

**56003330**

**Anonymous.**

Instituto Antártico Uruguayo; actividad científica 1998/2000 [Uruguayan Antarctic Institute; scientific activities 1998/2000]: **Actividad Científica - Instituto Antártico Uruguayo**, 7, 141 p. (English sum.), illus., 2001. Individual chapters within scope are cited separately.

**56003424**

**Jagovkina, S. V. (Main Geophysical Observatory, Saint Petersburg, Russian Federation); Karol, I. L.; Zubov, V. A.; Lagun, V. E.; Reshetnikov, A. I. and Rozanov, E. V.**

Model study of distribution and intensity of methane fluxes in West Siberia and Russian Arctic: *in* Air pollution modelling and simulation; proceedings of the Second conference (Sportisse, Bruno, editor), **Proceedings - Conference on Air Pollution Modelling and Simulation**, 2, p. 169-176, illus., 15 ref., 2002. *Meeting*: April 9-12, 2001, Champs-sur-Marne, France.

**56003904**

**Brown, M. V. and Bowman, J. P.**

A molecular phylogenetic survey of sea-ice microbial communities (SIMCO): **FEMS Microbiology. Ecology**, 35(3), p. 267-275, illus. incl. 3 tables, 37 ref., May 2001.

**56004051**

**Goryakov, L. K., editor.**

Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar [Leading technologies of mineral resources exploitation, peculiarities of construction and ecology in extreme northern conditions; proceedings of the 4th republican seminar]: Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, 323 p., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation. Individual papers are cited separately.

**56004052**

**Pimenova, G. I. (Ukhtinskii Industrial'nyy Institut, Ukta, Russian Federation).**

Rezul'taty eksperimental'nykh issledovaniy relaksatsii napryazhenii vysokoprochnoi sterzhnevoi armatury klassa At-U [Experimental research results of pressure relaxation of high-strength pivoted armature At-U class]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 3-6, 4 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004053**

**Abashin, S. I. and Obrucheva, T. S.**

Deformatsiia kol'tsevoi krepki vertikal'nykh stvolov v uprugoi srede [Ring holder of vertical piles deformation in elastic media]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 9-13, illus., 2 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004054**

**Maksimenko, E. S. (BNIIOSP, Severnyy Filial, Russian Federation).**

Metodika vybora optimal'nykh urovnei nadezhnosti pri raschete osnovanii zdaniy, vozvodimykh na vechnomerzlykh gruntakh [Method to choose optimal reliability levels for foