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000685

Ramos, Miguel (University of Alcala de Henares, Departamento Física, Alcala de Henares, Spain); Vieira, Goncalo and Crespo, F.

Permafrost distribution in the area of the Spanish Antarctic Station (Livingston Island); ground temperatures during 1995 [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 100, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000686

### Guglielmin, Mauro (ARPA Lombardia, Milan, Italy) and Dramis, F.

Permafrost monitoring Antarctic network in northern Victoria Land (Antarctica); preliminary results [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 100-101, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000687

### Boelhouwers, Jan (University of the Western Cape, Bellville, South Africa).

Geomorphic responses to climate change in the Antarctic; science questions and possible approach [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 101, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000688

Boelhouwers, Jan (University of the Western Cape, Bellville, South Africa) and Holness, Steve.

Present-day soil frost activity on Marion Island, maritime sub-Antarctic [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 102, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000689

#### Hall, Kevin (University of Northern British Columbia, Prince George, BC, Canada).

The necessity for high-frequency rock temperature data for rock weathering studies; Antarctic and northern examples [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 102, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### Huiskes, A. D. (NIOO-CEMO, Yerseke, Netherlands).

RiSCC (Regional Sensitivity to Climate Change in Antarctic Terrestrial Ecosystems); a new international research programme [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 103, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000691

### Motta, Michele (Universita di Torino, Dipartimento di Scienze della Terra, Turin, Italy); Diolaiuti, Guglielmina; Motta, Luigi and Smiraglia, Claudio.

Snow metamorphic evolution in a permafrost site near Terra Nova Bay Station, Victoria Land, Antarctica [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 103-104, illus., 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000692

## Raffi, Rossana (Universita di Roma "La Sapienza", Dipartimento di Scienze della Terra, Rome, Italy).

Ice wedges in the Terra Nova Bay region, (Antarctica); distribution and morphological features [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 105, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000693

## Allard, Michel (Université Laval, Centre d'Études Nordiques, Laval, France); Delisle, Georg; Fortier, Richard and Calmels, Fabrice.

Permafrost properties and landforms in emerged marine sediments of Nunavik; a source of basic knowledge on permafrost formation in Quaternary marine sediments [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 107, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000694

## Delisle, Georg (Bundesanstalt für Geowissenschaften und Rohstoffe, Hanover, Federal Republic of Germany) and Allard, Michel.

Subsea permafrost in the Laptev Sea/Siberia and associated permafrost(?) features at the sea floor; potential analogues from the emerging Hudson Bay region [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 107-108, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000695

#### Kaul, N. (Universität Bremen, Bremen, Federal Republic of Germany).

Temperature measurements and their variations on the permafrost bearing Laptev Sea shelf, Siberia [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 108, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

2/19/02 - 56 -

## Komarov, I. A. (Moscow State University n.a. M.V. Lomonosov, Moscow, Russian Federation) and Loukovkine, D. S.

Influence of salt transportation process on subaquatic permafrost dynamic in the course of the Holocene transgression [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 108-109, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

### 56000698

## Brouchkov, A. V. (Russian Academy of Sciences, Institute of Environmental Geoscience, Russian Federation).

Frozen saline soils of the Arctic Coast; their origin and properties [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 109-110, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

### 56000699

## Ostroumov, V. Ye. (Russian Academy of Sciences, Laboratory of Soil Cryology, Pushchino, Russian Federation) and Sorokovikov, V. A.

Drainage direction of superpermafrost waters and denudation of permafrost sediments at the coastal cliffs [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 110, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000700

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

Shore face of the Arctic seas; a natural laboratory for marine permafrost dynamics [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 110-111, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000701

# Rachold, V. (Alfred Wegener Institute for Polar and Marine Research, Research Unit Potsdam, Potsdam, Federal Republic of Germany); Are, F. E.; Grigoriev, M. N.; Hubberten, Hans W.; Rasumov, S. and Schneider, W.

Coastal erosion of ice-rich, permafrost-dominated coastlines in the Laptev Sea region [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 111-112, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000702

## Ershov, E. D. (Moscow State University n.a. M.V. Lomonosov, Moscow, Russian Federation); Danilov, I. D. and Loukovkine, D. S.

Dynamic of Barents Sea shelf permafrost development during middle Pleistocene-Holocene [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 112, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

- 57 - 2/19/02

## Hubberten, Hans W. (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany) and Romanovskii, Nikolai N.

Onshore and offshore permafrost and gas hydrate stability zone on shelf and coastal plains, Laptev Sea region, Russia [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 112-113, 2001. *Meeting:* March 26-28, 2001, Rome, Italy.

#### 56000704

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

Late Quaternary sedimentation history of the Lena Delta [abstr.]: *in* 1st European permafrost conference; abstracts (Harris, Charles, chairperson; *et al.*), International Permafrost Association, International, p. 113, 2001. *Meeting*: March 26-28, 2001, Rome, Italy.

#### 56000707

### Tremper, Bruce (Utah Avalanche Forecast Center, Salt Lake City, UT).

The new Westside Avalanche Network: **The Avalanche Review**, 14(5), p. 1-2, illus., March 1996.

#### 56000708

### Mueller, Mark.

Survey of GAS-EX users: **The Avalanche Review**, 14(5), p. 6-7, illus., March 1996.

### 56000709

#### Chernouss, Pavel A.

The studies and struggle against avalances in the USSR: **The Avalanche Review**, 13(2), p. 1-3, illus., December 1994.

#### 56000710

#### Tremper, Bruce.

Simple snow stability tests: **The Avalanche Review**, 13(2), p. 4-5, 7, illus., December 1994.

#### 56000783

### Thompson, Elaine, editor (TRIAD, Winnipeg, MB, Canada).

Proceedings of the Forty-sixth annual conference of the Canadian Technical Asphalt Association: Polyscience Publications, Laval, PQ, Canada, 496 p. (French sum.), illus., 2001. ISBN: 0-921317-49-2. *Meeting:* Nov. 17-21, 2001, Toronto, ON, Canada. Includes appendix and a compact disc; Individual chapters within scope are cited separately.

### 56000784

## Wegman, Dan (Koch Materials Company, Saint Paul, MN); Weigel, Jack and Forsberg, Alan.

Evaluations of low temperature Superpave PG asphalt binders: *in* Proceedings of the Forty-sixth annual conference of the Canadian Technical Asphalt Association (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 1-11 (French sum.), illus. incl. 2 tables, 12 ref., 2001. *Meeting:* Nov. 17-21, 2001, Toronto, ON, Canada.

2/19/02 - 58 -

Kamel, N. I. (Petro-Canada Asphalt R & D, Oakville, ON, Canada) and Bahia, H. U.

Rheological and damage resistance characteristics of engineered asphalts: *in* Proceedings of the Forty-sixth annual conference of the Canadian Technical Asphalt Association (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 13-32 (French sum.), illus. incl. 5 tables, 17 ref., 2001. *Meeting:* Nov. 17-21, 2001, Toronto, ON, Canada.

#### 56000786

Abd El Halim, A. O. (Carleton University, Department of Civil and Environmental Engineering, Ottawa, ON, Canada); Hassan, Y.; Kandil, K.; Bhutta, S. A. and Davidson, K. Comparison of mechanical properties of asphalt concrete mixes with aged asphalt cements: *in* Proceedings of the Forty-sixth annual conference of the Canadian Technical Asphalt Association (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 33-49 (French sum.), illus. incl. 5 tables, 8 ref., 2001. *Meeting*: Nov. 17-21, 2001, Toronto, ON, Canada.

#### 56000787

Bishop, Michael C. (AMEC Earth and Environmental, Asphalt Pavement, Nanaimo, BC, Canada) and Oliver, Michael F.

Open graded fraction course pavements in British Columbia: *in* Proceedings of the Forty-sixth annual conference of the Canadian Technical Asphalt Association (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 99-120 (French sum.), illus. incl. 2 tables, 12 ref., 2001. *Meeting:* Nov. 17-21, 2001, Toronto, ON, Canada.

#### 56000788

Roy, Sushanta D. (Queen's University, Department of Chemistry, Kingston, ON, Canada) and Hesp, Simon A. M.

Fracture energy and critical crack tip opening displacement; fracture mechanics-based failure criteria for low-temperature grading of asphalt binders: *in* Proceedings of the Forty-sixth annual conference of the Canadian Technical Asphalt Association (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 185-212 (French sum.), illus. incl. 6 tables, 54 ref., 2001. *Meeting:* Nov. 17-21, 2001, Toronto, ON, Canada.

### 56000789

Croteau, Jean-Martin (Miller Paving, Markham, ON, Canada) and Davidson, J. Keith.

A twenty-year performance review of cold in-place recycling in North America: *in* Proceedings of the Forty-sixth annual conference of the Canadian Technical Asphalt Association (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 383-406 (French sum.), illus., 24 ref., 2001. *Meeting:* Nov. 17-21, 2001, Toronto, ON, Canada.

#### 56000790

Thompson, Elaine, editor (Canadian Technical Asphalt Association, Canada).

Compendium; cold temperature asphalt pavement cracking in Canada: Polyscience Publications, Laval, PQ, Canada, 251 p., illus., 2001. ISBN: 0-921317-51-4. Individual papers are cited separately; includes compact disc.

### Haas, R. C. G. (Asphalt Institute, Canada).

A method for designing asphalt pavements to minimize low-temperature cracking: *in* Compendium; cold temperature asphalt pavement cracking in Canada (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 1-60, illus. incl. 2 tables, 57 ref., 2001. Originally published in Asphalt Institute Research Report 73-1 (RR-73-1) Jan. 1973; includes appendices.

#### 56000792

## Keyser, Joseph Hode (University of Montreal, Polytechnic and Architecture School, Montreal, PQ, Canada) and Beraud, Philippe.

Cracking resistance of the 612 km soft asphalt road surfacing in Quebec North: *in* Compendium; cold temperature asphalt pavement cracking in Canada (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 61-95 (French sum.), illus. incl. 11 tables, sketch map, 10 ref., 2001. Originally published in French inthe Proceedings of the Canadian Technical Asphalt Association, Vol. 25, pp. 380-416, 1980; translated by Richard Langlois.

#### 56000793

## Haas, R. C. G. (University of Waterloo, Department of Civil Engineering, Waterloo, ON, Canada) and Phang, W. A.

Relationships between mix characteristics and low temperature pavement cracking: *in* Compendium; cold temperature asphalt pavement cracking in Canada (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 97-111, illus. incl. 3 tables, 23 ref., 2001. Originally published in the Proceedings of the Assiciation of Asphalt Paving Technologists, Vol. 57, pp. 290-303, 1988.

### 56000794

### McLeod, Norman W. (McAsphalt Engineering Services, Toronto, ON, Canada).

PVN as a measure of paving asphalt temperature susceptibility, and its relationship to paving asphalt specifications, paving mixture design and pavement performance: *in* Compendium; cold temperature asphalt pavement cracking in Canada (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 113-188 (French sum.), illus. incl. 8 tables, sketch map, 30 ref., 2001. Published in the Proceedings of the Canadian Technical Asphalt Association, Vol. 34, p.382-452, 1989; includes appendices.

### 56000795

## Roque, Reynaldo (University of Florida, Civil Engineering, Gainesville, FL) and Hiltunen, Dennis R.

Use of Canadian SHRP test sections to evaluate the SHRP indirect tensile creep and failure test for control of thermal cracking: *in* Compendium; cold temperature asphalt pavement cracking in Canada (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 189-210 (French sum.), illus. incl. 9 tables, 10 ref., 2001. Published in the Proceedings of the Canadian Technical Asphalt Association, Vol. 39, pp. 441-464, 1994.

### 56000796

## Garcés Rodriguez, Manuel (Queens University, Engineering, Kingston, ON, Canada); Morrison, Geoffrey R.; vanLoon, Joshua R. and Hesp, Simon A. M.

Low-temperature failure in particulate-filled asphalt binders and asphalt concrete mixes: *in* Compendium; cold temperature asphalt pavement cracking in Canada (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 211-234, illus. incl. 4 tables, 33 ref., 2001. Originally published in the Journal of the Association of Asphalt Paving Technologists, Vol. 65, pp. 159-187, 1996.

2/19/02 - 60 -

#### Anonymous.

Superpave vs the Canadian winter; low temperature performance at C-SHRP test roads: *in* Compendium; cold temperature asphalt pavement cracking in Canada (Thompson, Elaine, editor), Polyscience Publications, Laval, PQ, Canada, p. 235-243, illus. incl. 1 table, 3 ref., 2001.

### 56000799

Nohguchi, Yasuaki (National Research Institute for Earth Science and Disaster Prevention, Atmospheric and Hydrospheric Science Division, Ibaraki, Japan).

Similarity of granular avalanches: **Bosai Kagaku Gijutsu Kenkyujo Kenkyu Hokoku = Report of the National Research Institute for Earth Science and Disaster Prevention**, 61, p. 15-19, (Japanese) (English sum.), illus. incl. 4 tables, 7 ref., March 2001.

#### 56000800

Sato, Takeshi (National Research Institute for Earth Science and Disaster Prevention, Shinjo Branch of Snow and Ice Studies, Ibaraki, Japan); Kamata, Yasushi; Abe, Osamu; Kosugi, Kenji; Shimizu, Masujiro; Nakamura, Toru; Yoshikawa, Kenji; Hinzman, Larry D.; Ishikawa, Nobuyoshi and Sato, Atsushi.

Observation of air-snow-permafrost interaction at the inland of Alaska; 1, Seasonal and inter-annual variations of meteorological, soil and snow cover conditions: **Bosai Kagaku Gijutsu Kenkyujo Kenkyu Hokoku = Report of the National Research Institute for Earth Science and Disaster Prevention**, 61, p. 119-140, (Japanese) (English sum.), illus. incl. 8 tables, 21 ref., March 2001.

#### 56000803

Albert, Donald G. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Nagle, Joyce A. and Scanlon, Michael V.

Sympathetic detonator (SYDET) baseline trigger signature measurements and barrier wall effects; FY00 technical test plan: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-01-44, unpaginated, March 20, 2000. Prepared for PM-Mines, Countermines, Demolitions.

### 56000807

Carbee, David L. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Albert, Donald G.; Decato, Stephen N. and Nagle, Joyce A. Temperature signal data; SYDeT Baseline Experiment #3, Blossom Point, MD, 1-9 May 2000: ERDC/CRREL Letter Report, Rep. No. ERDC/CRREL LR-01-46, unpaginated, illus., July 2000.

### 56000808

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

SYDET acoustic signature analysis, 25-27 Jan. 2000; SYDET/RAMS IPR, Las Vegas, NV: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-01-43, unpaginated, illus., January 2000. Prepared for PM Mines, Countermines, and Demolitions.

#### 56000811

Yi, Dingrong (McGill University, Centre for Climate and Global Change Research, Montreal, PQ, Canada); Mysak, Lawrence A. and Venegas, Silvia A.

Decadal-to-interdecadal fluctuations of Arctic sea-ice cover and the atmospheric circulation during 1954-1994: **Atmosphere-Ocean**, 37(4), p. 389-415, illus., 33 ref., 1999.

LaPotin, Perry (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Kennedy, Robert; Pangburn, Timothy and Bolus, Robert.

Blended spectral classification techniques for mapping water surface transparency and chlorophyll concentration: **Photogrammetric Engineering and Remote Sensing**, 67(9), p. 1059-1065, illus. incl. 5 tables, sketch maps, 17 ref., September 2001. CRREL Report No: ERDC/CRREL MP-02-5776

#### 56000823

Majewski, Wojciech (Polish Academy of Sciences, Institute of Hydroengineering, Gdansk, Poland).

Poland, Gdansk, Vistula River and ice problems: *in* 15th international symposium on Ice; proceedings (Majewski, W., editor), **Proceedings of the ... International Symposium on Ice**, 15, Vol. II, p. 17-26, geol. sketch maps, 4 ref., 2000. *Meeting:* Aug. 28-Sept. 1, 2000, Gdansk, Poland.

#### 56000824

Shen, Hung Tao (Clarkson University, Department of Civil and Environmental Engineering, Potsdam, NY).

River ice transport theories; past, present, and future: *in* 15th international symposium on Ice; proceedings (Majewski, W., editor), **Proceedings of the ... International Symposium on Ice**, 15, Vol. II, p. 29-38, illus., 30 ref., 2000. *Meeting:* Aug. 28-Sept. 1, 2000, Gdansk, Poland.

#### 56000825

Frankenstein, Guenther E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Thirty years of ice symposia: *in* 15th international symposium on Ice; proceedings (Majewski, W., editor), **Proceedings of the ... International Symposium on Ice**, 15, Vol. II, p. 41-56, 2000. *Meeting:* Aug. 28-Sept. 1, 2000, Gdansk, Poland. CRREL Report No: ERDC/CRREL MP-02-5754

#### 56000826

**Tesaker, Einar (SINTEF Civil and Environmental Engineering, Trondheim, Norway).** Some hydraulic aspects of fish life under ice: *in* 15th international symposium on Ice; proceedings (Majewski, W., editor), **Proceedings of the ... International Symposium on Ice**, 15, Vol. II, p. 57-68, illus., 13 ref., 2000. *Meeting:* Aug. 28-Sept. 1, 2000, Gdansk, Poland.

#### 56000827

McKenzie, C. (University of Otago, Department of Physics, Dunedin, New Zealand); Langhorne, P. J. and Haskell, T. G.

Acoustic emission location and cracking in sea ice: *in* 15th international symposium on Ice; proceedings (Majewski, W., editor), **Proceedings of the ... International Symposium on Ice**, 15, Vol. II, p. 71-79, illus. incl. 1 table, 14 ref., 2000. *Meeting:* Aug. 28-Sept. 1, 2000, Gdansk, Poland.

2/19/02 - 62 -

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

Managing ice at corps of engineers locks and dams; current solutions and future needs: *in* 15th international symposium on Ice; proceedings (Majewski, W., editor), **Proceedings of the ... International Symposium on Ice**, 15, Vol. II, p. 81-89, illus. incl. 1 table, sketch map, 7 ref., 2000. *Meeting:* Aug. 28-Sept. 1, 2000, Gdansk, Poland. CRREL Report No: ERDC/CRREL MP-02-5755

#### 56000829

### Tesaker, Einar, editor.

Under ice habitat: *in* 15th international symposium on Ice; proceedings (Majewski, W., editor), **Proceedings of the ... International Symposium on Ice**, 15, Vol. II, p. 93-104, 1 table, 61 ref., 2000. *Meeting:* Aug. 28-Sept. 1, 2000, Gdansk, Poland. Report of the Working Group "Under Ice Habitat".

#### 56000883

### Seina, Ari; Gronvall, Hannu; Kalliosaari, Simo and Vainio, Jouni.

Ice seasons 1996-2000 in Finnish sea areas—Jaatalvet 1996-2000 suomen merialueilla: **Meri**, Rep. No. 43, p. 1-98, (English, Finnish), illus. incl. tables, 7 ref., 2001.

### 56000976

## Kallen, Erland (University of Stockholm, Stockholm, Sweden); Kattsov, Vladimir; Walsh, John and Weatherhead, Elizabeth C., chairpersons.

Report from the Arctic climate impact assessment modeling and scenarios workshop: University of Alaska at Fairbanks, ACIA Secretariat, Fairbanks, AK, 28 p., illus. incl. 1 table, August 2001. *Meeting:* Jan. 29-31, 2001, Stockholm, Sweden. Includes appendix. http://www.acia.uaf.edu

#### 56000977

## Lange, Manfred A. (University of Munster, Institute for Geophysics, Munster, Federal Republic of Germany).

Regional climate impact studies in the Arctic: *in* Report from the Arctic climate impact assessment modeling and scenarios workshop (Kallen, Erland, chairperson; *et al.*), University of Alaska at Fairbanks, ACIA Secretariat, Fairbanks, AK, p. 4-6, illus., 12 ref., August 2001. *Meeting:* Jan. 29-31, 2001, Stockholm, Sweden.

#### 56000978

### Loeng, Harald (Institute of Marine Research, Bergen, Norway).

Possible climate impacts on marine ecosystems: *in* Report from the Arctic climate impact assessment modeling and scenarios workshop (Kallen, Erland, chairperson; *et al.*), University of Alaska at Fairbanks, ACIA Secretariat, Fairbanks, AK, p. 7, August 2001. *Meeting:* Jan. 29-31, 2001, Stockholm, Sweden.

### 56000979

### Instanes, Arne (University Courses on Svalbard (UNIS), Longyearbyen, Norway).

Impact on Arctic infrastructure: *in* Report from the Arctic climate impact assessment modeling and scenarios workshop (Kallen, Erland, chairperson; *et al.*), University of Alaska at Fairbanks, ACIA Secretariat, Fairbanks, AK, p. 8, August 2001. *Meeting:* Jan. 29-31, 2001, Stockholm, Sweden.

## Weatherhead, Elizabeth C. (National Oceanic and Atmospheric Administration, ARL, Boulder, CO).

UV impact studies: *in* Report from the Arctic climate impact assessment modeling and scenarios workshop (Kallen, Erland, chairperson; *et al.*), University of Alaska at Fairbanks, ACIA Secretariat, Fairbanks, AK, p. 9, August 2001. *Meeting:* Jan. 29-31, 2001, Stockholm, Sweden.

#### 56000981

## Bengtsson, Lennart (Max Planck Institute for Meteorology, Hamburg, Federal Republic of Germany).

Climate change of the Arctic region as forced by global anthropogenic effects: *in* Report from the Arctic climate impact assessment modeling and scenarios workshop (Kallen, Erland, chairperson; *et al.*), University of Alaska at Fairbanks, ACIA Secretariat, Fairbanks, AK, p. 10, August 2001. *Meeting:* Jan. 29-31, 2001, Stockholm, Sweden.

#### 56000982

## Raisanen, Jouni (Swedish Meteorological and Hydrological Institute, Rossby Centre, Norrkoping, Sweden).

Intercomparison of 19 global climate change simulations from an Arctic perspective: *in* Report from the Arctic climate impact assessment modeling and scenarios workshop (Kallen, Erland, chairperson; *et al.*), University of Alaska at Fairbanks, ACIA Secretariat, Fairbanks, AK, p. 11-13, illus., 2 ref., August 2001. *Meeting:* Jan. 29-31, 2001, Stockholm, Sweden.

### 56001192

### Ragner, Claes Lykke, editor (Fridtjof Nansen Institute, Lysaker, Norway).

The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference: Kluwer Academic Publishers, Dordrecht, Netherlands, 307 p., illus. incl. tables, sketch maps, 2000. ISBN: 0-7923-6365-5. *Meeting:* Nov. 18-20, 1999, Oslo, Norway. Individual papers are cited separately.

#### 56001193

## Frank, Sergey O. (Ministery of Transport of the Russian Federation, Moscow, Russian Federation).

International shipping on the Northern Sea Route; Russia's perspective: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 7-14, 2000. *Meeting*: Nov. 18-20, 1999, Oslo, Norway.

### 56001194

### Sponheim, Lars (Norwegian Ministery of Industry and Trade, Norway).

Increased international use of the Northern Sea Route; Norway's perspective: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 15-16, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

2/19/02 - 64 -

## Peresypkin, Vsevolod I. (Central Marine Research and Design Institute, Russian Federation).

Introduction to Northern Sea Route history and INSROP's background: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 23-32, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001196

### Sawhill, Steven G. (Fridtjof Nansen Institute, Lysaker, Norway).

The Northern Sea Route basics; what is known? What is needed? What is possible? [abstr.]: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 33-34, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001197

### Saether, Rolf (Norwegian Shipowners' Association, Norway).

What do we need? The shipping industry's views on the Northern Sea Route's potential and problems: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 35-38, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001198

### Ostreng, Willy (Norwegian University of Science and Technology, Norway).

What do we know about Northern Sea Route?: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 39-50, 3 tables, sketch map, 1 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001199

### Matushenko, Nikolay I. (Russian Ministry of Transport, Shipping Policy Department, Russian Federation).

What can we offer? Russia is optimistic about the future of the Northern Sea Route: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 51-53, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### 56001200

### Sawhill, Steven G. (Fridtjof Nansen Institute, Lysaker, Norway).

INSROP's main findings [abstr.]: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 55-56, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001201

## Brigham, Lawson W. (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom).

Natural conditions, ice navigation and ship design; pushing the limits: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 57-62, illus. incl. 1 table, sketch maps, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### Moe, Kjell A. (Alpha Environmental Consultants, Norway).

Northern Sea Route activities; environmental assessments: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 63-69, sketch map, 8 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001203

### Tamvakis, Michael (City University Business School, London, United Kingdom).

The NSR's commercial potential and restraints: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 71-74, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001204

### Ostreng, Willy (Norwegian University of Science and Technology, Norway).

Strategic, legal and political implications of international shipping on the NSR: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 75-86, 1 table, 25 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001205

### Kitagawa, Hiromitsu (Hokkaido University, Hokkaido, Japan).

The INSROP simulation study: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 87-88, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001206

## Kitagawa, Hiromitsu (Hokkaido University, Department of Civil Engineering, Hokkaido, Japan).

Presentation of INSROP's simulation study of Northern Sea Route shipping: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 89-90, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001207

## Vasilyev, Vladimir (Central Marine Research and Design Institute, Navigation Laboratory, Russian Federation).

The chosen simulation routes and their ice conditions: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 91-96, sketch map, 2000. *Meeting*: Nov. 18-20, 1999, Oslo, Norway.

#### 56001208

## Semanov, Gennady N. (Central Marine Research and Design Institute, Maritime Transport Laboratory, Saint Petersburg, Russian Federation).

Legal and environmental evaluation of selected routes along the Northern Sea Route: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 97-104, 1 table, sketch map, 5 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

2/19/02 - 66 -

## Kamesaki, Kazuhiko (NKK Corporation, Ship & Marine Structure Laboratory, Tsu, Japan).

Results of the simulation study; under which scenario is Northern Sea Route navigation economically feasible?: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 105-109, illus. incl. 3 tables, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001210

### Sawhill, Steven G. (Fridtjof Nansen Institute, Lysaker, Norway).

The commercial advantages and disadvantages of the Northern Sea Route [abstr.]: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 111-112, 23 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001211

### Gold, Edgar (Oceans Institute of Canada, Canada).

Transiting the Northern Sea Route; shipping and marine insurance interests: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 113-121, 23 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001212

### Ramsland, Trond R. (Synergy Research, Bergen, Norway).

The potential for transit operations on the Northern Sea Route: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 123-132, illus. incl. 3 tables, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001213

## Anselmo, José L. (European Commission, General Directorate VII-Transport, Research and Development for Modal Transport Unit, Brussels, Belgium).

Marine transport of oil and gas from Northwest Russia to the European Union: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 133-134, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001214

### Ivanov, Ivan (FORTUM Oil and Gas Oy, Project ARCDEV, Finland).

The Northern Sea Route tariff system; present practice and future requirements; the ARCDEV experience: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 135-145, illus. incl. sketch map, 5 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

- 67 - 2/19/02

### Saeboe, Asbjorn (E&P International, Norsk Hydro, Norsk, Russian Federation).

Will Russia's Arctic oil be exported by sea?: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 147-149, sketch map, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001216

### Sawhill, Steven G. (Fridtjof Nansen Institute, Lysaker, Norway).

Actual experience of Northern Sea Route navigation [abstr.]: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 151-152, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001217

### Ushakov, Alexander P. (Northern Sea Route Administration, Russian Federation).

The real face of Northern Sea Route shipping: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 153-156, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001218

### Saavala, Juha (Fortum Oil and Gas, Finland).

Suggestions for future Northern Sea Route shipping based on Northern Sea Route experience: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 157-160, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001219

### Sawhill, Steven G. (Fridtjof Nansen Institute, Lysaker, Norway).

Technology and infrastructure for the NSR [abstr.]: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 161-162, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### 56001220

### Shinagawa, Makoto (Nippon Yusen Kaisha Line, Tramp Co-ordinating Group, Japan).

A foreign company's view of Northern Sea Route technology and infrastructure; perceived problems and uncertainities: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 163-167, 6 tables, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### 56001221

Smirnov, V. (Arctic and Antarctic Research Institute, Department for Improvement of Ice-Information System, Saint Petersburg, Russian Federation); Frolov, I.; Grishchenko, V. and Mironov, E.

Russian ice information services in the future: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 169-176, illus. incl. 1 table, sketch maps, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

2/19/02 - 68 -

### Juurmaa, Kimmo (Kvaerner Masa-Yards, Arctic Technology Group, Finland).

Future development of Northern Sea Route ship design; technology and price: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 177-184, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001223

### Ruksha, Vyacheslav (Murmansk Shipping Company, Russian Federation).

Russian experience in ensuring regular navigation along the Northern Sea Route: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 185-187, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001224

### Sawhill, Steven G. (Fridtjof Nansen Institute, Lysaker, Norway).

Securing a stable, profitable and responsible administration regime for the Northern Sea Route; political problems to be solved [abstr.]: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 189-191, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001225

### Bergman, Ronald (Nordisk Skibsrederforening, Swedish Lifeboat Association, Sweden).

What does the shipping industry expect as to administration of the Northern Sea Route?: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 193-194, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001226

### Gorshkovsky, Anatoly G. (Russian Ministry of Transport, Northern Sea Route Administration, Russian Federation) and Mikhailichenko, Vladimir V.

The future structure of Northern Sea Route administration and operations: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 195-196, 2000. *Meeting*: Nov. 18-20, 1999, Oslo, Norway.

#### 56001227

## North, Robert N. (University of British Columbia, Department of Geography, Vancouver, BC, Canada).

Financing of the Northern Sea Route infrastructure; Russian resolve and possible international contributions: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 197-203, 10 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001228

#### Yefimenko, Alona A. (Arctic Council Indigenous Peoples' Secretariat, Russian Federation).

The Arctic environment and the indigenous peoples: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 205-208, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### Brubaker, R. Douglas (Fridtjof Nansen Institute, Lysaker, Norway).

The legal regime of the Northern Sea Route; a U.S./Russian dispute with a potential to stop foreign ships?: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 209-212, 13 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001230

### Gold, Edgar (Oceans Institute of Canada, Canada).

Transit traffic on the Northern Sea Route; cargo potential and commercial viability vs. Suez, the Trans-Siberian Railway and other alternatives: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 215-216, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001231

## Brigham, Lawson W. (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom) and Sawhill, Steven G.

Future Northern Sea Route operations in a changing environment; icebreaking, ice information, and navigation requirements: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 217-218, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001232

## Osherenko, Gail (Dartmouth College, Institute of Arctic Studies, Hanover, NH) and Simonsen, Henning.

How can large-scale Northern Sea Route navigation be made compatible with international and Russian standards for environmental protection and protection of local indigenous peoples?: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 219-222, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001233

### Moe, Arild (Fridtjof Nansen Institute, Lysaker, Norway).

Marine transport of oil and gas from Northwest Russia: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 223-224, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001234

## Kitagawa, Hiromitsu (Hokkaido University, Ice and Snow Technology Laboratory, Hokkaido, Japan).

Construction and navigation of icebreaking cargo ships for the Northern Sea Route: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 225-227, 2000. *Meeting*: Nov. 18-20, 1999, Oslo, Norway.

2/19/02 - 70 -

### Brubaker, Douglas (Fridtjof Nansen Institute, Lysaker, Norway).

Profitable and stable administration of the Northern Sea Route; how can it be secured?: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 229, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### 56001236

### Lunde, Dagfinn.

Summing up the Northern Route users conference; the shipping industry's perspective: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 235-237, 2000. *Meeting*: Nov. 18-20, 1999, Oslo, Norway.

#### 56001237

## Matushenko, Nikolay I. (Russian Ministry of Transport, Shipping Policy Department, Russian Federation).

Summing up the Northern Sea Route user conference; the Russian perspective: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 239-240, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001238

### Ostreng, Willy (Norwegian University of Science and Technology, Trondheim, Norway).

The way ahead for the Northern Sea Route; a possible strategy: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 241-245, illus., 4 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001239

### Jorgensen, Anne-Kristin (Fridtjof Nansen Institute, Lysaker, Norway).

The Northern Sea Route's importance for the development of northern Russian regions: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 247-248, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001240

#### Yevdokimov, Yurv A.

The Murmansk region; Russian northern gateway to the Arctic: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 249-250, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### 56001241

### Yefremov, Anatoly A.

Significance of the Northern Sea Route for the development of the northern territories of Russia: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 251-254, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

-71 - 2/19/02

### Mikichura, Gennadiy I.

The significance of the Northern Sea Route for the development of Krasnoyarsk Territory: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 255-258, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001243

## Lovas, Stig Magnar (SINTEF Civil and Environmental Engineering, Trondheim, Norway) and Brude, Odd Willy.

INSROP GIS: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 261-263, illus. incl. sketch map, 4 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001244

## Johannessen, O. M.; Miles, M. W.; Drange, H.; Evensen, G.; Lisoeter, K. A. and Sandven, S.

Arctic Sea ice reduction; implications for the Northern Sea Route: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 265-270, illus. incl. sketch maps, 9 ref., 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001245

## Evai, Aleksander V. (Association of Indigenous Peoples of the North, Yamalo-Nenets Autonomous Okrug Branch, Russian Federation).

The Northern Sea Route and its impact on the indigenous peoples of the Russian North: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 271-273, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001246

## Malovitsky, Ya. P. (Soyuzmorgeo, Russian Federation); Dolgunov, K. A.; Martirosyan, N. N.; Kropp, E. Ya. and Kudelkin, V. V.

The Northern Sea Route; main route for the oil and gas of the twenty-first century: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 275-278, sketch map, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

#### 56001247

#### Lyras, John C.

Commercial advantages and disadvantages of the Northern Sea Route; introductory note: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 279-280, 2000. *Meeting*: Nov. 18-20, 1999, Oslo, Norway.

2/19/02 - 72 -

# Nunn, Antony S. (International Maritime Organization, International Union of Marine Insurance, United Kingdom).

Transit traffic on the Northern Sea Route; cargo potential and commercial viability via Suez, the Trans-Siberian Railroad and other alternatives: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 281-283, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### 56001249

# Basarygin, Mikhail Yu. (Department of Technics and Technology for Marine Fields Development, Gazprom, Russian Federation); Kuznetsov, Vyacheslav P.; Simonov, Yury A. and Soldatov, Yurv I.

Marine transport systems for oil export from the Prirazlomnoye oil field in the Barents Sea: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 285-289, illus. incl. 1 table, sketch map, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

### 56001250

# Rozenberg, Jokves I. (Norilsk Nickel, Russian Federation).

Norilsk Nickel and the Northern Sea Route: *in* The 21st century, turning point for the Northern Sea Route? Proceedings of the Northern Sea Route user conference (Ragner, Claes Lykke, editor), Kluwer Academic Publishers, Dordrecht, Netherlands, p. 291-292, 2000. *Meeting:* Nov. 18-20, 1999, Oslo, Norway.

# 56001251

# Nuttall, Mark (University of Aberdeen, Aberdeen, United Kingdom) and Callaghan, Terry V., editors.

The Arctic; environment, people, policy: Harwood Academic Publishers, International, 647 p., illus. incl. sketch map, tables, 2000. ISBN: 90-5823-087-2. Individual papers within scope are cited separately.

### 56001252

# Lindstrom, Maurits (University of Stockholm, Institute of Geology and Geochemistry, Stockholm, Sweden).

The geological development of the Arctic: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 3-25, illus., 2000.

### 56001253

# Siegert, Martin J. (University of Bristol, Department of Geographical Sciences, Bristol, United Kingdom) and Dowdeswell, Julian A.

Glaciology: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 27-55, illus. incl. 2 tables, sketch maps, 99 ref., 2000.

### 56001254

# Woo, Ming-ko (McMaster University, School of Geography and Geology, Hamilton, Canada).

Permafrost and hydrology: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 57-96, illus. incl. sketch map, 114 ref., 2000.

- 73 - 2/19/02

# Davis, Norman (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom).

Arctic oceanography, sea ice and climate: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 97-115, illus. incl. 12 plates, sketch maps, 14 ref., 2000.

### 56001256

Weller, Gunter (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK). The weather and climate of the Arctic: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 143-160, illus. incl. 3 tables, 43 ref., 2000. Includes appendices.

### 56001257

# Sakshaug, Egil (Norwegian University of Science and Technology, Museum of Natural History and Archaeology, Trondheim, Norway) and Walsh, John.

Marine biology; biomass, productivity distributions and their variability in the Barents and Bering seas: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 163-196, illus. incl. 2 tables, geol. sketch map, 168 ref., 2000.

### 56001258

# Vincent, Warwick F. (Université Laval, Department of Biology and Centre for Northern Studies, Laval, PQ, Canada) and Hobbie, John E.

Ecology of Arctic lakes and rivers: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 197-232, illus. incl. sketch maps, 143 ref., 2000.

# 56001259

# Matveyeva, Nadya (Komarov Botanical Institute, Saint Petersburg, Russian Federation) and Chernov, Yuri.

Biodiversity of terrestrial ecosystems: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 233-273, illus. incl. 1 table, 19 ref., 2000.

# 56001260

# Jonasson, Sven (University of Copenhagen, Department of Plant Ecology, Copenhagen, Denmark); Callaghan, Terry V.; Shaver, Gaius R. and Nielsen, Lena A.

Arctic terrestrial ecosystems and ecosystem function: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 275-313, illus., 199 ref., 2000.

### 56001261

# Lange, Manfred A. (Westfalische Wilhelms University, Institute for Geophysics, Munster, Federal Republic of Germany).

Integrated global change impact assessments: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 517-553, illus. incl. 1 table, sketch maps, 109 ref., 2000.

2/19/02 - 74 -

# De Fabo, Edward (George Washington University Medical Centre, Department of Dermatology, Washington, DC) and Bjorn, Lars Olof.

Impact of ultraviolet-B radiation in the Arctic: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 555-573, illus., 69 ref., 2000.

### 56001263

# Reiersen, Lars Otto (Arctic Monitoring and Assessment Programme, Oslo, Norway). Local and transboundary pollutants: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 575-599, illus. incl. 7 tables, 60 ref., 2000.

### 56001264

# Archer, Clive (Manchester Metropolitan University, Department of Politics and Philosophy, Manchester, United Kingdom) and Scrivener, David.

International co-operation in the arctic environment: *in* The Arctic; environment, people, policy (Nuttall, Mark, editor; *et al.*), Harwood Academic Publishers, International, p. 601-619, 74 ref., 2000.

#### 56001358

López-García, Purificación (Universidad Miguel Hernández, División de Microbiología, San Juan de Alicante, Spain); López-López, Arantxa; Moreira, David and Rodríguez-Valera, Francisco.

Diversity of free-living prokaryotes from a deep-sea site at the Antarctic Polar Front: **FEMS Microbiology. Ecology**, 36(2-3), p. 193-202, illus. incl. 3 tables, sketch map, 37 ref., July 2001.

# 56001455

# Liu, Lianwu.

Numerical modeling of river ice dynamics: 209 p., illus. incl. 11 tables, sketch maps, 75 ref., Doctoral, 2001, Clarkson University, Potsdam, NY. microfiche *Available from:* Univ. Microfilms.

# 56001457

### Yackel, John James.

On the use of synthetic aperture radar (SAR) for estimating thermodynamic evolution of snow covered first year sea ice: 245 p., illus. incl. 9 tables, sketch maps, 190 ref., Doctoral, 2001, University of Manitoba, Winnipeg, MB, Canada. microfiche *Available from:* Univ. Microfilms. Includes appendix.

### 56001474

### Sippola, Anna-Liisa (University of Lapland, Arctic Centre, Royaniemi, Finland).

Forest structure and biodiversity in northern boreal forests; effects of regeneration cutting on flying beetles and wood-decomposing fungi: **Arktisen Keskuksen Tiedotteita = Arctic Centre Reports**, 35, 254 p., illus., 2001. ISBN: 951-634-798-3. Individual papers are not cited separately.

#### 56001479

### **International Arctic Science Committee.**

Acronyms and abbreviations for the polar science community: International Arctic Science Committee, Oslo, Norway, 66 p., September 2001.

- 75 - 2/19/02

Taylor, S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Lever, J. H.

Melted-to-unmelted ratio for South Pole micrometeorites [abstr.]: *in* 64th annual meeting of the Meteoritical Society; abstracts (Consolmagno, Guy J., chairperson), **Meteoritics & Planetary Science**, 36(9, Suppl.), p. 205-206, 5 ref., September 2001. *Meeting:* Sept. 10-14, 2001, Rome, Italy. CRREL Report No: ERDC/CRREL MP-02-5770

### 56001484

Hoffmann, Georg (CEA, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Jouzel, Jean and Johnsen, Sigfus.

Deuterium excess record from central Greenland over the last millennium; hints of a North Atlantic signal during the Little Ice Age: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(13), p. 14,265-14,274, illus., 41 ref., July 16, 2001.

### 56001485

El Maayar, Mustapha (Natural Resources Canada, Edmonton, AB, Canada); Price, David T.; Delire, Christine; Foley, Jonathan A.; Black, T. Andrew and Bessemoulin, Pierre. Validation of the integrated biosphere simulator over Canadian deciduous and coniferous boreal forest stands: Journal of Geophysical Research, D, Atmospheres, 106(13), p. 14,339-1435?, illus. incl. 2 tables, 62 ref., July 16, 2001.

### 56001486

Retallack, G. J. (University of Oregon, Department of Geological Sciences, Eugene, OR); Krull, E. S. and Bockheim, J. G.

New grounds for reassessing palaeoclimate of the Sirius Group, Antarctica: **Journal of the Geological Society of London**, 158, Part 6, p. 925-935, illus. incl. strat. cols., 2 tables, geol. sketch map, 44 ref., November 2001.

# 56001487

Proshutinsky, Andrey (Woods Hole Oceanographic Institution, Woods Hole, MA); Steele, Michael; Zhang, Jinlun; Holloway, Gregory; Steiner, Nadja; Hakkinen, Sirpa; Holland, David; Gerdes, Ruediger; Koeberle, Cornelia; Karcher, Michael; Johnson, Mark; Maslowski, Wieslaw; Walczowski, Waldemar; Hibler, William and Wang, Jia.

Multinational effort studies differences among Arctic Ocean models: **Eos, Transactions, American Geophysical Union**, 82(51), p. 637, 643-644, illus. incl. geol. sketch map, 9 ref., December 18, 2001.

### 56001488

Costard, F. (Université Paris-Sud, Equipe de Géomorphologie Planétaire, Paris, France); Forget, F.; Mangold, N. and Peulvast, J. P.

Formation of recent Martian debris flows by melting of near-surface ground ice at high obliquity: **Science**, 295(5552), p. 110-113, illus., 23 ref., January 4, 2002.

#### 56001489

Herren, Evelyne Ruth (Bremgarten, Switzerland); Hoelzle, Martin and Maisch, Max, editors.

The Swiss glaciers; 1997/98 and 1998/99: **Glaciological Report**, Rep. No. 119/120, 86 p., illus. incl. 9 tables, sketch maps, 47 ref., 2001.

2/19/02 - 76 -

Black, Gerald L. (Oregon Department of Geology and Mineral Industries, Portland, OR). Geology and origin of Waldo Lake, Oregon: Lake and Reservoir Management, 16(1-2), p. 17-24, illus. incl. geol. sketch maps, 18 ref., June 2000.

### 56001491

# Gnieser, Christoph Harald.

Ecological consequences of recreation on subarctic-alpine tundra; experimental assessment and predictive modeling as planning tools for sustainable visitor management in protected areas: 486 p., illus. incl. 51 tables, sketch maps, 425 ref., Doctoral, September 2000, University of Calgary, Calgary, AB, Canada. ISBN: 0-612-54779-5 *Available from:* Univ. Microfilms. Includes appendices.

### 56001494

# Eden, David Jason.

Ice scouring as a geologic agent; Pleistocene examples from Scarborough Bluffs and a numerical model: 70 p., illus. incl. sects., 4 tables, sketch map, 156 ref., Master's, 2000, University of Toronto, Toronto, ON, Canada. ISBN: 0-612-53460-X microfiche *Available from:* Univ. Microfilms. Includes appendix.

### 56001495

# Mundy, Christopher-John.

Sea ice physical processes and biological linkages within the North Water Polynya during 1998: 123 p., illus. incl. 6 tables, sketch maps, 87 ref., Master's, June 2000, University of Manitoba, Winnipeg, MB, Canada. ISBN: 0-612-53200-3 *Available from:* Univ. Microfilms.

# 56001496

# Hooper, Michael Craig.

Impacts of a catastrophic ice storm on an old-growth, hardwood forest: 87 p. (French sum.), illus. incl. 6 tables, sketch map, Master's, July 1999, McGill University, Montreal, PQ, Canada. ISBN: 0-612-55067-2 microfiche *Available from:* Univ. Microfilms. Includes appendices.

# 56001497

# Lau, Wai-Hung Michael.

Ice forces on a faceted cone due to the passage of a level ice field: 384 p., illus. incl. 31 tables, 195 ref., Doctoral, May 1999, Memorial University of Newfoundland, Saint John's, NF, Canada. ISBN: 0-612-54848-1 microfiche *Available from:* Univ. Microfilms. Includes appendices.

### 56001499

### Hoke, John Lewis.

The interaction between the substrate and frost layer through condensate distribution: 137 p., illus. incl. 9 tables, 61 ref., Doctoral, 2000, University of Illinois at Urbana-Champaign, Champaign, IL. microfiche *Available from:* Univ. Microfilms. Includes appendices.

### 56001505

Baehr, Matthew M. In situ chemical sensor measurements in a freshwater lake; an analysis of short-term and seasonal effects of ice cover, ice out, and turnover CO<sub>2</sub>

and  $O_2$ : 163 p., illus. incl. 6 tables, 123 ref., Doctoral, 2000, University of Montana, Missoula, MT. microfiche *Available from:* Univ. Microfilms.

### Pullman, Erik Ross.

Carbon cycle dynamics in a taiga peatland: 150 p., illus. incl. 19 tables, sketch map, 107 ref., Doctoral, May 2001, Clemson University, Clemson, SC. microfiche *Available from:* Univ. Microfilms.

### 56001507

# Oeswein, Jeffrev Voit.

Durability assessment of Portland cement concrete using accelerated freeze-thaw testing: 126 p., illus. incl. 5 tables, 15 ref., Master's, December 2000, University of Louisville, Louisville, KY. microfiche *Available from:* Univ. Microfilms. Includes appendices.

#### 56001508

# Wang, Zhaomin.

A simple coupled atmosphere-ocean-sea ice-land surface-ice sheet model for climate and paleoclimate studies: 153 p. (French sum.), illus. incl. 5 tables, 122 ref., Doctoral, June 1999, McGill University, Montreal, PQ, Canada. ISBN: 0-612-55391-4 microfiche *Available from:* Univ. Microfilms. Includes appendices.

### 56001600

# Alaska Division of Geological and Geophysical Surveys.

The DGGS geologic database; putting geologic data modeling into practice: **Alaska GeoSurvey News**, 5(3), 3 p., illus., 5 ref., October 2001.

### 56001601

Nyberg, Lars (Karlstad University, Department of Environmental Sciences, Karlstad, Sweden); Stähli, Manfred; Mellander, Per-Erik and Bishop, Kevin H.

Soil frost effects on soil water and runoff dynamics along a boreal forest transect; 1, Field investigations: **Hydrological Processes**, 15(6), p. 909-926, illus. incl. 3 tables, sketch map, 23 ref., April 30, 2001.

### 56001602

Stähli, Manfred (ETH Zürich, Institute of Terrestrial Ecology, Schlieren, Switzerland); Nyberg, Lars; Mellander, Per-Erik; Jansson, Per-Erik and Bishop, Kevin H. Soil frost effects of soil water and runoff dynamics along a boreal transect; 2, Simulations: Hydrological Processes, 15(6), p. 927-941, illus. incl. 3 tables, 21 ref., April 30, 2001.

# 56001603

Weddle, Thomas K. (Maine Geological Survey, Augusta, ME) and Retelle, Michael J., editors.

Deglacial history and relative sea-level changes, northern New England and adjacent Canada: **Special Paper - Geological Society of America**, 351, 292 p., illus. incl. tables, sketch map, 2001. ISBN: 0-8137-2351-5. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME. Individual papers are cited separately.

2/19/02 - 78 -

# Borns, Harold W., Jr. (University of Maine, Department of Geological Sciences, Orono, ME).

Changing paradigms of surficial geology in Maine; from the biblical flood to glaciation: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 1-7, illus. incl. sketch map, 26 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

### 56001605

Schnitker, Detmar (University of Maine, School of Marine Sciences, Orono, ME); Belknap, Daniel F.; Bacchus, Tania S.; Friez, Julie K.; Lusardi, Barbara A. and Popek, Daniel M. Deglaciation of the Gulf of Maine: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), Special Paper - Geological Society of America, 351, p. 9-34, illus. incl. 2 tables, geol. sketch maps, 80 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

### 56001606

# Stea, Rudolph R. (Nova Scotia Department of Natural Resources, Halifax, NS, Canada); Fader, Gordon B. J.; Scott, David B. and Wu, Patrick.

Glaciation and relative sea-level change in Maritime Canada: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 35-49, illus. incl. strat. cols., geol. sketch maps, 86 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

# 56001607

# Miller, Ann A. L. (George Washington University, Department of Geology, Washington, DC); Fader, Gordon B. J. and Moran, Kathryn.

Late Wisconsinan ice advances, ice extent, and glacial regimes interpreted from seismic data, sediment physical properties, and Foraminifera; Halibut Channel, Grand Banks of Newfoundland: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 51-107, illus. incl. sects., strat. cols., sketch maps, 123 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME. Includes appendix.

# 56001608

# Thompson, Woodrow B. (Maine Geological Survey, Augusta, Maine).

Deglaciation of western Maine: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 109-123, illus. incl. sketch maps, 59 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

- 79 - 2/19/02

Tary, Anna K. (Boston University, Department of Earth Sciences, Boston, MA); FitzGerald, Duncan M. and Buynevich, Ilya V.

Late Quaternary morphogenesis of a marine-limit delta plain in Southwest Maine: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 125-149, illus. incl. block diags., sects., strat. cols., 2 tables, geol. sketch maps, 49 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland. ME.

# 56001610

Hunter, Lewis E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Smith, Geoffrey W.

Morainal banks and the deglaciation of coastal Maine: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 151-170, illus. incl. sketch map, 64 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME. CRREL Report No: ERDC/CRREL MP-02-5771

### 56001611

Ridge, John C. (Tufts University, Department of Geology, Medford, MA); Canwell, Brandy A.; Kelly, Meredith A. and Kelley, Sharon Z.

Atmospheric <sup>14</sup>C chronology for late Wisconsinan deglaciation and sea-level change in eastern New England using varve and paleomagnetic records: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 171-189, illus. incl. 3 tables, sketch map, 92 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

# 56001612

Retelle, Michael J. (Bates College, Department of Geology, Lewiston, ME) and Weddle, Thomas K.

Deglaciation and relative sea-level chronology, Casco Bay Lowland and lower Androscoggin River valley, Maine: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 191-214, illus. incl. 1 table, sketch map, 150 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

# 56001613

Dorion, Christopher C. (University of Maine, Department of Geological Sciences, Orono, ME); Balco, Gregory A.; Kaplan, Michael R.; Kreutz, Karl J.; Wright, James D. and Borns, Harold W., Jr.

Stratigraphy, paleoceanography, chronology, and environment during deglaciation of eastern Maine: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 215-242, illus. incl. strat. cols., 4 tables, geol. sketch maps, 93 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

2/19/02 - 80 -

Occhietti, Serge (Université du Québec à Montréal, Geotop, Montreal, PQ, Canada); Parent, Michel; Shilts, William W.; Dionne, Jean-Claude; Govare, Etienne and Harmand, Dominique.

Late Winconsinan glacial dynamics, deglaciation, and marine invasion in southern Quebec: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 243-270, illus. incl. 2 tables, sketch maps, 132 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

### 56001615

Dionne, Jean-Claude (Université Laval, Department of Geography and Centre d'Études Nordiques, Quebec, PQ, Canada).

Relative sea-level changes in the St. Lawrence Estuary from deglaciation to present day: *in* Deglacial history and relative sea-level changes, northern New England and adjacent Canada (Weddle, Thomas K., editor; *et al.*), **Special Paper - Geological Society of America**, 351, p. 271-284, illus. incl. strat. cols., 10 tables, geol. sketch maps, 8 ref., 2001. *Meeting:* Geological Society of America, Northeastern Section, 33rd annual meeting, March 19-21, 1998, Portland, ME.

### 56001616

Bjornstad, Bruce N. (Pacific Northwest National Laboratory, Applied Geology and Geochemistry, Richland, WA); Fecht, Karl R. and Pluhar, Christopher J.

Long history of pre-Wisconsin, ice age cataclysmic floods; evidence from southeastern Washington State: **Journal of Geology**, 109(6), p. 695-713, illus. incl. sect., 3 tables, sketch maps, 48 ref., November 2001.

### 56001617

Motz, John E. (University of Waterloo, Department of Earth Sciences, Waterloo, ON, Canada) and Morgan, Alan V.

Holocene paleoclimate and paleoecology determined from fossil Coleoptera at Brampton, Ontario, Canada: Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre, 38(10), p. 1451-1462 (French sum.), illus. incl. sketch maps, 42 ref., October 2001. Quat. Entomol. Lab., Contrib. No. 144.

# 56001618

Karlstrom, Eric T. (California State University-Stanislaus, Department of Anthropology and Geography, Turlock, CA).

Description and genesis of buried sand-filled soil wedges near Flagstaff, Arizona: **Physical Geography**, 22(2), p. 167-186, illus. incl. 3 tables, sketch map, 61 ref., April 2001.

### 56001619

Rind, D. (Columbia University, Goddard Institute for Space Studies, New York, NY); deMenocal, P.; Russell, G.; Sheth, S.; Collins, D.; Schmidt, G. and Teller, J.

Effects of glacial meltwater in the GISS coupled atmosphere-ocean model; I, North Atlantic Deep Water response: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(21), p. 27,335-27,353, illus. incl. 4 tables, geol. sketch map, November 16, 2001.

Rind, D. (Columbia University, Goddard Institute for Space Studies, New York, NY); Russell, G.; Schmidt, G.; Sheth, S.; Collins, D.; deMenocal, P. and Teller, J.

Effects of glacial meltwater in the GISS coupled atmosphere-ocean model; 2, A bipolar seesaw in Atlantic Deep Water production: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(21), p. 27,355-27,365, illus. incl. 4 tables, 13 ref., November 16, 2001.

### 56001621

Felzer, Benjamin (NCAR, CGD/CCR, Boulder, CO) and Thompson, Starley L.

Evaluation of a regional climatic model for paleoclimate applications in the Arctic: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(21), p. 27,407-27,424, illus. incl. 1 table, geol. sketch maps, 86 ref., November 16, 2001.

### 56001622

Donovan, D. P. (Royal Netherlands Meteorological Institute, De Bilt, Netherlands); van Lammeren, A. C. A. P.; Hogan, R. J.; Russchenberg, H. W. J.; Apituley, A.; Francis, P.; Testud, J.; Pelon, J.; Quante, M. and Goddard, J.

Cloud effective particle size and water content profile retrievals using combined lidar and radar observations; 2, Comparison with IR radiometer and in situ measurements of ice clouds: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(21), p. 27,449-27,464, illus. incl. 3 plates, 35 ref., November 16, 2001.

### 56001623

Harrington, Jerry Y. (Pennsylvania State University, Department of Meteorology, University Park, PA) and Olsson, Peter Q.

On the potential influence of ice nuclei on surface-forced marine stratocumulus cloud dynamics: **Journal of Geophysical Research, D, Atmospheres**, 106(21), p. 27,473-27,484, illus. incl. 1 table, 43 ref., November 16, 2001.

# 56001624

Hillamo, Risto (Finnish Meteorological Institute, Air Quality Research, Helsinki, Finland); Kerminen, Veli-Matti; Aurela, Minna; Makela, Timo; Maenhaut, Willy and Leck, Caroline. Modal structure of chemical mass size distribution in the high Arctic aerosol: Journal of Geophysical Research, D, Atmospheres, 106(21), p. 27,555-27,571, illus. incl. 1 table, geol. sketch map, 43 ref., November 16, 2001.

### 56001625

Burn, Donald H. (University of Waterloo, Civil Engineering, Waterloo, ON, Canada) and Hag Elnur, Mohamed A.

Detection of hydrologic trends and variability: **Journal of Hydrology**, 255(1-4), p. 107-122, illus. incl. 3 tables, sketch maps, 28 ref., January 2, 2002.

### 56001626

Clark, Peter U. (Oregon State University, Department of Geosciences, Corvalis, OR) and Mix, Alan C., editors.

Ice sheets and sea level of the last glacial maximum: **Quaternary Science Reviews**, 21(1-3), 454 p., illus. incl. tables, strat. cols., sketch maps, January 2002. Individual papers are cited separately.

2/19/02 - 82 -

Clark, Peter U. (Oregon State University, Department of Geosciences, Corvallis, OR) and Mix, Alan C.

Ice sheets and sea level of the last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 1-7, illus. incl. 1 table, sketch maps, 49 ref., January 2002.

### 56001628

Dyke, A. S. (Geological Survey of Canada, Terrain Sciences Division, Ottawa, ON, Canada); Andrews, John T.; Clark, Peter U.; England, J. H.; Miller, Gifford H.; Shaw, J. and Veillette, J. J.

The Laurentide and Innuitian ice sheets during the last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 9-31, illus. incl. sketch maps, 201 ref., January 2002.

### 56001629

Miller, Gifford H. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO); Wolfe, Alexander P.; Steig, Eric J.; Sauer, Peter E.; Kaplan, Michael R. and Briner, Jason P.

The Goldilocks dilemma; big ice, little ice, or "just-right" ice in the eastern Canadian Arctic: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 33-48, sect., 1 table, sketch maps, 96 ref., January 2002.

### 56001630

Anderson, John B. (Rice University, Department of Earth Science, Houston, TX); Shipp, Stephanie S.; Lowe, Ashley L.; Wellner, Julia Smith and Mosola, Amanda B.

The Antarctic ice sheet during the last glacial maximum and its subsequent retreat history; a review: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 49-70, illus. incl. sects., strat. cols., 1 table, sketch maps, 90 ref., January 2002.

# 56001631

Clague, John J. (Simon Frasier University, Department of Earth Sciences, Institute for Quaternary Research, Burnaby, BC, Canada) and James, Thomas S.

History and isostatic effects of the last ice sheet in southern British Columbia: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 71-87, illus. incl. sketch maps, 72 ref., January 2002.

# 56001632

Bowen, D. Q. (University of Cardiff, Department of Earth Sciences, Cardiff, United Kingdom); Phillips, Fred M.; McCabe, A. M.; Knutz, P. C. and Sykes, G. A.

New data for the last glacial maximum in Great Britain and Ireland: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 89-101, illus. incl. 2 tables, sketch map, 63 ref., January 2002.

### 56001633

Marks, Leszek (Warsaw University, Institute of Geology, Warsaw, Poland).

Last glacial maximum in Poland: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 103-110, strat. cols., sect., 1 table, sketch maps, 65 ref., January 2002.

Grosswald, Mikhail G. (Russian Academy of Sciences, Institute of Geography, Moscow, Russian Federation) and Hughes, Terence J.

The Russian component of an Arctic ice sheet during the last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 121-146, illus. incl. 1 table, sketch maps, 113 ref., January 2002.

### 56001635

Owen, Lewis A. (University of California at Riverside, Department of Earth Sciences, Riverside, CA); Finkel, Robert C. and Caffee, Marc W.

A note on the extent of glaciation throughout the Himalaya during the global last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 147-157, illus. incl. sketch maps, 34 ref., January 2002.

### 56001636

Barrows, Timothy T. (Australian National University, Research School of Earth Sciences, Canberra, Australia); Stone, John O.; Fifield, L. Keith and Cresswell, Richard G.

The timing of the last glacial maximum in Australia: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 159-173, illus. incl. 4 tables, sketch maps, 48 ref., January 2002.

### 56001637

Marshall, Shawn J. (University of Calgary, Department of Geography, Calgary, AB, Canada); James, Thomas S. and Clarke, Garry K. C.

North American ice sheet reconstructions at the last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 175-192, illus. incl. 3 tables, sketch maps, 64 ref., January 2002.

# 56001638

Denton, George H. (University of Maine, Institute for Quaternary and Climate Studies, Orono, ME) and Hughes, Terence J.

Reconstructing the Antarctic ice sheet at the last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 193-202, 2 tables, sketch maps, 41 ref., January 2002.

# 56001639

Huybrechts, Philippe (Alfred-Wegener-Institut für Polar-und Meeresforschung, Bremerhaven, Federal Republic of Germany).

Sea-level changes at the LGM from ice-dynamic reconstructions of the Greenland and Antarctic ice sheets during the glacial cycles: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 203-231, illus. incl. 4 tables, sketch maps, 84 ref., January 2002.

### 56001640

Hulton, N. R. J. (University of Edinburgh, Department of Geography, Edinburgh, United Kingdom); Purves, R. S.; McCulloch, R. D.; Sugden, D. E. and Bentley, M. J.

The last glacial maximum and deglaciation in southern South America: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 233-241, illus. incl. 1 table, sketch maps, 27 ref., January 2002.

2/19/02 - 84 -

Charbit, Sylvie (Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Ritz, Catherine and Ramstein, Gilles.

Simulations of Northern Hemisphere ice-sheet retreat; sensitivity to physical mechanisms involved during the last deglaciation: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 243-265, illus. incl. 2 tables, sketch maps, 108 ref., January 2002.

### 56001642

Hughes, Terence J. (University of Maine, Institute for Quaternary and Climate Studies, Orono, ME).

Calving bays: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 267-282, illus. incl. 1 table, sketch maps, 62 ref., January 2002.

### 56001643

Lea, David W. (University of California at Santa Barbara, Department of Geological Sciences and Marine Science Institute, Santa Barbara, CA); Martin, Pamela A.; Pak, Dorothy K. and Spero, Howard J.

Reconstructing a 350 ky history of sea level using planktonic Mg/Ca and oxygen isotope records from a Cocos Ridge core: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 283-293, illus. incl. 1 table, 45 ref., January 2002.

### 56001644

Waelbroeck, Claire (Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Labeyrie, Laurent; Michel, E.; Duplessy, J. C.; McManus, Jerry F.; Lambeck, Kurt; Balbon, E. and Labracherie, M.

Sea-level and deep water temperature changes derived from benthic Foraminifera isotopic records: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 295-305, illus. incl. 2 tables, 58 ref., January 2002.

### 56001645

Jouzel, Jean (Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Hoffmann, Georg; Parrenin, Frédéric and Waelbroeck, Claire.

Atmospheric oxygen 18 and sea-level changes: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 307-314, illus., 36 ref., January 2002.

# 56001646

Duplessy, Jean-Claude (Laboratoire Mixte CEA-CNRS, Laboratoire des Sciences du Climat et de l'Environnement, Gif sur Yvette, France); Labeyrie, Laurent and Waelbroeck, Claire.

Constraints on the ocean oxygen isotopic enrichment between the last glacial maximum and the Holocene; paleoceanographic implications: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 315-330, illus. incl. 4 tables, 93 ref., January 2002.

- 85 - 2/19/02

Schrag, Daniel P. (Harvard University, Department of Earth and Planetary Sciences, Cambridge, MA); Adkins, Jess F.; McIntyre, Katherine; Alexander, Jane L.; Hodell, David A.; Charles, Christopher D. and McManus, Jerry F.

The oxygen isotopic composition of seawater during the last glacial maximum: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 331-342, illus. incl. 1 table, sketch map, 33 ref., January 2002.

### 56001648

Lambeck, Kurt (Australian National University, Research School of Earth Sciences, Canberra, Australia); Yokoyama, Yusuke and Purcell, Anthony.

Into and out of the last glacial maximum; sea-level change during oxygen isotope stages 3 and 2: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 343-360, illus. incl. 1 table, sketch map, 68 ref., January 2002.

### 56001649

Milne, Glenn A. (University of Durham, Department of Geological Sciences, Durham, United Kingdom); Mitrovica, Jerry X. and Schrag, Daniel P.

Estimating past continental ice volume from sea-level data: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 361-376, illus. incl. sketch maps, 62 ref., January 2002.

#### 56001650

Peltier, W. Richard (University of Toronto, Department of Physics, Toronto, ON, Canada). On eustatic sea level history; last glacial maximum to Holocene: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 377-396, illus. incl. sketch maps, 51 ref., January 2002.

# 56001651

Shennan, Ian (University of Durham, Environmental Research Centre, Durham, United Kingdom); Peltier, W. Richard; Drummond, Rosemarie and Horton, Ben.

Global to local scale parameters determining relative sea-level changes and the post-glacial iso-static adjustment of Great Britain: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 397-408, illus. incl. sketch map, 26 ref., January 2002.

### 56001652

Peltier, W. Richard (University of Toronto, Department of Physics, Toronto, ON, Canada); Lambeck, Kurt; Yokoyama, Yusuke; Purcell, Anthony and Johnston, Paul.

Timing of the last glacial maximum from observed sea level minima; discussion and reply: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 409-418, illus., 36 ref., January 2002. For reference to original see Yokoyama, Y., Lambeck, K., De Deckker, P., Johnston, P. and Fifield, L. K., Nature, Vol. 406, p.713-716, 2000.

# 56001653

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

Isotopic balance of the Greenland ice sheet; modelled concentrations of water isotopes from 30,000 BP to present: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 419-430, illus., 48 ref., January 2002.

2/19/02 - 86 -

Alley, Richard B. (Pennsylvania State University, Department of Geosciences and Environment Institute, University Park, PA); Brook, Edward J. and Anandakrishnan, Sridhar. A northern lead in the orbital band; north-south phasing of ice-age events: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), Quaternary Science Reviews, 21(1-3), p. 431-441, illus., 75 ref., January 2002.

### 56001655

Andrews, John T. (University of Colorado, INSTAAR, Boulder, CO) and Barber, D. C. Dansgaard-Oeschger events; is there a signal off the Hudson Strait ice stream?: *in* Ice sheets and sea level of the last glacial maximum (Clark, Peter U., editor; *et al.*), **Quaternary Science Reviews**, 21(1-3), p. 443-454, illus. incl. sketch map, 81 ref., January 2002.

# 56001656

McKane, Robert B. (U. S. Environmental Protection Agency, Corvallis, OR); Johnson, Loretta C.; Shaver, Gaius R.; Nadelhoffer, Knute J.; Rastetter, Edward B.; Fry, Brian; Giblin, Anne E.; Kielland, Knut; Kwiatkowski, Bonnie L.; Laundre, James A. and Murray, Georgia.

Resource-based niches provide a basis for plant species diversity and dominance in arctic tundra: **Nature (London)**, 415(6867), p. 68-71, illus. incl. 2 tables, 26 ref., January 3, 2002.

### 56001657

Gallup, Christina D. (University of Minnesota at Duluth, Department of Geological Sciences, Duluth, MN); Cheng, H.; Taylor, F. W. and Edwards, R. L.

Direct determination of the timing of sea level change during Termination II: **Science**, 295(5553), p. 310-313, illus. incl. 1 table, sketch map, 33 ref., January 11, 2002.

## 56001661

# Bundtzen, T. K. and Conwell, C. N.

Madhatters of the Kuskokwim quicksilver mines: **Alaska Mines & Geology**, 31(1), p. 1-5, illus. incl. sketch map, 9 ref., January 1982.

### 56001662

### Bundtzen, T. K.; Eakins, G. R. and Dillon, J. T.

Strategic and selected critical minerals in Alaska summarized: **Mines & Geology Bulletin**, 29(1), p. 1-8, tables, sketch map, 4 ref., March 1980.

# 56001663

# Bundtzen, T. K. and Henning, M. W.

Barite in Alaska: Mines & Geology Bulletin, 27(4), p. 1-3, 18 ref., December 1978.

# 56001664

Robinson, M. S. (Alaska Dep. Nat. Resour., Div. Geol. Geophys. Surv., College, Alaska) and Bundtzen, T. K.

Historic gold production in Alaska; a "minisummary": **Mines & Geology Bulletin**, 28(3), p. 1-18, illus. incl. tables, sketch maps, September 1979.

Bundtzen, Tom (Div. Geol. and Geophys. Surv., Dep. Nat. Res., Alaska).

Drift miners; Alaska's incurable optimists: **Alaska Mines & Geology**, 33(1), p. 1-4, illus., 2 ref., January 1984.

### 56001666

White, K. D.; Reynolds, C. M.; Ringelberg, D.; Laible, J. P.; Foley, K. L. and Perry, L. B. Low-temperature microbial activity in river systems: Water Quality Technical Notes Collection, Rep. No. AM-11, 21 p., illus. incl. 1 table, 29 ref., September 2001. CRREL Report No: ERDC/CRREL MP-02-5781

### 56001667

Hodgson, D. A. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); Vyverman, W. and Sabbe, K.

Limnology and biology of saline lakes in the Rauer Islands, eastern Antarctica: **Antarctic Science**, 13(3), p. 255-270, illus. incl. 6 tables, sketch map, 41 ref., September 2001.

### 56001668

Skotnicki, M. L. (Australian National University, Institute of Advanced Studies, Canberra, Australia); Selkirk, P. M.; Broady, P.; Adam, K. D. and Ninham, J. A.

Dispersal of the moss Campylopus pyriformis on geothermal ground near the summits of Mount Erebus and Mount Melbourne, Victoria Land, Antarctica: **Antarctic Science**, 13(3), p. 280-285, illus., 28 ref., September 2001.

### 56001669

Emslie, Steven D. (University of North Carolina, Department of Biological Sciences, Wilmington, NC).

Radiocarbon dates from abandoned penguin colonies in the Antarctic Peninsula region: **Antarctic Science**, 13(3), p. 289-295, illus. incl. 2 tables, sketch maps, 41 ref., September 2001.

### 56001670

Hjort, C. (University of Lund, Department of Quaternary Geology, Lund, Sweden); Bentley, M. J. and Ingolfsson, O.

Holocene and pre-Holocene temporary disappearance of the George VI ice shelf, Antarctic Peninsula: **Antarctic Science**, 13(3), p. 296-301, illus. incl. 1 table, geol. sketch maps, 26 ref., September 2001.

# 56001671

Pudsey, Carol J. (British Antarctic Survey, Natural Environmental Research Council, Cambridge, United Kingdom); Evans, Jeffrey; Domack, Eugene W.; Morris, Peter and del Valle, Rodolfo A.

Bathymetry and acoustic facies beneath the former Larsen-A and Prince Gustav ice shelves, North-west Weddell Sea: **Antarctic Science**, 13(3), p. 312-322, illus. incl. geol. sketch maps, 3 tables, strat. cols., 24 ref., September 2001.

2/19/02 - 88 -

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

Intercomparison of firn core and meteorological data: **Antarctic Science**, 13(3), p. 329-337, illus. incl. geol. sketch map, 30 ref., September 2001.

### 56001673

Lachlan-Cope, Tom (British Antarctic Survey, Natural Environmental Research Council, Cambridge, United Kingdom); Ladkin, Russell; Turner, John and Davison, Paul. Observations of cloud and precipitation particles on the Avery Plateau, Antarctic Peninsula: Antarctic Science, 13(3), p. 339-348, illus. incl. 2 tables, sketch map, 30 ref., September 2001.

### 56001678

Barr, Fred J. (Western Geophysical, Houston, TX); Nyland, David L. and Sitton, Gary A. Dual sensor attenuation of flexural ice waves and random noise [abstr.]: *in* European Association of Exploration Geophysicists; 56th meeting and technical exhibition; extended abstracts of papers (oral and poster presentations) (Hussain, Ashiq, chairperson), Technical Programme and Abstracts of Papers - European Association of Exploration Geophysicists, 56, p. B031, illus., 2 ref., 1994. *Meeting*: June 6-10, 1994, Vienna, Austria.

### 56001679

Rose, William I. (Michigan Technological University, Department of Geological Engineering and Sciences, Houghton, MI); Bluth, Gregg J. S.; Schneider, David J.; Ernst, Gerald G. J.; Riley, Colleen M.; Henderson, Lydia J. and McGimsey, Robert G. Observations of volcanic clouds in their first few days of atmospheric residence; the 1992 eruptions of Crater Peak, Mount Spurr Volcano, Alaska: Journal of Geology, 109(6), p. 677-694, illus. incl. 8 tables, sketch maps, 41 ref., November 2001.

# 56001682

# Amantov, Aleksey.

The last great ice sheets; a global view on glacial pattern, geotectonic framework and structural features of glaciated areas [abstr.]: Rogaland Research, Russian Federation, illus. incl. sketch map, 2001. WWW. Accessed on 05/01/2001.

http://home.comset.net/aaman63/indexa.htm

# 56001683

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

Oceanographic data in Lützow-Holm Bay from July 1998 to December 1998 (JARE-39): **JARE Data Reports**, 253, 18 p., 5 tables, sketch map, 1 ref., March 2001.

### 56001687

Hughes, Terence J. (University of Maine, Department of Geological Sciences, Orono, ME). Glaciology [abstr.]: Geotimes, 46(7), p. 44, illus., July 2001.

Hellsten, Seppo K. (Finnish Environment Institute, Hydrology and Water Management Division, Oulu, Finland).

Effects of lake water level regulation on aquatic macrophyte stands in northern Finland and options to predict these impacts under varying conditions: **Acta Botanica Fennica**, 171, 47 p., illus. incl. 6 tables, 154 ref., 2001. Includes appendices.

### 56001689

Loyning, Terje Brinck (Norwegian Polar Institute, Polar Environmental Centre, Tromso, Norway).

Hydrography in the north-western Barents Sea, July-August 1996: **Polar Research**, 20(1), p. 1-11, illus. incl. 2 tables, sketch map, 33 ref., 2001.

#### 56001690

Casacchia, Ruggero (National Research Council, Institute of Atmospheric Pollution, Rome, Italy); Lauta, Francesca; Salvatori, Rosamaria; Cagnati, Anselmo; Valt, Mauro and Orbaek, Jon B.

Radiometric investigation of different snow covers in Svalbard: **Polar Research**, 20(1), p. 13-22, illus. incl. 4 tables, sketch map, 21 ref., 2001.

### 56001691

Hald, Morten (University of Tromso, Department of Geology, Tromso, Norway); Dahlgren, Torbjorn; Olsen, Tor-Eirik and Lebesbye, Erland.

Late Holocene palaeoceanography in Van Mijenfjorden, Svalbard: **Polar Research**, 20(1), p. 23-35, illus. incl. 1 table, sect., sketch maps, 44 ref., 2001.

### 56001692

Druzhkov, Nikolai V. (Russian Academy of Sciences, Murmansk Marine Biological Institute, Murmansk, Russian Federation); Makarevich, Pavel R. and Druzhkova, Elena I. Phytoplankton in the south-western Kara Sea; composition and distribution: Polar Research, 20(1), p. 95-108, illus. incl. 1 table, sketch maps, 39 ref., 2001.

### 56001693

Jensen, Eric J. (NASA, Ames Research Center, Moffett Field, CA); Pfister, Leonhard; Ackerman, Andrew S.; Tabazadeh, Azadeh and Toon, Owen B.

A conceptual model of the dehydration of air due to freeze-drying by optically thin, laminar cirrus rising slowly across the tropical tropopause: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(15), p. 17,237-17,252, illus. incl. 2 tables, 5 plates, 44 ref., August 16, 2001.

### 56001694

Jensen, Eric J. (NASA, Ames Research Center, Moffet Field, CA); Toon, Owen B.; Vay, Stephanie A.; Ovarlez, Joëlle; May, Randy; Bui, T. P.; Twohy, Cynthia H.; Gandrud, Bruce W.; Pueschel, Rudolf F. and Schumann, Ulrich.

Prevalence of ice-supersaturated regions in the upper troposphere; implications for optically thin ice cloud formation: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(15), p. 17,253-17,266, illus. incl. 4 plates, 1 table, geol. sketch map, 33 ref., August 16, 2001.

2/19/02 - 90 -

Yang, Ping (University of Maryland Baltimore County, Goddard Earth Science and Technology Center, Baltimore, MD); Gao, Bo-Cai; Baum, Bryan A.; Wiscombe, Warren J.; Hu, Yong X.; Nasiri, Shaima L.; Soulen, Peter F.; Heymsfield, Andrew J.; McFarquhar, Greg M. and Miloshevich, Larry M.

Sensitivity of cirrus bidirectional reflectance to vertical inhomogeneity of ice crystal habits and size distributions for two Moderate-Resolution Imaging Spectroradiometer (MODIS) bands: **Journal of Geophysical Research, D, Atmospheres**, 106(15), p. 17,267-17,291, illus. incl. 1 table, 9 plates, 65 ref., August 16, 2001.

### 56001696

Williams, Mark W. (University of Colorado, Department of Geography, Boulder, CO); Hood, Eran and Caine, Nel.

Role of organic nitrogen in the nitrogen cycle of a high-elevation catchment, Colorado Front Range: **Water Resources Research**, 37(10), p. 2569-2581, illus. incl. 2 tables, 66 ref., October 2001.

#### 56001697

Mackensen, Andreas (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Rudolph, Miriam and Kuhn, Gerhard. Late Pleistocene deep-water circulation in the subantarctic eastern Atlantic: Global and Planetary Change, 30(3-4), p. 197-229, illus. incl. 7 tables, sketch map, 82 ref., October 2001. Alfred Wegener Inst., Publ. No. 10077; SFB 261 Publ. No. 316.

### 56001698

Seidov, Dan (Pennsylvania State University, Earth System Science Center, University Park, PA); Barron, Eric J. and Haupt, Bernd J.

Meltwater and the global ocean conveyor; northern versus southern connections: **Global and Planetary Change**, 30(3-4), p. 257-270, illus. incl. 3 tables, sketch maps, 65 ref., October 2001.

### 56001699

Lonne, Ida (University Courses on Svalbard, Longyearbyen, Norway); Nemec, W.; Blikra, L. H. and Lauritsen, T.

Sedimentary architecture and dynamic stratigraphy of a marine ice-contact system: **Journal of Sedimentary Research, Section B: Stratigraphy and Global Studies**, 71(6), p. 922-943, illus. incl. strat. cols., sketch maps, 34 ref., November 2001.

# 56001700

Zhang Dianfa (Chinese Academy of Sciences, State Key Laboratory of Environmental Geochemistry, Guiyang City, China) and Wang Shijie.

Mechanism of freeze-thaw action in the process of soil salinization in Northeast China: **Environmental Geology (Berlin)**, 41(1-2), p. 96-100, illus. incl. 3 tables, 7 ref., November 2001.

### 56001701

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

Reconstruction of the paleoaccumulation rate of central Greenland during the last 75 kyr using the cosmogenic radionuclides <sup>36</sup>Cl and <sup>10</sup>Be and geomagnetic field intensity data: **Earth and Planetary Science Letters**, 193(3-4), p. 515-521, illus., 22 ref., December 15, 2001. CEA-CNRS, Lab. Sci. Climat et Environ., Contrib. No. 589.

Vigier, Nathalie (Laboratoire de Géochimie et Cosmochimie, Paris, France); Bourdon, Bernard; Turner, Simon and Allègre, Claude J.

Erosion timescales derived from U-decay series measurements in rivers: **Earth and Planetary Science Letters**, 193(3-4), p. 549-563, illus. incl. 4 tables, sketch map, 50 ref., December 15, 2001. Includes appendix.

### 56001703

Hall, Brenda L. (University of Maine, Department of Geological Sciences, Orono, ME) and Henderson, Gideon M.

Use of uranium-thorium dating to determine past <sup>14</sup>C reservoir effects in lakes; examples from Antarctica: **Earth and Planetary Science Letters**, 193(3-4), p. 565-577, illus. incl. 2 tables, sketch maps, 48 ref., December 15, 2001.

### 56001704

Yokoyama, Yusuke (Australian National University, Research School of Earth Sciences, Canberra, Australia); Esat, Tezer M. and Lambeck, Kurt.

Coupled climate and sea-level changes deduced from Huon Peninsula coral terraces of the last ice age: **Earth and Planetary Science Letters**, 193(3-4), p. 579-587, illus. incl. 1 table, sketch map, 31 ref., December 15, 2001.

#### 56001705

Bell, F. G. (University of Natal, Department of Geology and Applied Geology, Durban, South Africa).

The geotechnical properties of some till deposits occurring along the coastal areas of eastern England: **Engineering Geology**, 63(1-2), p. 49-68, illus. incl. 5 tables, sketch maps, 33 ref., January 2002.

# 56001706

Sekretov, Sergey B. (Marine Arctic Geological Expedition (MAGE), Murmansk, Russian Federation).

Northwestern margin of the East Siberian Sea, Russian Arctic; seismic stratigraphy, structure of the sedimentary cover and some remarks on the tectonic history: **Tectonophysics**, 339(3-4), p. 353-383, illus. incl. 3 tables, sketch maps, 40 ref., September 30, 2001.

### 56001707

Yamabe, T. (Saitama University, Department of Civil and Environmental Engineering, Japan) and Neaupane, K. M.

Determination of some thermo-mechanical properties of Sirahama Sandstone under subzero temperature condition: **International Journal of Rock Mechanics and Mining Sciences (1997)**, 38(7), p. 1029-1034, 8 ref., October 2001.

### 56001708

Monsen, Karstein (University of Bergen, Institute of Solid Earth Physics, Bergen, Norway) and Barton, N.

A numerical study of cryogenic storage in underground excavations with emphasis on the rock joint response: **International Journal of Rock Mechanics and Mining Sciences (1997)**, 38(7), p. 1035-1045, illus. incl. 4 tables, 7 ref., October 2001.

2/19/02 - 92 -

# Norton, David W., editor (Barrow Arctic Science Consortium, Barrow, AK).

Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska: Arctic Institute of North America, Calgary, AB, Canada, 576 p., illus. incl. tables, sketch maps, 2001. ISBN: 0-919034-98-5. Individual papers within scope are cited separately. Distributed by the University of Alaska Press, Fairbanks, Alaska.

### 56001710

# Walker, H. Jesse (Louisiana State University, Department of Geography and Anthropology, Baton Rouge, LA).

Research on the Colville River delta; lab and local support: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 15-21, illus. incl. 2 tables, sketch map, 10 ref., 2001.

### 56001711

# Schindler, John F. (2473 Captain Cook Drive, Anchorage, AK).

Naval Petroleum Reserve No. 4 and the beginnings of the Arctic Research Laboratory (ARL): *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 29-32, illus. incl. sketch map, 1 ref., 2001.

### 56001712

# Townshend, Jack (U. S. Geological Survey, College International Geophysical Observatory, Fairbanks, AK).

Fifty years of monitoring geophysical data at Barrow, Alaska: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 61-64, illus., 2001.

### 56001713

### Hanson, Wayne C. (Hanson Environmental Service, Bellingham, WA).

Monitoring of worldwide fallout-related radiation in North Slope people and animals: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 71-74, 31 ref., 2001.

### 56001714

# Elsner, Robert (University of Alaska, Institute of Marine Science, Fairbanks, AK).

Cold adaptations and fossil atmospheres; polar legacies of Irving and Scholander: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 77-80, illus., 3 ref., 2001.

### 56001715

# Koranda, John J. (19522 Via Real Drive, Saratoga, CA).

Explorations of the North Slope's ecological diversity: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 109-116, illus., 14 ref., 2001.

# Walker, H. Jesse (Louisiana State University, Department of Geography and Anthropology, Baton Rouge, LA).

Coastal processes and their influences on the people of Alaska's North Slope: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 117-122, illus., 10 ref., 2001.

#### 56001717

Hobbie, John E. (Ecosystem Center, Marine Biological Laboratory, Woods Hole, MA); Hershey, Anne E.; Lienesch, Philip W.; McDonald, Michael E.; Kling, George W. and O'Brien, W. John.

Studies of fresh waters on the North Slope: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 123-128, illus., 11 ref., 2001.

#### 56001718

# Carson, C. E. (Rt. 5, Box 22A, Fergus Falls, MN).

The oriented thaw lakes; a retrospective: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 129-137, illus., 15 ref., 2001.

### 56001719

# Laursen, Gary A. (University of Alaska at Fairbanks, Institute of Arctic Biology, Fairbanks, AK); Stephenson, Steven L. and Landolt, John C.

Higher fungi and slime molds from Arctic coastal and arcto-alpine tundra of Northern Alaska: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 139-150, illus. incl. table, 51 ref., 2001.

### 56001720

Benson, Carl S. (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK). Snow and ice research begun at and continued from NARL: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 151-161, illus., 42 ref., 2001.

#### 56001721

# Kelley, John J. (University of Alaska at Fairbanks, School of Fisheries and Ocean Sciences, Fairbanks, AK).

Contributions through NARL to monitoring and process studies of atmospheric greenhouse gases: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 163-170, illus., 13 ref., 2001.

2/19/02 - 94 -

Weeks, W. F. (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK). NARL and research on sea ice and lake ice: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 177-186, illus. incl. 1 table, sketch map, 93 ref., 2001.

### 56001723

# Alexander, Vera (University of Alaska, School of Fisheries and Ocean Sciences, Fairbanks, AK).

Marine biological studies at NARL: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 187-190, 28 ref., 2001.

### 56001724

# Brown, Jerry (P.O. Box 7, Woods Hole, MA).

NARL-based terrestrial bioenvironmental research including the U.S. IBP Tundra Biome Program, 1957-1997: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 191-200, 11 ref., 2001. Includes appendix.

# 56001725

# Clarke, Edwin S. (Clarke Engineering Company, Fairbanks, AK).

The Barrow Cold Pipe Test Facility: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 229-232, illus., 2001.

# 56001726

# Norton, David W. (Arctic Rim Research, Fairbanks, AK) and Weller, Gunter.

NARL's scientific legacies through outer continental shelf environmental studies: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 233-236, illus. incl. sketch map, 5 ref., 2001.

# 56001727

# Quakenbush, Lori T. (University of Alaska at Fairbanks, School of Fisheries and Ocean Sciences, Fairbanks, AK).

NARL's scientific legacy, bridging to the 1990s: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 279-282, illus., 21 ref., 2001.

### 56001728

# Lawver, Lawrence A. (University of Texas at Austin, Institute for Geophysics, Austin, TX); Brozena, John and Kovacs, L. C.

Aerogeophysical research in the Arctic: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 283-284, 7 ref., 2001.

# Zak, Bernard D. (Sandia National Laboratories, Albuquerque, NM); Stamnes, Knut H. and Widener, Kevin B.

The ARM North Slope of Alaska and adjacent Arctic Ocean (NSA/AAO) cloud and radiation testbed (CART) climate change research facility; carrying on the tradition: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 285-288, illus. incl. sketch maps, 2 ref., 2001.

### 56001730

# Weingartner, Thomas (University of Alaska at Fairbanks, Institute of Marine Science, Fairbanks, AK) and George, J. C.

Chukchi Sea oceanography; regional and global issues: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 297-302, sketch map, 26 ref., 2001.

#### 56001731

# Webber, Patrick J. (Michigan State University, Department of Botany and Plant Pathology, East Lansing, MI) and Hollister, Robert D.

Vegetation research and global change at Barrow: *in* Fifty more years below zero; tributes and meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska (Norton, David W., editor), Arctic Institute of North America, Calgary, AB, Canada, p. 303-312, illus., 80 ref., 2001.

### 56001732

Hodson, Andy (University of Sheffield, Department of Geography, Sheffield, United Kingdom); Tranter, Martyn; Gurnell, Angela; Clark, Mike and Hagen, Jon Ove.

The hydrochemistry of Bayelva, a high Arctic proglacial stream in Svalbard: **Journal of Hydrology**, 257(1-4), p. 91-114, illus. incl. 3 tables, sketch map, 72 ref., February 1, 2002.

#### 56001733

Beldring, Stein (Norwegian Water Resources and Energy Administration, Department of Hydrology, Oslo, Norway).

Multi-criteria validation of a precipitation-runoff model: **Journal of Hydrology**, 257(1-4), p. 189-211, illus. incl. 2 tables, sketch map, 50 ref., February 1, 2002.

### 56001734

Condon, D. J. (University of Saint Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom); Prave, A. R. and Benn, D. I.

Neoproterozoic glacial-rainout intervals; observations and implications: **Geology (Boulder)**, 30(1), p. 35-38, illus., 26 ref., January 2002.

http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=01&page=035

2/19/02 - 96 -

Koppes, Michèle N. (University of Washington, Quaternary Research Center, Seattle, WA) and Hallet, Bernard.

Influence of rapid glacial retreat on the rate of erosion by tidewater glaciers: **Geology (Boulder)**, 30(1), p. 47-50, illus. incl. sketch map, 18 ref., January 2002.

http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=01&page=047

### 56001736

Stenger, R. (National Research Center for Environment and Health, Institute of Soil Ecology, Neuherberg, Federal Republic of Germany); Priesack, E. and Beese, F.

Spatial variation of nitrate-N and related soil properties at the plot-scale: *in* Land use and sustainability; FAM research network on agroecosystems (Schröder, Peter, editor; *et al.*), **Geoderma**, 105(3-4), p. 259-275, illus. incl. 7 tables, sketch map, 27 ref., February 2002.

# 56001737

Jolly, Arthur D. (U. S. Geological Survey, Alaska Volcanic Observatory, Fairbanks, AK); Stihler, Scott D.; Power, John A.; Lahr, John C.; Paskievitch, John; Tytgat, Guy; Estes, Steve; Lockhart, Andrew D.; Moran, Seth C.; McNutt, Stephen R. and Hammond, William R.

Catalog of earthquake hypocenters at Alaskan volcanoes; January 1, 1994 through December 31, 1999: **Open-File Report - U. S. Geological Survey**, Rep. No. OF 01-0189, 22 p., 4 tables, sketch map, 20 ref., 2001. WWW. Accessed on Jan. 14, 2002; includes appendices. http://geopubs.wr.usgs.gov/open-file/of01-189/

### 56001738

### Eaton, Susan (AAPG Explorer, Tulsa, OK).

Finding gas in the fog; Grand Banks thrives in iceberg alley: **AAPG Explorer**, 23(1), p. 18-19, 24, illus. incl. sect., geol. sketch map, January 2002.

### 56001739

Jacobson, Andrew D. (University of Michigan, Department of Geological Sciences, Ann Arbor, MI); Blum, Joel D.; Chamberlain, C. Page; Poage, Michael A. and Sloan, Valerie F. Ca/Sr and Sr isotope systematics of a Himalayan glacial chronosequence; carbonate versus silicate weathering rates as a function of landscape surface age: Geochimica et Cosmochimica Acta, 66(1), p. 13-27, illus. incl. 3 tables, geol. sketch map, 63 ref., January 2002.

# 56001741

Severinghaus, Jeffrey P. (Scripps Institution of Oceanography, San Diego, CA); Grachev, Alexi and Battle, Mark.

Thermal fractionation of air in polar firn by seasonal temperature gradients: **Geochemistry, Geophysics, Geosystems - G 3**, 2, 24 p. paper number 2000GC000146, illus. incl. 3 tables, 35 ref., July 31, 2001. WWW. Accessed on August 28, 2001. http://g-cubed.org

Charette, Matthew A. (Woods Hole Oceanographic Institution, Department of Marine Chemistry and Geochemistry, Woods Hole, MA) and Buesseler, Ken O.

Does iron fertilization lead to rapid carbon export in the Southern Ocean?: Geochemistry, Geophysics, Geosystems - G 3, 1, 3345 words (paper number 2000GC000069) p., illus., October 13, 2000. WWW. Accessed on September 10, 2001.

http://g-cubed.org

### 56001743

Benkovitz, Carmen M. (Brookhaven National Laboratory, Upton, NY); Miller, Mark A. and Schwartz, Stephen E.

Dynamic influences on the distribution and loading of SO, and sulfate over North America, the North Atlantic, and Europe in April 1987: Geochemistry, Geophysics, Geosystems - G 3, 2, 32 p. paper number 2000GC000129, illus. incl. sketch maps, animations, 35 ref., June 12, 2001. WWW. Includes appendices; accessed on August 27, 2001. http://g-cubed.org

#### 56001744

Boucot, A. J. (Oregon State University, Department of Zoology, Corvallis, OR) and Gray,

A critique of Phanerozoic climatic models involving changes in the CO<sub>2</sub> content of the atmosphere: **Earth-Science Reviews**, 56(1-4), p. 1-159, illus., 675 ref., December 2001.

#### 56001745

# Francey, Roger.

More on ice cores: **Aurora**, 19(2), p. 3-4, illus., 1999.

## 56001746

Dyson, Peter; Devlin, John; Morris, Ray and Breed, Anthony.

Tiger eyes look south for space weather research: Aurora, 20(1), p. 3-7, illus., 2000.

### 56001747

# Renouf, Jonathan.

The icing on the lake: **Geographical Magazine (London)**, 72(11), p. 62-65, illus., 2000.

### 56001748

# Rolston, Holmes, III.

Environmental ethics on Antarctic ice: **Polar Record**, 36(199), p. 289-290, 2000.

### 56001749

### Beck, Peter J.

The UN and Antarctica, 1999; the continuation of consensus: **Polar Record**, 36(199), p. 291-296, 2000.

# 56001750

# Vaughan, Stephen.

Can Antarctic sea-ice extent be determined from whaling records?: **Polar Record**, 36(199), p. 345-346, 2000.

2/19/02 - 98 -

Sharma, S. D., leader (National Physical Laboratory, Radio and Atmospheric Science Division, New Delhi, India).

Scientific report; Fourteenth Indian expedition to Antarctica: **Technical Publication - Department of Ocean Development**, 12, 361 p., illus. incl. tables, sketch maps, 1998. Individual papers are cited separately.

### 56001752

Hosalikar, K. S. (India Meteorological Department, New Delhi, India) and Machnurkar, P. N.

Report on meteorological and climatological studies at Maitri, Antarctica: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication - Department of Ocean Development**, 12, p. 25-46, illus. incl. 7 tables, 1998.

### 56001753

Sudhakar Rao, G. (India Meteorological Department, New Delhi, India); Gaonkar, S. B.; Hosalikar, K. S. and Machnurkar, P. N.

Meteorological studies during summer part of 14th Indian Antarctic expedition: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication** - **Department of Ocean Development**, 12, p. 109-119, illus., 3 ref., 1998.

#### 56001754

Bejarniya, B. R. (Geological Survey of India, Antarctic Division, Faridabad, India); Ravikant, V. and Kundu, Amitava.

Glaciological studies in Schirmacher Hills and on ice shelf during XIV Antarctica expedition: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication - Department of Ocean Development**, 12, p. 121-126, illus. incl. 2 tables, sketch maps, 1998.

# 56001755

# Singh, Ravinder (Naval Hydrographic Office, Dehradun, India).

Hydrographic survey of approaches to Indian Bay Antarctic region: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication - Department of Ocean Development**, 12, p. 159-169, illus., 1998.

### 56001756

### Nair, Sushima R. (NEERI, Nagpur, India).

Maitri; environmental perspective: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication - Department of Ocean Development**, 12, p. 245-280, illus. incl. 19 tables, sketch map, 1998.

### 56001757

# Kane, S. A. (DRDO, R&DE (Engineers), Poona, India).

XIIth winter report 1995-96: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication - Department of Ocean Development**, 12, p. 281-312, illus. incl. sketch map, 1998. Includes appendices.

# Deshmukh, Ninad P. (DRDO, R&DE (Engineers), Pune, India).

XIV Indian Antarctic expedition XII winter report: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication - Department of Ocean Development**, 12, p. 313-322, illus., 1998.

### 56001759

# Joshi, Arun (All India Institute of Medical Sciences, New Delhi, India); Bhargava, Rachna and Sachdeva, U.

Mental distress among winter-over personnel in Antarctica: *in* Scientific report; Fourteenth Indian expedition to Antarctica (Sharma, S. D., leader), **Technical Publication - Department of Ocean Development**, 12, p. 333-341, illus. incl. 3 tables, 18 ref., 1998.

### 56001760

# Law, Phillip.

Naming Antarctic features: Aurora, 20(2), p. 16-18, 2000.

### 56001761

### Anonymous.

Cold desert in Trans-antarctic: **Antarctic**, 16(3), p. 62-63, illus., 1998. Article is incomplete.

### 56001762

# Anonymous.

Study of Southern Ocean ecosystems: **Antarctic**, 16(3), p. 64-65, 1998.

### 56001763

Robertson, A. (University of Colorado, Boulder, CO); Overpeck, J.; Rind, D.; Mosley-Thompson, E.; Zielinski, G.; Lean, J.; Koch, D.; Penner, J.; Tegen, I. and Healy, R. Hypothesized climate forcing time series for the last 500 years: Journal of Geophysical Research, D, Atmospheres, 106(14), p. 14,783-14,803, illus. incl. 3 plates, 3 tables, geol. sketch maps, 91 ref., July 27, 2001.

### 56001764

### U. S., Minerals Management Service, Alaska Outer Continental Shelf Program.

Alaska annual studies plan; FY 2003: 200 p., illus. incl. sketch maps, 13 ref., 2001. *Available from:* U. S., Minerals Management Service, Alaska Outer Continental Shelf Region, Anchorage, AK, United States.

### 56001766

Gilbertson, Craig (Minnesota Department of Transportation, Office of Minnesota Materials and Road Research, Maplewood, MN); Skok, Gene; Watson, Dennis; Wilson, Tom and Worel, Benjamin.

Asphalt overlay cost-effectiveness; Manitoba and Minnesota SPS-5 projects; 10-year ranking of treatments: Rep. No. MN/RC-2000-31, 42 p., illus. incl. 16 tables, sketch maps, 6 ref., 2000. *Available from:* Minnesota Department of Transportation, Saint Paul, MN, United States. Progress report.

2/19/02 - 100 -

Brümmer, B. (University of Hamburg, Meteorological Institute, Hamburg, Federal Republic of Germany); Thiemann, S. and Kirchgässner, A.

A cyclone statistics for the Arctic based on European centre re-analysis data: **Meteorology and Atmospheric Physics**, 75(3-4), p. 233-250, illus. incl. 2 tables, sketch maps, 17 ref., 2000.

### 56001768

# Anonymous.

The global climate system in 2000: **WMO Bulletin**, 50(3), p. 201-206, illus. incl. sketch map, July 2001.

### 56001769

McGuffie, Kendal (University of Technology, Department of Applied Physics, Sydney, N.S.W., Australia) and Henderson-Sellers, A.

Forty years of numerical climate modelling: **International Journal of Climatology**, 21(9), p. 1067-1109, illus. incl. 5 tables, 250 ref., July 2001.

### 56001770

# Lockwood, J. G. (4 Woodthorne Croft, Leeds, United Kingdom).

Abrupt and sudden climatic transitions and fluctuations; a review: **International Journal of Climatology**, 21(9), p. 1153-1179, illus. incl. 1 table, 120 ref., July 2001.

#### 56001771

Petenkko, Igor V. (Russian Academy of Sciences, Institute of Atmospheric Physics, Moscow, Russian Federation) and Argentini, Stefania.

The daily behavior of pressure and its influence on the wind regime in East Antarctica during the winters of 1993 and 1994: **Journal of Applied Meteorology**, 40(7), p. 1255-1264, illus. incl. sketch maps, 21 ref., July 2001.

### 56001772

Mahesh, Ashwin (University of Washington, Department of Atmospheric Sciences, Seattle, WA); Walden, Von P. and Warren, Stephen G.

Ground-based infrared remote sensing of cloud properties over the Antarctic Plateau; Part I, Cloud-base heights: **Journal of Applied Meteorology**, 40(7), p. 1265-1278, illus. incl. 4 tables, 27 ref., July 2001.

# 56001773

Mahesh, Ashwin (University of Washington, Department of Atmospheric Sciences, Seattle, WA); Walden, Von P. and Warren, Stephen G.

Ground-based infrared remote sensing of cloud properties over the Antarctic Plateau; Part II, Cloud optical depths and particle sizes: **Journal of Applied Meteorology**, 40(7), p. 1279-1294, illus., 32 ref., July 2001.

### 56001774

Zängl, Günther (Universität München, Meteorologisches Institut, Munich, Federal Republic of Germany) and Hoinka, Klaus P.

The tropopause in the polar regions: **Journal of Climate**, 14(14), p. 3117-3139, illus. incl. 1 table, sketch map, 28 ref., July 15, 2001. Includes appendices.

# Ye, Hengchun (University of Idaho, Department of Geography, Moscow, ID).

Characteristics of winter precipitation variation over northern central Eurasia and their connections to sea surface temperatures over the Atlantic and Pacific Oceans: **Journal of Climate**, 14(14), p. 3140-3155, illus. incl. 2 tables, sketch maps, 92 ref., July 15, 2001.

### 56001776

# Schumacher, Rolf (Alfred-Wegener-Institut für Polar- und Meersforchung, Potsdam, Federal Republic of Germany).

Messung von optischen Eigenschaften troposphärischer Aerosole in der Arktis [Measurements of optical properties for tropospheric aerosols in the Arctic]: **Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research**, 386, 153 p. (English sum.), illus. incl. tables, 132 ref., 2001. Includes appendices.

### 56001777

# Holme, Philip.

Field and scientific data report; Sirius Group study, Allan Hills, South Victoria Land, Antarctica, Nov. 1999-Jan. 2000: **Antarctic Data Series**, 23, 61 p., illus. incl. tables, sketch map, 3 ref., April 2001.

### 56001778

### Atkins, Cliff and Barrett, Peter.

Field report for 1997 on glacial deposits at Allan Hills, Antarctica: **Antarctic Data Series**, 22, 36 p., illus. incl. tables, sketch map, 4 ref., August 2000.

## 56001779

# Zielinski, Susanne (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany).

Probleme hoher Stoffwechselraten bei Cephalopoden aus verschidenen geographischen Breiten [Problems of high metabolic rates within Cephalopoda from different geographical latitudes]: **Berichte zur Polarforschung**, 338, 198 p. (English sum.), illus., 308 ref., 1999.

### 56001781

Mock, Cary J. (University of South Carolina, Department of Geography, Columbia, SC) and Birkeland, Karl W.

Snow avalanche climatology of the Western United States mountain ranges: **Bulletin of the American Meteorological Society**, 81(10), p. 2367-2392, illus. incl. 5 tables, sketch maps, 65 ref., October 2000.

#### 56001782

Gladyshev, Sergey (Hokkaido University, Hokkaido, Japan); Martin, Seelye; Riser, Steve and Figurkin, Alexander.

Dense water production on the northern Okhotsk shelves; comparison of ship-based spring-summer observations for 1996 and 1997 with satellite observations: **Journal of Geophysical Research**, **C**, **Oceans**, 105(11), p. 26,281-26,300, November 15, 2000.

2/19/02 - 102 -

Dierssen, H. M. (University of California at Santa Barbara, Department of Oceanography, Santa Barbara, CA) and Smith, R. C.

Bio-optical properties and remote sensing ocean color algorithms for Antarctic Peninsula waters: **Journal of Geophysical Research, C, Oceans**, 105(11), p. 26,301-26,312, illus. incl. 3 tables, geol. sketch map, 48 ref., November 15, 2000.

### 56001784

Maksym, Ted (University of Alaska, Fairbanks, AK) and Jeffries, Martin O.

A one-dimensional percolation model of flooding and snow ice formation on Antarctic sea ice: **Journal of Geophysical Research, C, Oceans**, 105(11), p. 26,313-26,332, illus., 74 ref., November 15, 2000.

#### 56001785

Murton, Julian (University of Sussex, Centre for Environmental Research, Sussex, United Kingdom).

Buried basal ice of the Laurentide ice sheet, Tuktoyaktuk coastlands, Western Canadian Arctic: **Geoscientist**, 10(12), p. 4-5, illus. incl. sketch map, 7 ref., December 2000.

### 56001787

Linderson, Maj-Lena (Lund University, Department of Physical Geography, Lund, Sweden).

Objective classification of atmospheric circulation over southern Scandinavia: **International Journal of Climatology**, 21(2), p. 155-169, illus. incl. 2 tables, 34 ref., February 2001.

## 56001788

Hanna, Edward (University of Reading, Department of Meteorology, Reading, United Kingdom) and Valdes, Paul.

Validation of ECMWF (re)analysis surface climate data, 1979-1998, for Greenland and implications for mass balance modelling of the ice sheet: **International Journal of Climatology**, 21(2), p. 171-195, illus. incl. 7 tables, 25 ref., February 2001.

### 56001789

Benestad, Rasmus E. (Norwegian Meteorological Institute, Oslo, Norway).

The cause of warming over Norway in the ECHAM4/OPYC3 GHG integration: **International Journal of Climatology**, 21(3), p. 371-387, illus. incl. 4 tables, 43 ref., March 15, 2001.

# 56001790

Aizen, Elena M. (University of California at Santa Barbara, Donald Bren School of Environmental Scoence and Management, Santa Barbara, CA); Aizen, Vladimir B.; Melack, John M.; Nakamura, Tsutomu and Ohta, Takeshi.

Precipitation and atmospheric circulation patterns at mid-latitudes of Asia: **International Journal of Climatology**, 21(5), p. 535-556, illus. incl. 4 tables, 38 ref., April 2001.

### 56001791

Busuioc, Aristita (Goteborg University, Department of Earth Sciences, Goteborg, Sweden); Chen, Deliang and Hellstrom, Cecilia.

Performance of statistical downscalling models in GCM validation and regional climate change estimates; application for Swedish precipitation: **International Journal of Climatology**, 21(5), p. 557-578, illus. incl. 3 tables, geol. sketch maps, 32 ref., April 2001.

Biggar, Kevin W. (University of Alberta, Department of Civil and Environmental Engineering, Edmonton, AB, Canada) and Kong, Vivien.

An analysis of long-term pile load tests in permafrost from the short range radar site foundations: **Canadian Geotechnical Journal = Revue Canadienne de Géotechnique**, 38(3), p. 441-460 (French sum.), illus. incl. 4 tables, 9 ref., June 2001.

### 56001793

Gibbs, W. Wayt.

The Arctic oil & wildlife refuge: **Scientific American**, 284(5), p. 62-69, illus., May 2001.

### 56001794

Hutterli, Manuel A. (University of Arizona, Department of Hydrology and Water Resources, Tucson, AZ); McConnell, Joseph R.; Stewart, Richard W.; Jacobi, Hans-Werner and Bales, Roger C.

Impact of temperature-driven cycling of hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) between air and snow on the planetary boundary layer: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(14), p. 15,395-15,404, illus. incl. 2 tables, 42 ref., July 27, 2001.

### 56001795

Gemmell, Fraser (P. O. Box 5193, Leicester, United Kingdom); Varjo, Jari and Strandstrom, Mikael.

Estimating forest cover in a boreal forest test site using thematic mapper data from two dates: **Remote Sensing of Environment**, 77(2), p. 197-211, illus. incl. 2 tables, 47 ref., August 2001. Includes appendices.

### 56001796

Vaughan, David G. (Natural Environment Research Council, British Antarctic Survey, Cambridge, United Kingdom); Marshall, Gareth J.; Connolley, William M.; King, John C. and Mulvaney, Robert.

Devil in the detail: **Science**, 293(5536), p. 1777-1779, sketch maps, 24 ref., September 7, 2001.

### 56001797

Dionne, Jean-Claude (Université Laval, Département de Géographie, Sainte Foy, PQ, Canada).

À propos du Labrador Sector de la Laurentide ice sheet [Labrador sector of the Laurentide ice sheet]: **Bulletin - AQQUA**, 27(2), p. 3-13, 1 table, sketch maps, 77 ref., 2001.

# 56001798

# Strother, George C.

Alaska Society of Professional Land Surveyors: **ACSM Bulletin**, 193, p. 16-17, illus., October 2001.

# 56001799

Seina, Ari; Gronvall, Hannu; Kalliosaari, Simo; Vainio, Jouni; Eriksson, Patrick and Lundqvist, Jan-Eric.

WMO sea ice nomenclature; terminology for the Baltic Sea in English, Finnish and Swedish—WMO merijaasanasto; itameren termisto Englanniksi, Suomeksi ja Ruotsiksi—WMO havsis terminologi for ostersjon pa Engelska, Finska och Svenska: **Meri**, Rep. No. 43, p. 99-132, (English, Finnish, Swedish), illus., 2001.

2/19/02 - 104 -

Rengefors, Karin (Uppsala University, Department of Limnology, Uppsala, Sweden) and Legrand, Catherine.

Toxicity in Peridinium aciculiferum; an adaptive strategy to outcompete other winter phytoplankton?: **Limnology and Oceanography**, 46(8), p. 1990-1997, illus. incl. 4 tables, 1 plate, 32 ref., December 2001.

### 56001801

Blais, Jules M. (University of Alberta, Department of Biological Sciences, Edmonton, AB, Canada); Schindler, David W.; Sharp, Martin J.; Braekevelt, Eric; Lafrenière, Melissa; McDonald, Karen; Muir, Derek C. G. and Strachan, William M. J.

Fluxes of semivolatile organochlorine compounds in Bow Lake, a high altitude, glacier-fed, subalpine lake in the Canadian Rocky Mountains: **Limnology and Oceanography**, 46(8), p. 2019-2031, illus. incl. 6 tables, sketch map, 40 ref., December 2001.

### 56001802

Stedmon, C. A. (National Environmental Research Institute, Department of Marine Ecology, Roskilde, Denmark) and Markager, S.

The optics of chromophoric dissolved organic matter (CDOM) in the Greenland Sea; an algorithm for differentiation between marine and terrestrially derived organic matter: **Limnology and Oceanography**, 46(8), p. 2087-2093, illus. incl. 3 tables, sketch map, 27 ref., December 2001.

### 56001803

Badeck, Franz W. (Potsdam Institute for Climate Impact Research (PIK), Potsdam, Federal Republic of Germany); Lischke, Heike; Bugmann, Harald; Hickler, Thomas; Hönninger, Karl; Lasch, Petra; Lexer, Manfred J.; Mouillot, Florent; Schaber, Jörg and Smith, Benjamin.

Tree species composition in European pristine forests; comparison of stand data to model predictions: *in* How much physiology is needed in forest gap models for simulating long-term vegetation response to global change? (Bugmann, Harald, editor; *et al.*), **Climatic Change**, 51(3-4), p. 307-347, illus. incl. 7 tables, 65 ref., December 2001. (Special issue in cooperation with Global Change and Terrestrial Ecosystem project). *Meeting:* July 1999, Pingaree Park, CO.

### 56001804

Bugmann, Harald K. M. (Swiss Federal Institute of Technology Zurich, Mountain Forest Ecology, Zurich, Switzerland); Wullschleger, Stan D.; Price, David T.; Ogle, Kiona; Clark, Donald F. and Solomon, Allen M.

Comparing the performance of forest gap models in North America: *in* How much physiology is needed in forest gap models for simulating long-term vegetation response to global change? (Bugmann, Harald, editor; *et al.*), **Climatic Change**, 51(3-4), p. 349-388, illus. incl. 8 tables, 74 ref., December 2001. (Special issue in cooperation with Global Change and Terrestrial Ecosystem project). *Meeting:* July 1999, Pingaree Park, CO.

- 105 - 2/19/02

Price, David T. (Natural Resources Canada, Canadian Forest Service, Edmonton, AB, Canada); Zimmermann, Niklaus E.; van der Meer, Peter J.; Lexer, Manfred J.; Leadley, Paul; Jorritsma, Irma T. M.; Schaber, Jörg; Clark, Donald F.; Lasch, Petra; McNulty, Steve; Wu, Jianguo and Smith, Benjamin.

Regeneration in gap models; priority issues for studying forest responses to climate change: *in* How much physiology is needed in forest gap models for simulating long-term vegetation response to global change? (Bugmann, Harald, editor; *et al.*), **Climatic Change**, 51(3-4), p. 475-508, illus. incl. 3 tables, 181 ref., December 2001. (Special issue in cooperation with Global Change and Terrestrial Ecosystem project). *Meeting:* July 1999, Pingaree Park, CO.

### 56001806

Keane, Robert E. (U. S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Missoula, MT); Austin, Mike; Field, Christopher; Huth, Andreas; Lexer, Manfred J.; Peters, Debra; Solomon, Allen M. and Wyckoff, Peter.

Tree mortality in gap models; application to climate change: *in* How much physiology is needed in forest gap models for simulating long-term vegetation response to global change? (Bugmann, Harald, editor; *et al.*), **Climatic Change**, 51(3-4), p. 509-540, illus. incl. 1 table, 162 ref., December 2001. (Special issue in cooperation with Global Change and Terrestrial Ecosystem project). *Meeting:* July 1999, Pingaree Park, CO.

### 56001807

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

Glacial isostatic adjustment on a rotating Earth: **Geophysical Journal International**, 147(3), p. 562-578, illus., 61 ref., December 2001.

#### 56001808

Thiede, Jörn (Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Bauch, Henning A.; Hjort, Christian and Mangerud, Jan, editors

The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN: **Global and Planetary Change**, 31(1-4), p. 1-474, illus. incl. tables, sketch maps, November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway. Subsequent workshop held in Lund, Sweden, April 2000; individual papers are cited separately.

http://www.pangaea.de/Projects/QUEEN

# 56001809

Jakobsson, Martin (Stockholm University, Department of Geology and Geochemistry, Stockholm, Sweden); Lovlie, R.; Arnold, E. M.; Backman, J.; Polyak, L.; Knutsen, J. O. and Musatov, E.

Pleistocene stratigraphy and paleoenvironmental variation from Lomonosov Ridge sediments, central Arctic Ocean: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 1-22, illus. incl. sects., 1 table, sketch map, 58 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway. *Foraminifera, Ostracoda, nannofossils* 

2/19/02 - 106 -

Vogt, Christoph (Universität Bremen, Geowissenschaften/Geo Sciences, Kiel, Federal Republic of Germany); Knies, Jochen; Spielhagen, Robert F. and Stein, Ruediger.

Detailed mineralogical evidence for two nearly identical glacial/deglacial cycles and Atlantic water advection to the Arctic Ocean during the last 90,000 years: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 23-44, illus. incl. sects., 2 tables, sketch map, 63 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

http://www.pangaea.de

### 56001811

Knies, Jochen (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Kleiber, Hans-Peter; Matthiessen, Jens; Müller, Claudia and Nowaczyk, Norbert R.

Marine ice-rafted debris records constrain maximum extent of Saalian and Weichselian ice-sheets along the northern Eurasian margin: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 45-64, illus. incl. sects., 3 tables, sketch maps, 70 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

### 56001812

Matthiessen, Jens (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Knies, Jochen; Nowaczyk, Norbert R. and Stein, Ruediger. Late Quaternary dinoflagellate cyst stratigraphy at the Eurasian continental margin, Arctic Ocean; indications for Atlantic water inflow in the past 150,000 years: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), Global and Planetary Change, 31(1-4), p. 65-86, illus. incl. sects., 4 tables, sketch map, 91 ref., November 2001. *Meeting*: Annual QUEEN workshop, April 1999, Oystese, Norway. *Coccolithophoraceae, Foraminifera* http://www.pangae.de

### 56001813

Stein, Ruediger (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Boucsein, B.; Fahl, K.; Garcia de Oteyza, T.; Knies, Jochen and Niessen, Frank.

Accumulation of particulate organic carbon at the Eurasian continental margin during late Quaternary times; controlling mechanisms and paleoenvironmental significance: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 87-104, illus. incl. sects., 4 tables, sketch map, 61 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

# 56001814

Kleiber, Hans-Peter (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Niessen, Frank and Weiel, Dominik.

The late Quaternary evolution of the western Laptev Sea continental margin, Arctic Siberia; implications from sub-bottom profiling: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 105-124, illus. incl. sects., 3 tables, sketch maps, 64 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway. Alfred Wegener Inst., Contrib. No. 1523.

Bauch, Henning A. (GEOMAR, Kiel, Federal Republic of Germany); Mueller-Lupp, T.; Taldenkova, E.; Spielhagen, Robert F.; Kassens, H.; Grootes, P. M.; Thiede, Jörn; Heinemeier, J. and Petryashov, V. V.

Chronology of the Holocene transgression at the North Siberian margin: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 125-139, illus. incl. block diags., 2 tables, sketch maps, 49 ref., November 2001. *Meeting*: Annual QUEEN workshop, April 1999, Oystese, Norway.

http://www.pangaea.de

### 56001816

Naidina, Olga D. (Russian Academy of Sciences, Institute of the Lithosphere of Marginal Seas, Moscow, Russian Federation) and Bauch, Henning A.

A Holocene pollen record from the Laptev Sea shelf, northern Yakutia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 141-153, illus. incl. sects., sketch map, 63 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

http://www.pangaea.de

### 56001817

Corner, Geoffrey D. (University of Tromso, Department of Geology, Tromso, Norway); Kolka, Vasili V.; Yevzerov, Vladimir Y. and Moller, Jakob J.

Postglacial relative sea-level change and stratigraphy of raised coastal basins on Kola Peninsula, Northwest Russia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 155-177, illus. incl. sects., 1 table, sketch maps, 50 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway. *diatoms, pollen* 

# 56001818

Lysa, Astrid (Geological Survey of Norway, Trondheim, Norway); Demidov, Igor; Houmark-Nielsen, Michael and Larsen, Eiliv.

Late Pleistocene stratigraphy and sedimentary environment of the Arkhangelsk area, Northwest Russia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 179-199, illus. incl. block diags., 3 tables, sketch map, 43 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

### 56001819

Kjaer, Kurt H. (University of Copenhagen, Geological Museum, Copenhagen, Denmark); Demidov, Igor; Houmark-Nielsen, Michael and Larsen, Eiliv.

Distinguishing between tills from Valdaian ice sheets in the Arkhangelsk region, Northwest Russia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 201-214, illus. incl. sects., geol. sketch map, 50 ref., November 2001. *Meeting*: Annual QUEEN workshop, April 1999, Oystese, Norway.

2/19/02 - 108 -

Houmark-Nielsen, Michael (University of Copenhagen, Geological Institute, Copenhagen, Denmark); Demidov, Igor; Funder, Svend; Grosfjeld, Kari; Kjaer, Kurt H.; Larsen, Eiliv; Lavrova, Nadya; Lysa, Astrid and Nielsen, Jan K.

Early and middle Valdaian glaciations, ice-dammed lakes and periglacial interstadials in Northwest Russia; new evidence from the Pyoza River area: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 215-237, illus. incl. sects., 1 table, sketch map, 44 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

#### 56001821

Manley, William F. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO); Lokrantz, Hanna; Gataullin, Valery; Ingolfsson, Olafur; Forman, Steven L. and Andersson, Torbjorn.

Late Quaternary stratigraphy, radiocarbon chronology, and glacial history at Cape Shpindler, southern Kara Sea, Arctic Russia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 239-254, illus. incl. sects., 2 tables, sketch map, 30 ref., November 2001. *Meeting*: Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001822

Andreev, Andrei A. (Alfred-Wegener-Institut für Polar- und Meeresforschung, Potsdam, Federal Republic of Germany); Manley, William F.; Ingolfsson, Olafur and Forman, Steven L.

Environmental changes on Yugorski Peninsula, Kara Sea, Russia, during the last 12,800 radiocarbon years: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 255-264, illus. incl. sect., 1 table, sketch map, 28 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001823

Kienast, Frank (Alfred Wegener Institut für Polar und Meeresforschung, Potsdam, Federal Republic of Germany); Siegert, Christine; Dereviagin, Alexandr and Mai, Dieter Hans. Climatic implications of late Quaternary plant macrofossil assemblages from the Taymyr Peninsula, Siberia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), Global and Planetary Change, 31(1-4), p. 265-281, illus. incl. 1 table, sketch maps, 36 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001824

Astakhov, Valery I. (Saint Petersburg University, Geological Faculty, Saint Petersburg, Russian Federation).

The stratigraphic framework for the upper Pleistocene of the glaciated Russian Arctic; changing paradigms: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 283-295, sects., 53 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

- 109 - 2/19/02

Henriksen, Mona (University of Bergen, Department of Geology, Bergen, Norway); Mangerud, Jan; Maslenikova, Olga; Matiouchkov, Alexei and Tveranger, Jan.

Weichselian stratigraphy and glaciotectonic deformation along the lower Pechora River, Arctic Russia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 297-319, illus. incl. sects., 3 tables, sketch map, 48 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

#### 56001826

Mangerud, Jan (University of Bergen, Department of Geology, Bergen, Norway); Astakhov, Valery I.; Murray, Andrew and Svendsen, John-Inge.

The chronology of a large ice-dammed lake and the Barents-Kara ice sheet advances, northern Russia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 321-336, illus. incl. sects., 1 table, sketch maps, 25 ref., November 2001. *Meeting*: Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001827

Maslenikova, Olga (Institute of Remote Sensing Methods for Geology, Saint Petersburg, Russian Federation) and Mangerud, Jan.

Where was the outlet of the ice-dammed Lake Komi, northern Russia?: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 337-345, illus. incl. sects., sketch maps, 25 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001828

Gey, Valery (Geological Expedition, Saint Petersburg, Russian Federation); Saarnisto, Matti; Lunkka, Juha Pekka and Demidov, Igor.

Mikulino and Valdai palaeoenvironments in the Vologda area, NW Russia: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 347-366, illus. incl. sects., sketch maps, 17 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001829

Siegert, Martin J. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom); Dowdeswell, Julian A.; Hald, Morten and Svendsen, John-Inge.

Modelling the Eurasian ice sheet through a full (Weichselian) glacial cycle: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 367-385, illus. incl. 1 table, sketch maps, 60 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

2/19/02 - 110 -

Saarnisto, Matti (Geological Survey of Finland, Espoo, Finland) and Saarinen, Timo. Deglaciation chronology of the Scandinavian ice sheet from the Lake Onega Basin to the Salpausselka end moraines: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), Global and Planetary Change, 31(1-4), p. 387-405, illus. incl. sects., 2 tables, sketch maps, 45 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway. IGCP Project No. 253.

#### 56001831

Lunkka, Juha Pekka (Geological Survey of Finland, Espoo, Finland); Saarnisto, Matti; Gey, Valery; Demidov, Igor and Kiselova, Vera.

Extent and age of the last glacial maximum in the southeastern sector of the Scandinavian ice sheet: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 407-425, illus. incl. sects., 2 tables, sketch maps, 32 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001832

Alexanderson, Helena (Lund University, Department of Quaternary Geology, Lund, Sweden); Hjort, Christian; Moller, Per; Antonov, Oleg and Pavlov, Maksim.

The North Taymyr ice-marginal zone, Arctic Siberia; a preliminary overview and dating: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 427-445, illus. incl. 1 table, sketch maps, 36 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001833

Karhu, Juha A. (Geological Survey of Finland, Espoo, Finland); Tschudi, Silvio; Saarnisto, Matti; Kubik, Peter and Schlüchter, Christian.

Constraints for the latest glacial advance on Wrangel Island, Arctic Ocean, from rock surface exposure dating: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 447-451, 1 table, sketch map, 19 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001834

Gataullin, Valery (Oil and Gas Research Institute, Riga, Latvia); Mangerud, Jan and Svendsen, John-Inge.

The extent of the late Weichselian ice sheet in the southeastern Barents Sea: *in* The late Quaternary stratigraphy and environments of northern Eurasia and the adjacent Arctic seas; new contributions from QUEEN (Thiede, Jörn, editor; *et al.*), **Global and Planetary Change**, 31(1-4), p. 453-474, illus. incl. sects., sketch maps, 39 ref., November 2001. *Meeting:* Annual QUEEN workshop, April 1999, Oystese, Norway.

## 56001835

Rundgren, M. (Lund University, Department of Quaternary Geology, Lund, Sweden) and Bennike, O.

Century-scale changes of atmospheric CO<sub>2</sub> during the last interglacial: **Geology (Boulder)**, 30(2), p. 187-189, illus. incl. sketch map, 30 ref., February 2002.

http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=02&page=0187

- 111 - 2/19/02

Wei, Wuchang (Scripps Institution of Oceanography, San Diego, CA) and Hayward, Bruce W.

Global deep-sea extinctions during the Pleistocene ice ages; discussion and reply: **Geology** (**Boulder**), 30(2), p. 191, 4 ref., February 2002. For reference to original see Hayward, B. W., Geology (Boulder), Vol. 29, p. 599-602, 2001.

http://www.gsajournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=02&page=0191

#### 56001837

Shiklomanov, A. I. (Arctic and Antarctic Research Institute, Saint Petersburg, Russian Federation); Lammers, R. B. and Vorosmarty, C. J.

Widespread decline in hydrological monitoring threatens Pan-Arctic research: **Eos, Transactions, American Geophysical Union**, 83(2), p. 13, 16-17, illus. incl. 1 table, geol. sketch map, 9 ref., January 8, 2002.

## 56001877

Moran, M. L. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Greenfield, R. J.; Arcone, S. A. and Delaney, A. J.

Delineation of a complexly dipping temperate glacier bed using short-pulse radar arrays: **Journal of Glaciology**, 46(153), p. 274-286, illus. incl. sketch map, 43 ref., 2000. Includes appendix. CRREL Report No: ERDC/CRREL MP-02-5779

#### 56001878

Leonard, Gregory H. (Clarkson University, Department of Civil and Environmental Engineering, Potsdam, NY); Shen, Hayley H. and Ackley, Steven F.

Initiation and evolution of pancake ice in a wave field: **Antarctic Journal of the United States**, 32(5), p. 53-55, illus., 1998. CRREL Report No: ERDC/CRREL MP-02-5780

## 56001879

Hawes, I. (National Institute of Water and Atmospheric Research, Christchurch, New Zealand); Smith, R.; Howard-Williams, C. and Schwarz, A. M.

Environmental conditions during freezing, and response of microbial mats in ponds of the McMurdo Ice Shelf, Antarctica: **Antarctic Science**, 11(2), p. 198-208, 19 ref., June 1999.

## 56001880

Mangani, Filippo (Universita di Urbino, Istituto di Scienze Chimiche "F. Bruner", Urbino, Italy); Maione, Michela and Lattanzi, Luciano.

Significance of selected halocarbons monitoring in air samples collected in the Terra Nova Bay region (northern Victoria Land, Antarctica): **Antarctic Science**, 11(2), p. 261-264, illus. incl. 3 tables, 13 ref., June 1999.

## 56001881

Melvold, Kjetil and Rolstad, Cecilie Eie.

Subglacial topography of Jutulstraumen outlet glacier, East Antarctica, mapped from ground-penetrating radar, optical and interferometric synthetic aperture radar satellite data: **Norsk Geografisk Tidsskrift**, 54(4), p. 169-181, illus., 2000.

2/19/02 - 112 -

Pearce, Fred.

Age of iron and ice: **New Scientist (1971)**, 168(2260), p. 11, illus., 2000.

#### 56001883

Leary, Warren E.

Cool design idea is put to the test: **The Polar Times**, 2(15), p. 6, illus., 2000.

#### 56001884

Sun Liguang (University of Science and Technology of China, Institute of Polar Environment, Hefei, China); Xie Zhouqing; Zhao Junlin and Xiang Liang.

<sup>210</sup>Pb, <sup>137</sup>Cs dating of lake sediments from Ardley Island (maritime Antarctic) and their environmental implications: **Hupo Kexue = Journal of Lake Sciences**, 13(1), p. 93-96, (Chinese) (English sum.), illus. incl. 1 table, 12 ref., March 2001.

## 56001885

Bentley, C. R. (University of Wisconsin, Geophysical and Polar Research Center, Madison, WI); Stenoien, M. D.; Shabtaie, S.; Liu, C. and Lord, N.

Studies of the West Antarctic ice sheet, 1996-1997: **Antarctic Journal of the United States**, 32(5), p. 39-41, illus., 6 ref., 1998.

## 56001886

Bindschadler, Robert A. (NASA, Goddard Space Flight Center, National Aeronautics and Space Administration, Greenbelt, MD); Chen, Xin and Vornberger, Patricia L. Surface velocity and strain rates at the onset of Ice Stream D, West Antarctica: Antarctic Journal of the United States, 32(5), p. 41-43, illus., 4 ref., 1998.

## 56001887

Alley, Richard B. (Pennsylvania State University, Earth System Science Center and Department of Geosciences, University Park, PA); Spencer, Matthew K. and Voigt, Donald E. Visible examination of Siple Dome, West Antarctica, shallow cores: Antarctic Journal of the United States, 32(5), p. 44-45, illus., 3 ref., 1998.

#### 56001888

Kreutz, Karl J. (University of New Hampshire, Climate Change Research Center, Durham, NH); Mayewski, Paul A.; Twickler, Mark S.; Whitlow, Sallie I. and Meeker, L. David. Glaciochemical studies at Siple Dome, West Antarctica, during the 1996-1997 season: Antarctic Journal of the United States, 32(5), p. 46-48, illus., 6 ref., 1998.

## 56001889

Stewart, Jennifer (University of Kansas, Department of Physics and Astronomy, Lawrence, KS); Braaten, David A. and Bennett, Carole.

Characterization of wind-generated snow surface features on the Ross Ice Shelf, Antarctica: **Antarctic Journal of the United States**, 32(5), p. 48-50, illus. incl. 1 table, 8 ref., 1998.

Braaten, David A. (University of Kansas, Department of Physics and Astronomy, Lawrence, KS).

Characterization of snow accumulation variability on the Ross Ice Shelf, Antarctica: **Antarctic Journal of the United States**, 32(5), p. 50-52, illus., 3 ref., 1998.

## 56001891

Jeffries, Martin O. (University of Alaska-Fairbanks, Geophysical Institute, Fairbanks, AK). Describing the composition of sea-ice cores and the development of the Antarctic sea-ice cover: Antarctic Journal of the United States, 32(5), p. 55-56, illus., 4 ref., 1998.

## 56001892

Jacobs, Stanley S. (Lamont-Doherty Earth Observatory, Palisades, NY).

Deep coastal oceanography from McMurdo Sound to Marguerite Bay: **Antarctic Journal of the United States**, 32(5), p. 57-58, illus., 9 ref., 1998.

#### 56001893

Martinson, Douglas G. (Lamont-Doherty Earth Observatory, Palisades, NY). Surface ice-drifters in the Weddell-Scotia confluence for the DOVETAIL program: Antarctic Journal of the United States, 32(5), p. 67-68, illus., 8 ref., 1998.

#### 56001894

Smith, Walker O., Jr. (University of Tennessee at Knoxville, Department of Ecology and Evolution Biology, Knoxville, TN); White, Ann-Maree; Polk, Scott and Mathot, Sylvie. AESOPS (Antarctic Environment Southern Ocean Process Study) process I study; winter-spring transition: Antarctic Journal of the United States, 32(5), p. 79-81, illus. incl. sketch map, 3 ref., 1998.

## 56001895

Reed, H. Lester (Madigan Army Medical Center, Department of Medicine, Tacoma, WA) and LeMar, Homer.

Increased energy requirements for humans residing in Antarctica; a proposed model: **Antarctic Journal of the United States**, 32(5), p. 111-112, 8 ref., 1998.

#### 56001896

Palinkas, Lawrence A. (University of California at San Diego, Department of Family and Preventive Medicine, La Jolla, CA); Reed, H. Lester and Do, Nhan.

Association between the Polar T<sub>3</sub> Syndrome and the Winter-Over Syndrome in Antarctica: **Antarctic Journal of the United States**, 32(5), p. 112-114, illus., 12 ref., 1998.

#### 56001897

Reedy, Kathleen R. (Food and Drug Administration, Center for Drug Evaluation and Research, Rockville, MD) and Reed, H. Lester.

Measuring metabolic change in humans residing in Antarctica; a thyroxine supplement placebo control trial: **Antarctic Journal of the United States**, 32(5), p. 114-115, 8 ref., 1998.

2/19/02 - 114 -

Holm-Hansen, Osmund (University of California at San Diego, Polar Research Program, La Jolla, CA); Hewes, Christopher D.; Maturana, Jenny; Rios, Lorena and Gonzalez-Rodas, Gaston.

AMLR program; phytoplankton distribution and its relationship to different water zones characterized by physical oceanographic parameters, January to February 1997: **Antarctic Journal of the United States**, 32(5), p. 122-124, illus. incl. sketch maps, 5 ref., 1998.

#### 56001899

Amos, A. F. (University of Texas at Austin, Marine Science Institute, Port Aransas, TX); Wickham, A. R. and Rowe, C. C.

AMLR program; midsummer 1997 in the Elephant Island area; a month of warm surface waters and calm winds: **Antarctic Journal of the United States**, 32(5), p. 135-136, illus., 4 ref., 1998.

## 56001900

Carrillo, Christopher J. (University of Hawaii, Department of Oceanography, Honolulu, HI) and Karl, David M.

Palmer LTER program; underway semicontinuous measurements of surface ocean carbon dioxide concentrations: **Antarctic Journal of the United States**, 32(5), p. 146-148, illus. incl. 1 table, 4 ref., 1998.

#### 56001901

Moline, Mark A. (California Polytechnic State University, Department of Biological Sciences, San Luis Obispo, CA); Prézelin, Barbara B. and Schofield, Oscar.

Palmer LTER; stable interannual successional patterns of phytoplankton communities in the coastal waters off Palmer Station, Antarctica: **Antarctic Journal of the United States**, 32(5), p. 151-153, illus. incl. sketch map, 7 ref., 1998.

## 56001902

Day, Thomas A. (Arizona State University, Department of Plant Biology, Tempe, AZ); Ruhland, Christopher T. and Xiong, Fusheng.

Impacts of ultraviolet-B radiation and regional warming on Antarctic vascular plants: **Antarctic Journal of the United States**, 32(5), p. 155-156, 6 ref., 1998.

#### 56001903

Booth, Nathaniel (University of Colorado, Institute for Arctic and Alpine Research, Boulder, CO); Kasmer, David and McKnight, Diane.

Characteristics of streams in the Garwood Valley, McMurdo dry valleys: **Antarctic Journal of the United States**, 32(5), p. 158-160, 3 tables, 4 ref., 1998.

## 56001904

Kasmer, David (University of Colorado, Institute for Arctic and Alpine Research, Boulder, CO); Booth, Nathaniel and McKnight, Diane.

A comparison of two separate visits to the Alph River system with the Onyx River system: **Antarctic Journal of the United States**, 32(5), p. 160-162, 3 tables, 2 ref., 1998.

## 56001905

Hansen, Anthony D. A. (Magee Scientific Company, Berkeley, CA).

Measurement of combustion effluent aerosols from Amundsen-Scott South Pole Station: **Antarctic Journal of the United States**, 32(5), p. 163-164, illus., 1998.

- 115 - 2/19/02

Lowenthal, Douglas H. (Desert Research Institute, Reno, NV); Chow, Judith C. and Mazzera, David M.

PM<sub>10</sub> source apportionment at McMurdo Station, Antarctica: **Antarctic Journal of the United States**, 32(5), p. 165-167, illus. incl. 1 table, 10 ref., 1998.

## 56001907

Ramos, Ricardo (National Oceanic and Atmospheric Administration, Corps of Commissioned Officers, Boulder, CO) and Peterson, James.

Clean-air monitoring at Amundsen-Scott South Pole Station, 1996-1997: **Antarctic Journal of the United States**, 32(5), p. 167-169, illus., 2 ref., 1998.

#### 56001908

Holmes, Robert E. (University of Wisconsin, Space Science and Engineering Center, Madison, WI); Stearns, Charles R. and Weidner, George A.

Antarctic automatic weather stations; 1995-1996: **Antarctic Journal of the United States**, 32(5), p. 171-174, 1 table, sketch map, 2 ref., 1998.

#### 56001909

Stearns, Charles R. (University of Wisconsin, Space Science and Engineering Center, Madison, WI); Holmes, Robert E. and Weidner, George A.

Antarctic automatic weather stations; 1996-1997: **Antarctic Journal of the United States**, 32(5), p. 174-178, 1 table, sketch map, 2 ref., 1998.

#### 56001910

Stearns, Charles R. (University of Wisconsin, Space Science and Engineering Center, Madison, WI).

Ross Island area wind field: **Antarctic Journal of the United States**, 32(5), p. 181-182, 1 table, sketch map, 4 ref., 1998.

## 56001911

Wendler, G. (University of Alaska-Fairbanks, Fairbanks, AK); Moore, B.; Dissing, D. and Kelley, J.

On the reflectivity and radiation budget of Antarctic sea ice: **Antarctic Journal of the United States**, 32(5), p. 182-185, illus., 7 ref., 1998.

## 56001912

Warren, Stephen G. (University of Washington, Department of Atmospheric Science, Seattle, WA); Roesler, Collin S. and Brandt, Richard E.

Solar radiation processes in the East Antarctic sea-ice zone: **Antarctic Journal of the United States**, 32(5), p. 185-187, illus., 3 ref., 1998.

#### 56001913

Di Donfrancesco, Guido (Ente per le Nuove Tecnologie, L'Energia e L'Ambiente Casaccia, Rome, Italy); Adriani, Alberto and Cairo, Francesco.

Lidar observations of stratospheric aerosol and temperatures at McMurdo Station during 1996: **Antarctic Journal of the United States**, 32(5), p. 190-191, illus., 5 ref., 1998.

2/19/02 - 116 -

Stearns, Charles R. (University of Wisconsin, Space Science and Engineering Center, Madison, WI) and Young, John T.

The Antarctic Meteorological Research Center; 1997: **Antarctic Journal of the United States**, 32(5), p. 207-209, illus. incl. 1 table, 2 ref., 1998.

## 56001915

Williams, Richard S., Jr. (U. S. Geological Survey, Woods Hole, MA); Ferrigno, Jane G.; Swithinbank, Charles; Lucchitta, Baerbel K.; Seekings, Barbara A. and Rosanova, Christina E.

Glaciological delineation of the dynamic coastline of Antarctica: **Antarctic Journal of the United States**, 32(5), p. 225-227, sketch map, 20 ref., 1998. Reprinted from Antarctic Journal, Vol. 32, No. 2, 1997.

## 56001916

Alley, Richard B. (Pennsylvania State University, Earth System Science and Department of Geosciences, University Park, PA).

Land-ice studies; Antarctica and sea-level change: **Antarctic Journal of the United States**, 32(5), p. 228-230, 24 ref., 1998. Reprinted from the Antarctic Journal of the United States, Vol. 32, No. 2, 1997.

### 56001917

Frankenstein, Susan (Clarkson University, Department of Civil and Environmental Engineering, Potsdam, NY) and Shen, Hayley.

Laboratory observations of ice-floe processes made during long-term drift and collision experiments: **Antarctic Journal of the United States**, 32(5), p. 237-239, 1 table, 4 ref., 1998. Reprinted from the Antarctic Journal of the United States, Vol. 32, No. 6, 1997.

## 56001918

Field, L. Jay (NOAA); Fall, James, A.; Nighswander, Thomas S.; Peacock, Nancy and Varanasi, Usha, editors.

Evaluating and communicating subsistence seafood safety in a cross-cultural context; lessons learned from the Exxon Valdez oil spill: SETAC, Pensacola, FL, 338 p., illus. incl. 28 tables, sketch maps, 1999. ISBN: 1-880611-37-6.

## 56001919

Kochtubajda, B. (Environment Canada, Atmospheric Environment Branch, Edmonton, AB, Canada); Stewart, Ronald E.; Gyakum, J. R.; Flannigan, M. D. and Hudak, D. R. Lightning and radar studies over the forested areas of the Mackenzie Basin: *in* Proceedings of the GAME-MAGS international workshop, Research Report of IHAS, 7, p. 23-26, illus. incl. 1 table, 9 ref., April 2000. *Meeting*: Nov. 25-27, 1999, Edmonton, AB, Canada.

## 56001920

Bagdonas, Sigitas (Lietuvos Zemes Ukio Universitetas, Lithuania).

Oro salnu prognoze Kauno kraste [Frost prognosis in weather in Kaunas District]: **Geografija - Vilniaus Universitetas**, 34(2), p. 19-21 (English sum.), 2 tables, 3 ref., 1998.

- 117 - 2/19/02

## Wiesmann, Andreas (Gamma Remote Sensing, Bern, Switzerland); Wegmüller, Urs; Strozzi, Tazio and Werner, Charles L.

The use of JERS SAR within the boreal forest mapping project SIBERIA: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 1, p. 13-15, illus. incl. 2 tables, sketch maps, 1 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

#### 56001922

## Hildebrand, Peter H. (NASA, Goddard Space Flight Center, Greenbelt, MD).

Hail growth and recirculation in a multicellular hailstorm observed during VORTEX-95: *in* IGARSS 2000; IEEE 2000 international Geoscience and remote sensing symposium; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 1, p. 313-315, illus., 9 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

#### 56001923

## Barkman, Jack (Smedjeviksvagen 10B/B18, Helsinki, Finland).

Potamogeton rutilus Wolfg. och Najas tenuissima (A. Braun) Magnus i sjon Grundtrask i Esbo, mellersta Nyland [Potamogeton rutilus Wolg. and Najas tenuissima (A. Braun) Magnus of Grundtrask Lake and Esbo, central Nyland]: **Memoranda Societatis Pro Fauna et Flora Fennica**, 76(1-2), p. 1-5 (English sum.), 1 table, sketch map, 27 ref., 2000.

## 56001924

Lehvo, Annamaija (Finnish Environment Institute, Helsinki, Finland) and Back, Saara. Notes on the phytobenthos, northeastern Gulf of Finland: **Memoranda Societatis Pro Fauna et Flora Fennica**, 76(1-2), p. 7-13, illus. incl. 1 table, sketch map, 17 ref., 2000.

## 56001925

## Bruun, Henrik H. (Abo Akademi University, Turku, Finland).

Inventering av lunglaven (Lobaria pulmonaria) pa Aland ar 1997 [An inventory of the lichen Lobaria pulmonaria in the Province of Aland, SW Finland]: **Memoranda Societatis Pro Fauna et Flora Fennica**, 76(1-2), p. 15-21 (English sum.), illus. incl. 3 tables, sketch map, 17 ref., 2000.

## 56001926

## Hallsdottir, Margret (Icelandic Institute of Natural History, Reykjavik, Iceland).

Birch pollen abundance in Reykjavik, Iceland: **Grana**, 38(6), p. 368-373, illus. incl. 3 tables, sketch map, 17 ref., 1999.

#### 56001927

## Pyle, Thomas; Haugland, Jan Erling and Reymert, Per Kyrre.

Svalbard offers extensive logistics capabilities: Witness the Arctic, 6(2), p. 8, illus. incl. sketch map, 1998.

## 56001928

Gindl, Wolfgang (University of Agricultural Sciences, Institute of Botany, Vienna, Austria). Climatic significance of light rings in timberline spruce, Picea abies, Austrian Alps: Arctic, Antarctic, and Alpine Research, 31(3), p. 242-246, illus. incl. 1 table, sketch map, 39 ref., August 1999.

2/19/02 - 118 -

Illeris, Lotte (University of Copenhagen, Department of Plant Ecology, Copenhagen, Denmark) and Jonasson, Sven.

Soil and plant CO<sub>2</sub> emission in response to variations in soil moisture and temperature and to amendment with nitrogen, phosphorus, and carbon in northern Scandinavia: **Arctic, Antarctic, and Alpine Research**, 31(3), p. 264-271, illus., 36 ref., August 1999.

#### 56001930

Welker, J. M. (University of Wyoming, Department of Renewable Resources, Wyoming); Brown, K. B. and Fahnestock, J. T.

CO<sub>2</sub> flux in Arctic and alpine dry tundra; comparative field responses under ambient and experimentally warmed conditions: **Arctic, Antarctic, and Alpine Research**, 31(3), p. 272-277, illus., 42 ref., August 1999.

#### 56001931

Gustina, Gregory (University of Vermont Burlington, Department of Botany, Burlington, VT) and Hoffmann, James P.

Periphyton dynamics in a subalpine mountain stream during winter: Arctic, Antarctic, and Alpine Research, 32(2), p. 127-134, illus. incl. 2 tables, 53 ref., May 2000.

## 56001932

Pepin, Nick (University of Portsmouth, Department of Geography, Portsmouth, United Kingdom).

Twentieth-century change in the climate record for the Front Range, Colorado, U.S.A.: **Arctic, Antarctic, and Alpine Research**, 32(2), p. 135-146, illus. incl. 11 tables, sketch map, 41 ref., May 2000. Includes appendix.

### 56001933

Hofer, Rudolf (University of Innsbruck, Institute for Zoology and Limnology, Innsbruck, Austria); Kühnl, Michael and Psenner, Roland.

Seasonal changes of the gill epithelia of Arctic char (Salvelinus alpinus) from a high mountain lake: **Aquatic Sciences**, 62(4), p. 297-307, 24 ref., 2000.

#### 56001934

Hofer, Rudolf (University of Innsbruck, Institute of Zoology and Limnology, Innsbruck, Australia); Stoll, Marion; Romani, Nikolaus; Koch, Franz and Sordyl, Holmer.

Seasonal changes in blood cells of Arctic char (Salvelinus alpinus L.) from a high mountain lake: **Aquatic Sciences**, 62(4), p. 308-319, illus., 33 ref., 2000.

## 56001935

Lundberg, A. (Lulea University of Technology, Lulea, Sweden); Thunehed, H. and Bergström, J.

Impulse radar snow surveys; influence of snow density: **Nordic Hydrology**, 31(1), p. 1-14, 1 table, 2000.

## 56001936

Knox, Robert.

Standing watch; ship news: **Explorations (La Jolla, CA)**, 7(1), p. 34, illus., 2000.

- 119 - 2/19/02

## Jakobsen, F. (Danish Hydraulic Institute, Horsholm, Denmark).

The wind influence on the Jutland coastal current interpreted on the basis of some observations: **Nordic Hydrology**, 31(2), p. 127-148, 2000.

## 56001938

## Anokhin, G. I. (Rossiiskaia Akademiia Nauk, Russkoe Geograficheskoe Obshchestvo, Russian Federation).

K severnomu polyusu na vozdushnom share [Ballooning toward the North Pole]: **Vestnik Rossiiskoi Akademii Nauk**, 70(5), p. 446-454, illus. incl. sketch map, May 2000.

## 56001939

## Juberthie, Christian (Laboratoire Souterrain de CNRS, Moulis, France).

The diversity of the karstic and pseudokarstic hypogean habitats in the world: *in* Subterranean ecosystems (Wilkens, Horst, editor; *et al.*), **Ecosystems of the World**, 30, p. 17-39, illus. incl. sects., block diags., 154 ref., 2000.

#### 56001940

Gordon, C. (Hadley Centre Climate Prediction Research, Bracknell, United Kingdom); Cooper, C.; Senior, C. A.; Banks, H.; Gregory, J. M.; Johns, T. C.; Mitchell, J. F. B. and Wood, R. A.

The simulation of SST, sea ice extents and ocean heat transports in a version of the Hadley Centre coupled model without flux adjustments: **Climate Dynamics**, 16(2-3), p. 147-168, 3 tables, geol. sketch maps, 87 ref., 2000.

### 56001941

Tait, Andrew (NASA, Goddard Space Flight Ceter, Universities Space Research Association, Greenbelt, MD); Hall, Dorothy Hall; Foster, Jim; Chang, Al and Klein, Andrew. Detection of snow cover using millimeter-wave imaging radiometer (MIR) data: Remote Sensing of Environment, 68(1), p. 53-60, illus. incl. 1 table, 19 ref., April 1999.

#### 56001942

## Klein, David R. (University of Alaska Fairbanks, Institute of Arctic Biology, Fairbanks, AK).

Arctic grazing systems and industrial development; can we minimize conflicts?: *in* Proceedings of the Human role in reindeer/caribou systems workshop, **Polar Research**, 19(1), p. 91-98, 23 ref., 2000. *Meeting:* Feb. 10-14, 1999, Rovaniemi, Finland.

## 56001943

Lee, Susan E. (University of Shefield, Department of Animal and Plant Sciences, Sheffield, United Kingdom); Press, Malcolm C.; Lee, John A.; Ingold, Tim and Kurttila, Terhi. Regional effects of climate change on reindeer; a case study of the Muotkatunturi region in Finnish Lapland: *in* Proceedings of the Human role in reindeer/caribou systems workshop, **Polar Research**, 19(1), p. 99-105, illus. incl. 1 table, 1 table, 21 ref., 2000. *Meeting:* Feb. 10-14, 1999, Rovaniemi, Finland.

2/19/02 - 120 -

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

Temporal and spatial variation of surface air temperature over the period of instrumental observations in the Arctic: **International Journal of Climatology**, 20(6), p. 587-614, sketch maps, 162 ref., May 2000.

#### 56001945

Hantel, Michael (Universität Wien, Institut für Meteorologie und Geophysik, Vienna, Austria); Ehrendorfer, Martin and Haslinger, Annemarie.

Climate sensitivity of snow cover duration in Austria: **International Journal of Climatology**, 20(6), p. 615-640, illus. incl. 4 tables, sketch map, 28 ref., May 2000.

#### 56001946

# Boggild, Carl Egede (Geological Survey of Denmark and Greenland, Copenhagen, Denmark).

Preferential flow and melt water retention in cold snow packs in West-Greenland: *in* 12th northern research basins symposium/workshop (Eliasson, Jonas, editor; *et al.*), **Nordic Hydrology**, 31(4-5), p. 287-300, 2 tables, 14 ref., 2000. *Meeting:* Aug. 23, 1999, Reykjavik, Iceland.

## 56001947

## Scherer, Dieter (University of Basel, MCR Laboratory, Switzerland); Groebke, Lukas and Parlow, Eberhard.

Photogrammetric analysis of a slush torrent in the Karkevagge, northern Sweden: *in* 12th northern research basins symposium/workshop (Eliasson, Jonas, editor; *et al.*), **Nordic Hydrology**, 31(4-5), p. 385-398, 16 ref., 2000. *Meeting*: Aug. 23, 1999, Reykjavik, Iceland.

## 56001948

# Gislason, Gisli Mar (University of Iceland, Reykjavik, Iceland); Olafsson, Jon S. and Adalsteinsson, Hakon.

Life in glacial and alpine rivers in central Iceland in relation to physical and chemical parameters: *in* 12th northern research basins symposium/workshop (Eliasson, Jonas, editor; *et al.*), **Nordic Hydrology**, 31(4-5), p. 411-422, 8 ref., 2000. *Meeting:* Aug. 23, 1999, Reykjavik, Iceland.

## 56001949

## Eliasson, Jonas (University of Iceland, Reykjavik, Iceland).

Design values for precipitation and floods from M5 values: *in* 12th northern research basins symposium/workshop (Eliasson, Jonas, editor; *et al.*), **Nordic Hydrology**, 31(4-5), p. 357-372, 4 tables, 17 ref., 2000. *Meeting:* Aug. 23, 1999, Reykjavik, Iceland.

#### 56001950

## Bengtsson, Lars (Lund University, Water Resources Engineering, Sweden) and Singh, Vijay P.

Model sophistication in relation to scales in snowmelt runoff modeling: *in* 12th northern research basins symposium/workshop (Eliasson, Jonas, editor; *et al.*), **Nordic Hydrology**, 31(4-5), p. 267-286, 2 tables, 2000. *Meeting:* Aug. 23, 1999, Reykjavik, Iceland.

- 121 - 2/19/02

Woo, Ming-Ko (McMaster University, School of Geography and Geology, Hamilton, ON, Canada) and Giesbrecht, Mark A.

Simulation of snowmelt in a subarctic spruce woodland; scale considerations: *in* 12th northern research basins symposium/workshop (Eliasson, Jonas, editor; *et al.*), **Nordic Hydrology**, 31(4-5), p. 301-316, 19 ref., 2000. *Meeting*: Aug. 23, 1999, Reykjavik, Iceland.

#### 56001952

Ingebrigtsen, K. (Norwegian School of Veterinary Science, Department of Pharmacology, Oslo, Norway); Christiansen, J. S.; Lindhe, O. and Brandt, I.

Disposition and cellular binding of <sup>3</sup>H-benzo(a)pyrene at subzero temperatures; studies in an aglomerular arctic teleost fish; the polar cod (Boreogadus saida): **Polar Biology**, 23(7), p. 503-509, illus. incl. 1 table, 38 ref., 2000.

#### 56001953

van der Veen, C. J. (Ohio State University, Department of Geography, Columbus, OH). Evaluating the performance of cryospheric models: Polar Geography (1995), 23(2), p. 83-96, 35 ref., June 1999.

## 56001954

Koroleva, N. (Polar Alpine Botanical Garden, Kirovsk, Russian Federation).

Coastal vegetation of Terskiy Bereg, Kola Peninsula; classification, disturbances, and recovery: **Polar Geography (1995)**, 23(2), p. 155-166, 3 tables, sketch map, 35 ref., June 1999.

## 56001955

Venzke, S. (Max-Planck-Institut fur Meteorologie, Hamburg, Federal Republic of Germany); Münnich, M. and Latif, M.

On the predictability of decadal changes in the North Pacific: **Climate Dynamics**, 16(5), p. 379-392, geol. sketch maps, 36 ref., 2000.

#### 56001956

Meehl, G. A. (National Center for Atmospheric Research, Boulder, CO); Arblaster, J. M. and Strand, W. G., Jr.

Sea-ice effects on climate model sensitivity and low frequency variability: **Climate Dynamics**, 16(4), p. 257-271, geol. sketch maps, 27 ref., 2000.

## 56001957

Headland, Robert K. (Scott Polar Research Institute, Cambridge, United Kingdom) and Splettstoesser, John F.

First circumnavigation of the Arctic by tourist vessel: **Polar Geography (1995)**, 23(3), p. 246-249, sketch map, 7 ref., September 1999.

## 56001958

Hanson, Brian (University of Delaware, Department of Geography, Newark, DE) and Hooke, Roger L.

Glacier calving; a numerical model of forces in the calving-speed/water-depth relation: **Journal** of Glaciology, 46(153), p. 188-196, illus., 39 ref., 2000.

2/19/02 - 122 -

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

Evidence for extreme pressure pulses in the subglacial water system: **Journal of Glaciology**, 46(153), p. 206-212, illus. incl. sketch map, 11 ref., 2000.

## 56001960

Payne, A. J. (University of Southampton, Department of Geography, Southampton, United Kingdom); Huybrechts, P.; Abe-Ouchi, A.; Calov, R.; Fastook, J. L.; Greve, R.; Marshall, S. J.; Marsiat, I.; Ritz, C.; Tarasov, L. and Thomassen, M. P. A.

Results from the EISMINT model intercomparison; the effects of thermomechanical coupling: **Journal of Glaciology**, 46(153), p. 227-238, illus. incl. 9 tables, 20 ref., 2000.

#### 56001961

Trickett, Y. L. (Dartmouth College, Thayer School of Engineering, Hanover, NH); Baker, I. and Pradhan, P. M. S.

The effects of sulfuric acid on the mechanical properties of ice single crystals: **Journal of Glaciology**, 46(153), p. 239-243, illus., 23 ref., 2000.

## 56001962

Fujita, Koji (Nagoya University, Institute for Hydrospheric-Atmospheric Sciences, Nagoya, Japan) and Ageta, Yutaka.

Effect of summer accumulation on glacier mass balance on the Tibetan Plateau revealed by mass-balance model: **Journal of Glaciology**, 46(153), p. 244-252, illus. incl. 4 tables, sketch maps, 29 ref., 2000.

## 56001963

Rignot, Eric (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA); Buscarlet, Guillaume; Csatho, Beata; Gogineni, Sivaprasad; Krabill, William and Schmeltz, Marjorie.

Mass balance of the northeast sector of the Greenland ice sheet; a remote-sensing perspective: **Journal of Glaciology**, 46(153), p. 265-273, illus. incl. 3 tables, sketch maps, 32 ref., 2000.

#### 56001964

Ramage, Joan M. (Cornell University, Department of Geological Sciences, Ithaca, NY); Isacks, Bryan L. and Miller, Maynard M.

Radar glacier zones in southeast Alaska, U.S.A.; field and satellite observations: **Journal of Glaciology**, 46(153), p. 287-296, illus. incl. 4 tables, sketch maps, 22 ref., 2000.

## 56001965

Rasmussen, L. A. (University of Washington, Geophysics Program, Seattle, WA); Conway, H. and Hayes, P. S.

The accumulation regime of Blue Glacier, U.S.A., 1914-96: **Journal of Glaciology**, 46(153), p. 326-334, illus. incl. 3 tables, sketch map, 23 ref., 2000. Includes appendix.

## 56001966

Engelhardt, H. (California Institute of Technology, Pasadena, CA); Kamb, B. and Bolsey, R.

A hot-water ice-coring drill: **Journal of Glaciology**, 46(153), p. 341-345, illus., 23 ref., 2000.

**Dall, Jorgen (Technical University of Denmark, Department of Electromagnetic Systems, Lyngby, Denmark); Madsen, Soren Norvang; Keller, Kristian and Forsberg, Rene.**Using airborne SAR interferometry to measure the elevation of a Greenland ice cap: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 3, p. 1125-1127, illus., 6 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

## 56001968

# Pack, Jed D. (Brigham Young University, MERS Laboratory, Provo, UT); Wallace, Jon W. and Jensen, Michael A.

Greenland snow ablation and accumulation observed using ERS and SSM/I data: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 3, p. 1128-1130, illus., 4 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

## 56001969

## Ashcraft, Ivan S. (Brigham Young University, MERS Laboratory, Provo, UT) and Long, David G.

SeaWinds views Greenland: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 3, p. 1131-1133, illus., 1 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

## 56001970

# Layberry, R. L. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom) and Bamber, J. L.

A new ice thickness and bedrock data set for the Greenland ice sheet: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 3, p. 1134-1136, illus., 5 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

## 56001971

# Gómez-Landesa, E. (U. S. Department of Agriculture-ARS Hydrology Laboratory, Beltsville, MD) and Rango, A.

Snow mapping technique at subpixel level for small basins: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 3, p. 1140-1142, illus., 4 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

2/19/02 - 124 -

Thrasher-Hybl, T. (University of Colorado, National Snow and Ice Data Center, Boulder, CO); Scharfen, Greg R. and Holm, M.

Glacier monitoring and the National Snow and Ice Data Center: *in* IGARSS 2000; IEEE 2000 international geoscience and remote sensing symposium; Taking the pulse of the planet; the role of remote sensing in managing the environment; proceedings (Stein, Tammy I., editor), **International Geoscience and Remote Sensing Symposium**, 2000, Vol. 3, p. 1143-1144, 4 ref., 2000. *Meeting:* July 24-28, 2000, Honolulu, HI.

#### 56001973

Bamber, Jonathan L. (University of Bristol, Bristol Glaciology Centre, Bristol, United Kingdom); Vaughan, David G. and Joughin, Ian.

Widespread complex flow in the interior of the Antarctic ice sheet: **Science**, 287(5456), p. 1248-1250, illus. incl. sketch maps, 24 ref., February 18, 2000.

## 56001974

King, S. L. (Georgia Institute of Technology, School of Earth and Atmospheric Sciences, Atlanta, GA); Froelich, P. N. and Jahnke, R. A.

Early diagenesis of germanium in sediments of the Antarctic South Atlantic; in search of the missing Ge sink: **Geochimica et Cosmochimica Acta**, 64(8), p. 1375-1390, illus. incl. 5 tables, sketch map, 63 ref., April 2000.

## 56001975

Hyde, William T. (Texas A&M University, Department of Oceanography, College Station, TX); Crowley, Thomas J.; Baum, Steven K. and Peltier, W. Richard.

Neoproterozoic "snowball Earth" simulations with a coupled climatic/ice-sheet model: **Nature** (**London**), 405(6785), p. 425-429, illus., 49 ref., May 25, 2000.

## 56001978

Rignot, E. (Jet Propulsion Laboratory, Pasadena, CA); Padman, L.; MacAyeal, D. R. and Schmeltz, M.

Observation of ocean tides below the Filchner and Ronne ice shelves, Antarctica, using synthetic aperture radar interferometry; comparison with tide model predictions: **Journal of Geophysical Research, C, Oceans**, 105(8), p. 19,615-19,630, illus. incl. 5 plates, 1 table, geol. sketch map, 33 ref., August 15, 2000.

## 56001979

Moore, J. Keith (Oregon State University, College of Oceanic and Atmospheric Sciences, Corvallis, OR); Abbott, Mark R.; Richman, James G. and Nelson, David M.

The Southern Ocean at the last glacial maximum; a strong sink for atmospheric carbon dioxide: **Global Biogeochemical Cycles**, 14(1), p. 455-475, illus. incl. 2 tables, geol. sketch maps, 157 ref., March 2000.

## 56001980

Popova, Ekaterina E. (Southampton Oceanography Centre, Southampton, United Kingdom); Ryabchenko, Vladimir A. and Fasham, Mike J. R.

Biological pump and vertical mixing in the Southern Ocean; their impact on atmospheric CO<sub>2</sub>: **Global Biogeochemical Cycles**, 14(1), p. 477-498, illus. incl. 2 tables, 61 ref., March 2000. Includes appendix.

Brook, Edward J. (Washington State University, Department of Geology, Vancouver, WA); Harder, Susan; Severinghaus, Jeff; Steig, Eric J. and Sucher, Cara M.

On the origin and timing of rapid changes in atmospheric methane during the last glacial period: **Global Biogeochemical Cycles**, 14(2), p. 559-572, illus. incl. 3 tables, 65 ref., June 2000.

## 56002013

van de Vijver, Bart (University of Antwerp, Department of Biology, Antwerp, Belgium); Ledeganck, Pieter and Beyens, Louis.

Habitat preferences in freshwater diatom communities from sub-Antarctic Îles Kerguelen: **Antarctic Science**, 13(1), p. 28-36, illus. incl. 4 tables, sketch map, 27 ref., March 2001.

#### 56002014

Braun, Matthias (Albert-Lugwigs-Universität Freiburg, Institut für Physische Geographie, Freiburg, Federal Republic of Germany); Simoes, Jefferson C.; Vogt, Steffen; Bremer, Ulisses F.; Blindow, Norbert; Pfender, Marion; Saurer, Helmut; Aquino, Francisco E. and Ferron, Francisco A.

An improved topographic database for King George Island; compilation, application and outlook: **Antarctic Science**, 13(1), p. 41-52, 1 table, sketch maps, 45 ref., March 2001.

#### 56002015

Hall, B. L. (University of Maine, Department of Geological Sciences, Orono, ME); Denton, G. H. and Overturf, B.

Glacial Lake Wright, a high-level Antarctic lake during the LGM and early Holocene: **Antarctic Science**, 13(1), p. 53-60, illus. incl. 1 table, sketch maps, 30 ref., March 2001.

#### 56002016

Salvatore, Maria Cristina (Universita "La Sapienza", Dipartimento di Scienza della Terra, Rome, Italy).

Geomorphological sketch map of the Fossil Bluff area (Alexander Island, Antarctica) mapped from aerial photographs: **Antarctic Science**, 13(1), p. 75-78, sketch map, 11 ref., March 2001.

## 56002017

Whitehead, J. M. (University of Tasmania, Antarctic CRC and IASOS, Hobart, Tasmania, Australia) and McKelvey, B. C.

The stratigraphy of the Pliocene-lower Pleistocene Bardin Bluffs Formation, Amery Oasis, northern Prince Charles Mountains, Antarctica: **Antarctic Science**, 13(1), p. 79-86, illus. incl. sects., geol. sketch map, 33 ref., March 2001.

## 56002018

Shindell, Drew T. (NASA, Goddard Institute for Space Studies, New York, NY); Schmidt, Gavin A.; Miller, Ron L. and Rind, David.

Northern Hemisphere winter climate response to greenhouse gas, ozone, solar, and volcanic forcing: **Journal of Geophysical Research, D, Atmospheres**, 106(7), p. 7193-7210, illus. incl. 1 table, geol. sketch map, 62 ref., April 16, 2001.

2/19/02 - 126 -

Suzuki, Keisuke (Shinshu University, Matsumoto, Japan) and Endo, Yasoichi. Oxygen isotopic composition of winter precipitation in central Japan: Journal of Geophysical Research, D, Atmospheres, 106(7), p. 7243-7249, illus. incl. 1 table, geol. sketch map, 15 ref., April 16, 2001.

## 56002020

Schulz, A. (Alfred Wegener Institute for Polar and marine research, Potsdam, Federal Republic of Germany); Rex, M.; Harris, N. R. P.; Braathen, G. O.; Reimer, E.; Alfier, R.; Kilbane-Dawe, I.; Eckermann, S.; Allaart, M.; Alpers, M.; Bojkov, B.; Cisneros, J.; Claude, H.; Cuevas, E.; Davies, J.; de Backer, H.; Dier, H.; Dorokhov, V.; Fast, H.; Godin, S.; Johnson, B.; Kois, B.; Kondo, Y.; Kosmidis, E.; Kyro, E.; Litynska, Z.; Mikkelsen, I. S.; Molyneux, M. J.; Murphy, G.; Nagai, T.; Nakane, H.; O'Connor, F.; Parrondo, C.; Schmidlin, F. J.; Skrivankova, P.; Varotsos, C.; Vialle, C.; Viatte, P.; Yushkov, V.; Zerefos, C. and von der Gathen, P.

Arctic ozone loss in threshold conditions; match observations in 1997/1998 and 1998/1999: **Journal of Geophysical Research, D, Atmospheres**, 106(7), p. 7495-7503, illus. incl. 3 plates, geol. sketch maps, 17 ref., April 16, 2001.

## 56002026

Bales, R. C. (University of Arizona, Tucson, AZ); Mosley-Thompson, E. and McConnell, J. R.

Variability of accumulation in Northwest Greenland over the past 250 years: **Geophysical Research Letters**, 28(14), p. 2679-2682, illus. incl. 1 table, geol. sketch map, 11 ref., July 15, 2001.

## 56002027

Overland, James E. (NOAA, Pacific Marine Environmental Laboratory, Seattle, WA) and Adams, Jennifer Miletta.

On the temporal character and regionality of the Arctic Oscillation: **Geophysical Research Letters**, 28(14), p. 2811-2814, illus., 17 ref., July 15, 2001.

## 56002028

Dokken, Sverre Thune (Chalmers University of Technology, Department of Radio and Space Science, Sweden); Olsen, Richard; Wahl, Terje and Vinge Tantillo, Marianne. Identification and characterization of internal waves in SAR images along the coast of Norway: **Geophysical Research Letters**, 28(14), p. 2803-2806, illus. incl. 2 tables, geol. sketch map, 16 ref., July 15, 2001.

## 56002029

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

The interaction of HCl with water-ice at tropospheric temperatures: **Geophysical Research Letters**, 28(14), p. 2827-2830, illus. incl. 1 table, 18 ref., July 15, 2001.

#### 56002030

Schodlok, Michael P. (Alfred Wegener Institute for Polar- and Marine Research, Bremerhaven, Federal Republic of Germany); Rodehacke, Christian B.; Hellmer, Hartmut H. and Beckmann, Aike.

On the origin of the deep CFC maximum in the eastern Weddell Sea; numerical model results: **Geophysical Research Letters**, 28(14), p. 2859-2862, illus. incl. geol. sketch maps, 29 ref., July 15, 2001.

Key, Jeffrey R. (NOAA, Office of Research and Applications, Madison, WI); Wang, Xuanji; Stoeve, Julienne C. and Fowler, Charles.

Estimating the cloud-sky albedo of sea ice and snow from space: **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(12), p. 12,489-12,497, illus. incl. 1 table, 26 ref., June 27, 2001.

## 56002032

King, Martin D. (University of Alaska at Fairbanks, Department of Chemistry, Fairbanks, AK) and Simpson, William R.

Extinction of UV radiation in Arctic snow at Alert, Canada (82°N): **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(12), p. 12,499-12,507, illus., 23 ref., June 27, 2001.

## 56002033

Del Guasta, Massimo (CNR, Instituto di Ricerca sulle Onde Elettromagnetiche, Florence, Italy).

Simulation of LIDAR returns from pristine and deformed hexagonal ice prisms in cold cirrus by means of "face tracing": **Journal of Geophysical Research**, **D**, **Atmospheres**, 106(12), p. 12,589-12,602, illus., 37 ref., June 27, 2001.

## 56002034

Prenkert, Susanne (Centre National de Recherche Scientifique, Laboratoire de Glaciologie et Géophysique del'Environment, Saint Martin d'Heres, France) and Legend, Michel. Causes of enhanced fluoride levels in Alpine ice cores over the last 75 years; implications for the atmospheric fluoride budget: Journal of Geophysical Research, D, Atmospheres, 106(12), p. 12,619-12,632, illus. incl. 2 tables, 29 ref., June 27, 2001.

## 56002035

## Seaman, A. A., compiler.

An annotated bibliography of surficial geology (regolith) mapping, and investigations of glacial geology in New Brunswick (including till and soil geochemistry studies): **Open File - New Brunswick, Minerals and Energy Division**, Rep. No. 2001-1, 96 p., February 2001.

## 56002036

McDonald, Michael (State University of New York, Department of Physics and Astronomy, Stony Brook, NY); de Zafra, Robert L. and Muscari, Giovanni.

Millimeter wave spectroscopic measurements over the South Pole; 5, Morphology and evolution of HNO<sub>3</sub> vertical distribution, 1993 versus 1995: **Journal of Geophysical Research**, **D**, **Atmospheres**, 105(14), p. 17,739-17,750, 1 plate, 49 ref., July 27, 2000.

## 56002037

Hussey, G. C. (University of Saskatchewan, Institute of Space and Atmospheric Studies, Saskatoon, SK, Canada); Meek, C. E.; André, D.; Manson, A. H.; Sofko, G. J. and Hall, C. M.

A comparison of Northern Hemisphere winds using SuperDARN meteor trail and MF radar wind measurements: **Journal of Geophysical Research**, **D**, **Atmospheres**, 105(14), p. 18,053-18,066, illus. incl. 1 table, 14 ref., July 27, 2000.

2/19/02 - 128 -

## Macnab, Ron (Geological Survey of Canada, Dartmouth, NS, Canada) and Haworth, Richard.

Earth science and the Law of the Sea; keys to Canada's offshore energy and mineral resources beyond 200 nautical miles: *in* Earth science and society (Nowlan, Godfrey S., prefacer; *et al.*), **Geoscience Canada**, 28(2), p. 79-86 (French sum.), illus. incl. 3 tables, sketch maps, 13 ref., June 2001. *Meeting:* GeoCanada 2000; the millennium geoscience summit, May-June 2000, Calgary, AB. Geol. Soc. Can., Contrib. No. 2000294.

## 56002039

Azarnejad, Azita (CH2M Gore and Storrie, Calgary, AB, Canada) and Brown, Thomas G. Ice rubble behavior in punch tests: Journal of Cold Regions Engineering, 15(3), p. 135-153, illus. incl. 1 table, 18 ref., September 2001.

#### 56002040

## Morse, Brian (Université Laval, Sainte-Foy, PQ, Canada).

Theoretical development of forces on cylindrical ice booms: **Journal of Cold Regions Engineering**, 15(3), p. 154-169, illus. incl. 1 table, 15 ref., September 2001.

## 56002041

# Kirzhner, F. (Technion Israel Institute of Technology, Faculty of Civil Engineering, Haifa, Israel) and Rozenbaum, M.

Behavior of the working fluid in mechanized support in permafrost: **Journal of Cold Regions Engineering**, 15(3), p. 170-185, illus. incl. 1 table, 18 ref., September 2001.

## 56002042

## Kaspers, K. A.

Atmospheric composition and chemistry in the past from chemical analyses of firn air: *in* SCAR-CAO Antarctica symposium; abstracts (van Bennekom, A. J.; *et al.*), **Circumpolar Journal**, 16(1), p. 3-6, illus., 2001. *Meeting:* Apr. 12, 2001, Amsterdam, Netherlands.

#### 56002043

## van Lipzig, N. P. M.

Variations in snowfall on the Antarctic continent; a study with an atmospheric model: *in* SCAR-CAO Antarctica symposium; abstracts (van Bennekom, A. J.; *et al.*), **Circumpolar Journal**, 16(1), p. 7-9, illus., 2001. *Meeting*: Apr. 12, 2001, Amsterdam, Netherlands.

## 56002044

## Oerlemans, J.

Large-scale dynamics of the Antarctic ice sheet: *in* SCAR-CAO Antarctica symposium; abstracts (van Bennekom, A. J.; *et al.*), **Circumpolar Journal**, 16(1), p. 25-27, illus., 2001. *Meeting:* Apr. 12, 2001, Amsterdam, Netherlands.

## 56002045

## Rosenberg, Mark.

Mertz Polynya experiment, marine science cruises AU9807, AU9801, AU9905, AU9901 and TA0051; oceanographic field measurements and analysis: **Antarctic CRC Research Report**, 25, 89 p., illus. incl. tables, 2001.

## Belkin, Victor and Karasik, David.

The effect of season, occupation and repeated winterings on anthropologic and physiological characteristics in Russian Antarctic staff: **International Journal of Circumpolar Health**, 60(1), p. 41-51, 2001.

#### 56002047

Genthon, Christophe (Université Joseph Fourier, Laboratoire de Glaciologie et de Géophysique de l'Environnement, Saint Martin d'Heres, France) and Krinner, Gerhard. Antarctic surface mass balance and systematic biases in general circulation models: Journal of Geophysical Research, D, Atmospheres, 106(18), p. 20,653-20,664, illus. incl. 1 table, geol. sketch maps, 25 ref., September 27, 2001.

## 56002048

Nilsson, Mats (Swedish University of Agricultural Sciences, Umea, Sweden); Mikkela, Catherina; Sundh, Ingvar; Granberg, Gunnar; Svensson, Bo H. and Ranneby, Bo. Methane emission from Swedish mires; national and regional budgets and dependence on mire vegetation: Journal of Geophysical Research, D, Atmospheres, 106(18), p. 20,847-20,860, illus. incl. 1 plate, 4 tables, geol. sketch maps, 37 ref., September 27, 2001.

## 56002049

Slater, John F. (University of New Hampshire, Institute for the Study of Earth, Oceans, and Space, Durham, NH); Dibb, Jack E.; Keim, Barry D. and Kahl, Jonathan D. W. Relationships between synoptic-scale transport and interannual variability of inorganic cations in surface snow at Summit, Greenland; 1992-1996: Journal of Geophysical Research, D, Atmospheres, 106(18), p. 20,897-20,912, illus. incl. 4 tables, geol. sketch maps, 57 ref., September 27, 2001.

## 56002050

Brown, T. G. (University of Calgary, Department of Civil Engineering, Calgary, AB, Canada); Jordaan, I. J. and Croasdale, K. R.

A probabilistic approach to analysis of ice loads for the Confederation Bridge: **Canadian Journal of Civil Engineering = Revue Canadienne de Genie Civil**, 28(4), p. 562-573 (French sum.), illus. incl. 2 tables, 29 ref., August 2001.

#### 56002051

Burga, Conradin A. (University of Zurich, Department of Geography, Zurich, Switzerland); Perret, Roger and Zoller, Heinrich.

Swiss localities of early recognized Holocene climate oscillations; characterization and significance: **Vierteljahresschrift der Naturforschenden Gesellschaft in Zürich**, 146(2-3), p. 65-74, 1 table, geol. sketch map, 71 ref., September 2001.

## 56002052

Champ, Michael A. (ATRP Corporation); Gomez, Leo S.; Makeyev, Vyachesliav M.; Brooks, James M.; Palmer, Harold D. and Betz, Frederick, editors.

Contaminants in the Arctic (Part III): **Marine Pollution Bulletin**, 43(1-6), 142 p., illus. incl. tables, sketch maps, June 2001. Individual papers are cited separately.

2/19/02 - 130 -

Champ, Michael A. (ATRP Corporation); Gomez, Leo S.; Makeyev, Vyachesliav M.; Brooks, James M.; Palmer, Harold D. and Betz, Frederick.

Ocean storage of nuclear wastes? Experiences from the Russian Arctic: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 1-7, 86 ref., June 2001.

#### 56002054

Yablokov, Alexey V. (Center for Russian Environmental Policy, Moscow, Russian Federation).

Radioactive waste disposal in seas adjacent to the territory of the Russian Federation: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 8-18, 8 tables, sketch maps, June 2001.

#### 56002055

Miquel, J. C. (International Atomic Energy Agency, Marine Environment Laboratory, Monaco).

Environment and biology of the Kara Sea; a general view for contamination studies: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 19-27, illus. incl. 6 tables, sketch maps, 19 ref., June 2001.

### 56002056

Crane, Kathleen (Hunter College, Department of Geography, New York, NY); Galasso, Jennifer; Brown, Clare; Cherkashov, Georgy; Ivanov, Gennady; Petrova, Vera and Vanstayan, Boris.

Northern ocean inventories of organochlorine and heavy metal contamination: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 28-60, sketch maps, 206 ref., June 2001.

## 56002057

Proshutinsky, A. Y. (University of Alaska, Institute of Marine Science, Fairbanks, AK) and Johnson, Mark.

Two regimes of the Arctic's circulation from ocean models with ice and contaminants: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 61-70, illus. incl. sketch maps, 49 ref., June 2001.

## 56002058

Alexeeva, L. B. (Institute of Experimental Meteorology, Department of Environmental Monitoring and Pollution, Obninsk, Russian Federation); Strachan, William M. J.; Shlychkova, V. V.; Nazarova, A. A.; Nikanorov, A. M.; Korotova, L. G. and Koreneva, V. I. Organochlorine pesticide and trace metal monitoring of Russian rivers flowing to the Arctic Ocean; 1990-1996: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), Marine Pollution Bulletin, 43(1-6), p. 71-85, 11 tables, sketch maps, 33 ref., June 2001.

## 56002059

Barron, Mace G. (P.E.A.K. Research, Longmont, CO) and Ka'aihue, Lisa.

Potential for photoenhanced toxicity of spilled oil in Prince William Sound and Gulf of Alaska waters: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 86-92, illus., 39 ref., June 2001.

Fisk, Aaron T. (Carleton University, Chemistry Department, Ottawa, ON, Canada); Stern, Gary A.; Hobson, Keith A.; Strachan, William J.; Loewen, Mark D. and Norstrom, Ross J. Persistent organic pollutants (POPs) in a small, herbivorous, Arctic marine zooplankton (Calanus hyperboreus); trends from April to July and the influence of lipids and trophic transfer: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), Marine Pollution Bulletin, 43(1-6), p. 93-101, illus. incl. 1 table, sketch map, 53 ref., June 2001.

## 56002061

Fuhrmann, Mark (Brookhaven National Laboratory, Environmental and Waste Technology Center, Upton, NY); Zhou, Huan; Neiheisel, James and Dyer, Robert.

Sorption of radioactive contaminants by sediment from the Kara Sea: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 102-110, illus. incl. 5 tables, sketch map, 18 ref., June 2001.

## 56002062

Paluszkiewicz, Theresa (Pacific Northwest Laboratory, Marine Sciences Laboratory, Sequim, WA); Hibler, Lyle F.; Richmond, Marshall C.; Bradley, Don J. and Thomas, Susan A.

Modeling the potential radionuclide transport by the Ob and Yenisey rivers to the Kara Sea: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 111-121, illus. incl. 1 table, sketch maps, 31 ref., June 2001.

#### 56002063

Seagars, Dana J. (U. S. Fish and Wildlife Service, Marine Mammals Management, Anchorage, AK) and Garlich-Miller, Joel.

Organochlorine compounds and aliphatic hydrocarbons in Pacific walrus blubber: *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), **Marine Pollution Bulletin**, 43(1-6), p. 122-131, 6 tables, sketch map, 71 ref., June 2001.

## 56002064

Strachan, William M. J. (Environment Canada, National Water Research Institute, Burlington, ON, Canada); Burniston, D. A.; Williamson, M. and Bohdanowicz, H. Spatial differences in persistent organochlorine pollutant concentrations between the Bering and Chukchi seas (1993): *in* Contaminants in the Arctic (Part III) (Champ, Michael A., editor; *et al.*), Marine Pollution Bulletin, 43(1-6), p. 132-142, illus. incl. 7 tables, sketch map, 19 ref., June 2001.

## 56002065

Garibotti, Rolando (Club Andino Bariloche, Argentina).

Patagonia; looking back, toward the future: **The American Alpine Journal**, 43(75), p. 135-139, illus., 2001.

#### 56002066

Scanu, Marcelo; von Götz, Alexander; Benegas, Damien; Monnoyeur, Laurence; Garibotti, Rolando; Siegrist, Stephen; Davis, Steph and Dauer, Tom.

Argentina: The American Alpine Journal, 43(75), p. 291-297, 2001.

2/19/02 - 132 -

Grieve, Seb; Garibotti, Rolando; Parnell, Ian; Jofre, Hernan; Rinn, Tomas; Arpin, Jérome; Mitrovich, Russel; Turner, Mike; Thomas, Louise; Fucsko, Leslie; Grez, Ignacio; Motohiko, Miyazaki; Hillebrandt, David and Shipton, John.

Chile: **The American Alpine Journal**, 43(75), p. 298-310, 2001.

## 56002068

Gildea, Damien; Macdonald, Stuart; Saari, Hans; Lukes, Cestmir; Oehninger, Irene; Hubert, Alain; Tamayo, José Carlos; Anker, Conrad; Stone, Dan; Wheeler, Kevin and Brunner, Brennen.

Antarctica: The American Alpine Journal, 43(75), p. 310-322, 2001.

#### 56002069

Ohshima, Kay I. (Hokkaido University, Institute of Low Temperature Science, Sapporo, Japan); Mizuta, Genta; Itoh, Motoyo; Fukamachi, Yasushi; Watanabe, Tatsuro; Nabae, Yasushi; Suehiro, Koukichi and Wakatsuchi, Masaaki.

Winter oceanographic conditions in the southwestern part of the Okhotsk Sea and their relation to sea ice: **Journal of Oceanography**, 57(4), p. 451-460, illus. incl. 1 table, 30 ref., August 2001.

## 56002070

Wang, Zhaomin (McGill University, Centre for Climate and Global Change Research and Department of Atmospheric and Oceanic Sciences, Montreal, PQ, Canada) and Mysak, Lawrence A.

Ice sheet-thermohaline circulation interactions in a climate model of intermediate complexity: **Journal of Oceanography**, 57(4), p. 481-494, illus., 48 ref., August 2001.

## 56002071

Perroux, Anne-Sophie (Université de Savoie, Laboratoire de Géographie, Le Bourget-du-Lac, France).

Etude du fonctionnement d'une cavité englacée durant un cycle climatique; site de la glacière d'Autrans (Vercors); premiers resultats [Study of ice cave functioning during one climatic cycle; site of Autrans Glacier, Vercors; preliminary results]: **Karstologia**, 37, p. 41-46 (English sum.), illus. incl. sketch maps, 13 ref., 2001.

#### 56002072

Kjaer, Kurt H. (Lund University, Department of Quaternary Geology, Lund, Sweden) and Krüger, Johannes.

The final phase of dead-ice moraine development; processes and sediment architecture, Kotlujokull, Iceland: **Sedimentology**, 48(5), p. 935-952, illus. incl. sects., sketch maps, 36 ref., October 2001.

## 56002074

Hill, Philip R. (Université du Québec à Rimouski, Institut des Sciences de la Mer de Rimouski (ISMER), Rimouski, PQ, Canada); Lewis, C. Peter; Desmarais, Simon; Kauppaymuthoo, Vassen and Rais, Hasna.

The Mackenzie Delta; sedimentary processes and facies of a high-latitude, fine grained delta: **Sedimentology**, 48(5), p. 1047-1078, illus. incl. sects., 2 tables, geol. sketch maps, 93 ref., October 2001.

## Manore, Michael, prefacer (Canadian Ice Service, Ottawa, ON, Canada).

Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs: **Canadian Journal of Remote Sensing**, 27(5), p. 387-537, (English, French), illus. incl. tables, sketch maps, October 2001. Individual papers are cited separately.

#### 56002076

# Nghiem, S. V. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA) and Bertoia, C.

Study of multi-polarization C-band backscatter signatures for Arctic Sea ice mapping with future satellite SAR: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 387-402 (French sum.), illus. incl. 1 table, sketch maps, 60 ref., October 2001.

#### 56002077

Breivik, Lars-Anders (Norwegian Meteorological Institute, Oslo, Norway); Eastwood, Soren; Godoy, Oystein; Schyberg, Harald; Andersen, Soren and Tonboe, Rasmus. Sea ice products for EUMETSAT satellite application facility: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), Canadian Journal of Remote Sensing, 27(5), p. 403-410 (French sum.), illus. incl. 2 tables, sketch maps, 20 ref., October 2001.

### 56002078

# Gill, R. S. (Danish Meteorological Institute, Ice Charting and Remote Sensing Division, Copenhagen, Denmark).

Operational detection of sea ice edges and icebergs using SAR: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 411-432 (French sum.), illus., 20 ref., October 2001.

## 56002079

# Hanesiak, J. M. (University of Manitoba, Geography Department, Winnipeg, MB, Canada); Yackel, John J. and Barber, D. G.

Effect of melt ponds on first-year sea ice ablation; integration of RADARSAT-1 and thermodynamic modelling: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 433-442 (French sum.), illus. incl. 1 table, 39 ref., October 2001.

## 56002080

van Woert, Michael L. (NOAA/NESDIS, Office of Research and Applications, Camp Springs, MD); Zou, Cheng-Zhi; Hovey, Philip D.; Meier, Walter N. and Beesley, John A. Satellite validation of the May 2000 sea ice concentration fields from the Polar Ice Prediction System: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), Canadian Journal of Remote Sensing, 27(5), p. 443-456 (French sum.), illus. incl. 3 tables, sketch maps, 39 ref., October 2001.

2/19/02 - 134 -

Dedrick, Kyle R. (National Naval Ice Center, Washington, DC); Partington, Kim; van Woert, Michael; Bertoia, Cheryl A. and Benner, David.

U. S. National/Naval Ice Center digital sea ice data and climatology: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 457-475 (French sum.), illus. incl. 3 tables, sketch maps, 27 ref., October 2001.

#### 56002082

Power, Desmond (C-CORE, St. John's, NF, Canada); Youden, James; Lane, Kelley; Randell, Charles and Flett, Dean.

Iceberg detection capabilities of RADARSAT synthetic aperture radar: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 476-486 (French sum.), illus. incl. 4 tables, sketch map, 16 ref., October 2001.

## 56002083

De Abreu, Roger (Environment Canada, Meteorological Service of Canada, Ottawa, ON, Canada); Yackel, John J.; Barber, David and Arkett, Matthew.

Operational satellite sensing of Arctic first-year sea ice melt: *in* Focus issue on Ice and ice-bergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 487-501 (French sum.), illus. incl. 4 tables, sketch maps, 32 ref., October 2001.

#### 56002084

Sandven, S. (Nansen Environmental and Remote Sensing Centre, Bergen, Norway); Dalen, O.; Lundhaug, M.; Kloster, K.; Alexandrov, Vitaly Y. and Zaitsev, L. V.

Sea ice investigations in the Laptev Sea area in late summer using SAR data: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 502-516 (French sum.), illus. incl. 2 tables, sketch maps, 31 ref., October 2001.

#### 56002085

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

On the autoregressive nature of Arctic Sea ice concentrations: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 517-525 (French sum.), illus. incl. 2 tables, sketch maps, 19 ref., October 2001.

## 56002086

Kaleschke, Lars (Institute of Environmental Physics, Bremen, Federal Republic of Germany); Lüpkes, Christof; Vihma, Timo; Haarpaintner, Jorg; Bochert, Axel; Hartmann, Jörg and Heygster, Georg.

SSM/I sea ice remote sensing for mesoscale ocean-atmosphere interaction analysis: *in* Focus issue on Ice and icebergs—Edition spéciale sur la Glace et les icebergs (Manore, Michael, prefacer), **Canadian Journal of Remote Sensing**, 27(5), p. 526-537 (French sum.), illus. incl. 3 tables, sketch maps, 34 ref., October 2001.

- 135 - 2/19/02

Silapaswan, C. S. (University of Alaska, Department of Biology and Wildlife, Fairbanks, AK); Verbyla, D. L. and McGuire, A. D.

Land cover change on the Seward Peninsula; the use of remote sensing to evaluate the potential influences of climate warming on historical vegetation dynamics: **Canadian Journal of Remote Sensing**, 27(5), p. 542-554 (French sum.), illus. incl. 5 tables, sketch maps, 57 ref., October 2001.

#### 56002088

Wackerman, C. C. (Veridian ERIM International, Ann Arbor, MI); Friedman, K. S.; Pichel, W. G.; Clemente-Colón, P. and Li, X.

Automatic detection of ships in RADARSAT-1 SAR imagery: **Canadian Journal of Remote Sensing**, 27(5), p. 568-577 (French sum.), illus. incl. 1 table, sketch map, 13 ref., October 2001.

## 56002089

Staroszczyk, Ryszard (Polish Academy of Sciences, Institute of Hydroengineering, Szczecin, Poland) and Morland, Leslie W.

Strengthening and weakening of induced anisotropy in polar ice: **Proceedings - Royal Society. Mathematical, Physical and Engineering Sciences**, 457(2014), p. 2419-2440, illus., 17 ref., October 8, 2001.

#### 56002090

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

Snowdrift sublimation in a katabatic wind region of the Antarctic ice sheet: **Journal of Applied Meteorology**, 40(11), p. 1952-1966, illus. incl. 6 tables, geol. sketch map, 32 ref., November 2001.

### 56002091

Cober, Stewart G. (Meteorological Service of Canada, Cloud Physics Research Division, Downsview, ON, Canada); Isaac, George A. and Strapp, J. Walter.

Characterizations of aircraft icing environments that include supercooled large drops: **Journal of Applied Meteorology**, 40(11), p. 1984-2002, illus. incl. 5 tables, 56 ref., November 2001.

#### 56002092

Crevier, Louis-Philippe (Meteorological Service of Canada, Recherche en Prévision Numérique, Dorval, PQ, Canada) and Delage, Yves.

METRo; a new model for road-condition forecasting in Canada: **Journal of Applied Meteorology**, 40(11), p. 2026-2037, illus. incl. 2 tables, 13 ref., November 2001.

## 56002093

Elliot, Mary (Lamont-Doherty Earth Observatory, Palisades, NY); Labeyrie, Laurent; Dokken, Trond and Manthé, Sandrine.

Coherent patterns of ice-rafted debris deposits in the Nordic regions during the last glacial (10-60 ka): **Earth and Planetary Science Letters**, 194(1-2), p. 151-163, illus. incl. 3 tables, sketch map, 41 ref., December 30, 2001. Lamont-Doherty Earth Obs., Contrib. No. 6265.

2/19/02 - 136 -

Mecke, M. (University of Helsinki, Department of Forest Ecology, Helsinki, Finland); Westman, C. J. and Ilvesniemi, H.

Water retention capacity in coarse Podzol profiles predicted from measured soil properties: **Soil Science Society of America Journal**, 66(1), p. 1-11, illus. incl. 10 tables, 33 ref., February 2002. WWW. Accessed on Jan. 30, 2002.

http://soil.scijournals.org/cgi/content/abstract/66/1/1

#### 56002095

Bachmann, J. (University of Hannover, Institute of Soil Sciences, Hanover, Federal Republic of Germany); Horton, Robert; Grant, S. A. and van der Ploeg, R. R.

Temperature dependence of water retention curves for wettable and water-repellent soils: **Soil Science Society of America Journal**, 66(1), p. 44-52, illus. incl. 5 tables, 28 ref., February 2002. WWW. Accessed on Jan. 31, 2002; Iowa Agric. and Home Econ. Exp. Stn., Ames; Journal Paper no. J-19022.

http://soil.scijournals.org/cgi/content/abstract/66/1/44 CRREL Report No: ERDC/CRREL MP-02-5791

### 56002096

**Devol, Allan H.** (University of Washington, School of Oceanography, Seattle, WA). Getting cool with nitrogen: Nature (London), 415(6868), p. 131-132, 8 ref., January 10, 2002.

## 56002098

Ganeshram, Raja S. (University of Edinburgh, Department of Geology and Geophysics, Edinburgh, United Kingdom); Pedersen, Thomas F.; Calvert, Stephen E. and François, Roger. Reduced nitrogen fixation in the glacial ocean inferred from changes in marine nitrogen and phosphorus inventories: Nature (London), 415(6868), p. 156-159, illus. incl. 1 table, 26 ref., January 10, 2002. Northeast Pacific

## 56002099

Couper, Pauline (University College Worcester, School of Environmental Science and Land Management, Worcester, United Kingdom); Stott, Tim and Maddock, Ian.

Insights into river bank erosion processes derived from analysis of negative erosion-pin recordings; observations from three recent UK studies: **Earth Surface Processes and Landforms**, 27(1), p. 59-79, illus. incl. 3 tables, 52 ref., January 2002.

## 56002100

De Blasio, Fabio V. (University of Oslo, Department of Physics, Oslo, Norway).

Note on simulating the size distribution of glacial cirques: Earth Surface Processes and Landforms, 27(1), p. 109-114, illus., 6 ref., January 2002.

#### 56002101

## Timmermans, Klaas R.

Uni-algal cultures of Antarctic diatoms as indicators of iron availability in the Southern Ocean: *in* SCAR-CAO Antarctica symposium; abstracts (van Bennekom, A. J.; *et al.*), **Circumpolar Journal**, 16(1), p. 42, 2001. *Meeting:* Apr. 12, 2001, Amsterdam, Netherlands.

# Coolen, Marco J. L.; Muyzer, Gerard; Schouten, Stefan; Volkman, John K. and Sinninghe Damsté, Jaap S.

Combined biogeochemical and molecular biological analysis of particulate organic matter and Holocene sediments of lakes and fjords of the Vestfold Hills, East Antarctica: *in* SCAR-CAO Antarctica symposium; abstracts (van Bennekom, A. J.; *et al.*), **Circumpolar Journal**, 16(1), p. 31-33, 2001. *Meeting:* Apr. 12, 2001, Amsterdam, Netherlands.

## 56002103

## van Leeuwe, M. A.

Antarctic phytoplankton; higher performance, better solutions?: *in* SCAR-CAO Antarctica symposium; abstracts (van Bennekom, A. J.; *et al.*), **Circumpolar Journal**, 16(1), p. 10-13, illus., 2001. *Meeting*: Apr. 12, 2001, Amsterdam, Netherlands.

## 56002104

## Kim, Seong-Joong and Stössel, Achim.

Impact of subgrid-scale convection on global thermohaline properties and circulation: **Journal of Physical Oceanography**, 31(3), p. 656-674, illus. incl. tables, 2001.

#### 56002105

Hawes, I. (National Institute of Water and Atmospheric Research, Christchurch, New Zealand); Moorhead, D.; Sutherland, D.; Schmeling, J. and Schwarz, A. M.

Benthic primary production in two perennially ice-covered Antarctic lakes; patterns of biomass accumulation with a model of community metabolism: **Antarctic Science**, 13(1), p. 18-27, illus. incl. 3 tables, 25 ref., March 2001.

#### 56002106

Fleisher, P. J. (State University of New York at Oneonta, Department of Earth Sciences, Oneonta, NY); Mucci, M. D.; Wickham, S.; Hunter, L.; Tormey, B. B.; Cadwell, D. H. and Bailey, P. K.

Rapid, on-going modifications of ice-contact lakes, eastern sector, Bering Glacier, AK [abstr.]: *in* Geological Society of America, Northeastern Section, 34th annual meeting, **Abstracts with Programs - Geological Society of America**, 31(2), p. 15, March 1999. *Meeting:* Mar. 22-24, 1999, Providence, RI. CRREL Report No: ERDC/CRREL MP-02-5790

## 56002107

Bland, Phil A. (Natural History Museum, Department of Mineralogy, London, United Kingdom); Jull, A. J. Timothy; Bevan, Alex W. R.; Smith, T. B.; Berry, F. J. and Pillinger, C. T. Ice flow as the principal sink for Antarctic meteorites: *in* Workshop on Extraterrestrial materials from cold and hot deserts (Schultz, Ludolf, editor; *et al.*), LPI Contribution, Rep. No. 997, p. 17-20, illus., 11 ref., 2000. *Meeting*: July 6-8, 1999, Pilanesberg, South Africa.

## 56002108

#### Gormly, Peter.

ANARE first aid manual: 6th edition, Australian Antarctic Division, Kingston, Tasmania, Australia, 79 p., illus., 1998. ISBN: 0642253358.

2/19/02 - 138 -

## Potter, Sandra and Ledingham, Rod.

ANARE field manual: 5th edition, Australian Antarctic Division, Kingston, Tasmania, Australia, 233 p., illus. incl. tables, 1998. ISBN: 0642253331.

## 56002110

## Martinez, Rodney.

Variabilidad oceanográfica en el Estrecho Bransfield asociada con el evento ENSO 1997-1998 [Oceanographic variability in the Bransfield Strait associated with the 1997-1998 ENSO event]: **Acta Antartica Ecuatoriana**, 4(1), p. 1-12, illus., 1998.

## 56002111

## Naranjo, Carlos.

Climatología Antártica en la estación científica Pedro Vicente Maldonado [Antarctic climatology at the Pedro Vicente Maldonado scientific station]: **Acta Antartica Ecuatoriana**, 4(1), p. 35-39, illus. incl. 1 table, 1998.

## 56002112

## Rojas, Piedad.

Determinación de niveles actuales de 137Cs en aguas marinas en el trayecto Guayaquil-Isla Greenwich y en algunos componentes del ecosistema acuático en Punta Fort William [Determining present levels of Cs-137 in sea water between Guayaquil-Greenwich Island and in some components of the aquatic ecosystem at Fort William Point]: **Acta Antartica Ecuatoriana**, 4(1), p. 41-44, illus. incl. 1 table, 1998.

## 56002113

## Fajardo, Marco.

Estudio de la presencia de gas radon y radiometría gamma superficial en el área de la Punta Fort William [Study of the presence of radon gas and surface gamma radiometry in the Fort William Point (Canto Point) region]: **Acta Antartica Ecuatoriana**, 4(1), p. 45-53, illus., 1998.

## 56002114

## Torres-Zambrano, Gladys.

Distribución de clorofila "A" y feopigmentos en el Estrecho Bransfield, Bahía Chile y Paso Drake durante el verano de 1998 (Antártica) [Distribution of chlorophyll A and pheopigments in the Bransfield Strait, Chile Bay (Discovery Bay) and Drake Passage during 1998 summer, Antarctica]: **Acta Antartica Ecuatoriana**, 4(1), p. 65-75, illus., 1998.

#### 56002115

#### Vidas, Davor, editor.

Protecting the polar marine environment; law and policy for pollution prevention: Cambridge University Press, Cambridge, United Kingdom, illus., 2000. Individual chapters are cited separately.

## 56002116

## Vukas, Budislav.

United Nations Convention on the Law of the Sea and the polar marine environment: *in* Protecting the polar marine environment; law and policy for pollution prevention (Vidas, Davor, editor), Cambridge University Press, Cambridge, United Kingdom, p. 34-56, 2000.

## Rothwell, Donald R.

Global environmental protection instruments and the polar marine environment: *in* Protecting the polar marine environment; law and policy for pollution prevention (Vidas, Davor, editor), Cambridge University Press, Cambridge, United Kingdom, p. 57-77, 2000.

#### 56002118

## Vidas, Davor.

The polar marine environment in regional cooperation: *in* Protecting the polar marine environment; law and policy for pollution prevention (Vidas, Davor, editor), Cambridge University Press, Cambridge, United Kingdom, p. 78-103, 2000.

## 56002119

## Joyner, Christopher C.

Protection of the Antarctic environment against marine pollution under the 1991 Protocol: *in* Protecting the polar marine environment; law and policy for pollution prevention (Vidas, Davor, editor), Cambridge University Press, Cambridge, United Kingdom, p. 104-123, 2000.

#### 56002120

## Rothwell, Donald R. and Joyner, Christopher C.

Domestic perspectives and regulations in protecting the polar marine environment; Australia, Canada and the United States: *in* Protecting the polar marine environment; law and policy for pollution prevention (Vidas, Davor, editor), Cambridge University Press, Cambridge, United Kingdom, p. 149-171, 2000.

## 56002121

## Brigham, Lawson W.

The emerging international polar navigation code; bi-polar relevance?: *in* Protecting the polar marine environment; law and policy for pollution prevention (Vidas, Davor, editor), Cambridge University Press, Cambridge, United Kingdom, p. 244-262, 2000.

## 56002122

#### McIvor, Ewan.

Towards ASMA designation of the Vestfold Hills, East Antarctica: **Antarctic CRC Research Report**, 19, 76 p., illus. incl. tables, 2000.

#### 56002123

## Worby, Anthony; Allison, Ian and Dirita, Vito.

A technique for making ship-based observations of Antarctic sea ice thickness and characteristics; Part I, Observational technique and results; Part II, User operating manual: **Antarctic CRC Research Report**, 14, 63 p., illus. incl. tables, 1999.

## 56002124

## Bintanja, Richard; Reijmer, Carleen H. and Snellen, Henk.

Meteorological investigations on a blue ice area in the Heimefrontfjella; the follow-up to the 1992/93 experiment: **Polarforskningssekretariatet Årsbok**, 1998, p. 30-34, illus. incl. tables, 1998.

2/19/02 - 140 -

## Modig, Anders.

Environmental project; SWEDARP 1997/98: **Polarforskningssekretariatet Årsbok**, 1998, p. 52, illus., 1998.

#### 56002126

Djurfeldt, Leif; Larsson, Anne-Marie; Sehlstedt, Per-Ingvar; Engum, Elisabet and Nost, Ole-Anders.

Physical oceanography of the eastern Weddell Sea: **Polarforskningssekretariatet Årsbok**, 1998, p. 59-61, illus., 1998.

## 56002127

## Karlson, Bengt and Godhe, Anna.

Phytoplankton observations in the Atlantic sector of the Southern Ocean:

Polarforskningssekretariatet Årsbok, 1998, p. 69-70, illus., 1998.

#### 56002128

## Kylin, Henrik; Jantunen, Liisa and Bidleman, Terry.

Air sea gas exchange and circulation of persistent organic pollutants in the Southern Ocean: **Polarforskningssekretariatet** Årsbok, 1998, p. 71-73, illus., 1998.

## 56002129

Vaughan, David G.; Bamber, Jonathan L.; Giovinetto, Mario; Russell, Jonathan and Cooper, A. Paul R.

Reassessment of net surface mass balance in Antarctica: **Journal of Climate**, 12(4), p. 933-946, illus. incl. tables, 1999.

## 56002130

Turner, John; Connolley, William M.; Leonard, Steven; Marshall, Gareth J. and Vaughan, David G.

Spatial and temporal variability of net snow accumulation over the Antarctic from ECMWF re-analysis project data: **International Journal of Climatology**, 19(7), p. 697-724, illus. incl. tables, 1999.

## 56002131

# Calvet, J. (Universidad de Barcelona, Departamento de Geodinamica i Geofisica, Spain); Garcia Selles, D. and Corbera, J.

Fluctuaciones de la extension del casquete glacial de la isla Livingston (shetland del sur) desde 1956 hasta 1996 [Fluctuations in the glacial cap extension of Livingston Island, South Shetlands, from 1956 to 1996]: *in* 10 anys de recerques impulsades del departament de geodinamica i geofisica a l'illa de Livingston, Shetland del sud, Antartida (Casas, J. M., editor; *et al.*), **Acta Geológica Hispánica**, 34(4), p. 365-374 (English sum.), illus. incl. 1 table, sketch maps, 13 ref., 1999.

# Benjumea, B. (Universidad de Granada, Instituto Andaluz de Geofisica, Spain); Teixido, T.; Ximenis, L. and Furdada, G.

Prospeccion sismica en el glaciar Johnsons, isla Livingston (Antartida); (campañas antarticas 1996-1997 y 1997-1998) [Seismic prospecting of the Johnsons Glacier, Livingston Island, Antactica; Antarctic expeditions of 1996-97 and 1997-98]: *in* 10 anys de recerques impulsades del departament de geodinamica i geofisica a l'illa de Livingston, Shetland del sud, Antartida (Casas, J. M., editor; *et al.*), **Acta Geológica Hispánica**, 34(4), p. 375-389 (English sum.), illus. incl. sects., 1 table, sketch maps, 14 ref., 1999.

## 56002133

# Furdada, G. (Universidad de Barcelona, Departamento de Geodinamica i Geofisica, Spain); Pourchet, M. and Vilaplana, J. M.

Study of Johnsons Glacier (Livingston Island, Antarctica) by means of shallow ice cores and their tephra and by analysis of <sup>137</sup>Cs content: *in* 10 anys de recerques impulsades del departament de geodinamica i geofisica a l'illa de Livingston, Shetland del sud, Antartida (Casas, J. M., editor; *et al.*), **Acta Geológica Hispánica**, 34(4), p. 391-401 (Catalan sum.), illus. incl. 1 table, sketch maps, 21 ref., 1999.

#### 56002134

# Ximenis, L. (Universidad de Barcelona, Departamento de Geodinamica i Geofisica, Spain); Calvet, J.; Enrique, J.; Corbera, J.; Fernandez de Gamboa, C. and Furdada, G.

The measurement of ice velocity, mass balance and thinning-rate on Johnsons Glacier, Livingston Island, South Shetland Islands, Antarctica: *in* 10 anys de recerques impulsades del departament de geodinamica i geofisica a l'illa de Livingston, Shetland del sud, Antartida (Casas, J. M., editor; *et al.*), **Acta Geológica Hispánica**, 34(4), p. 403-409 (Catalan sum.), illus. incl. sketch maps, 8 ref., 1999.

## 56002135

# Torcal, F. (Universidad de Granada, Instituto Andaluz de Geofisica, Granada, Spain); Calvet, J.; Brotons, L.; Vilaplana, J. M.; Serrano, I. and Enrique, J.

Caida de bloques de hielo en los frentes del glaciar de casquete de la isla Livingston (Archipielago de las Shetland del Sur); deteccion por metodos sismicos, influencia de las variables ambientales [Calving in the facade of the Livinston Island icecap glacier, South Shetlands Archipelago; detection by seismic methods, influence of environmental variables]: *in* 10 anys de recerques impulsades del departament de geodinamica i geofisica a l'illa de Livingston, Shetland del sud, Antartida (Casas, J. M., editor; *et al.*), **Acta Geológica Hispánica**, 34(4), p. 411-426 (English sum.), illus. incl. 3 tables, sketch maps, 25 ref., 1999.

## 56002136

# Pala, V. (Instituto Cartografico de Catalunya, Barcelona, Spain); Calvet, J.; Garcia Selles, D. and Ximenis, L.

Fotogrametria terrestre en el glaciar Johnsons, isla Livingston, Antartida [Terrestrial photogrammetry in Johnsons Glacier, Livinston Island, Antarctica]: *in* 10 anys de recerques impulsades del departament de geodinamica i geofisica a l'illa de Livingston, Shetland del sud, Antartida (Casas, J. M., editor; *et al.*), **Acta Geológica Hispánica**, 34(4), p. 427-445 (English sum.), illus. incl. 4 tables, sketch maps, 4 ref., 1999.

2/19/02 - 142 -

Castillo, M. (Universidad de Barcelona, Departamento de Geodinamica i Geofisica, Spain); Perez, F.; Pala, V. and Calvet, J.

Interferometria SAR en las islas Shetland del sur; modelo numerico de elevaciones de la isla Decepcion [SAR interferometry in the South Shetlands; numerical model of elevations of Deception Island]: *in* 10 anys de recerques impulsades del departament de geodinamica i geofisica a l'illa de Livingston, Shetland del sud, Antartida (Casas, J. M., editor; *et al.*), **Acta Geológica Hispánica**, 34(4), p. 447-459 (English sum.), illus., 11 ref., 1999.

#### 56002138

Faure, G. (Ohio State University, Department of Geological Sciences, Columbus, OH); Sipp, J. A. and Lee, G.

Search for anthropogenic cesium-137 in a soil profile in Beacon Valley, southern Victoria Land: **Antarctic Journal of the United States**, 32(5), p. 17-18, illus., 4 ref., 1998.

- 143 - 2/19/02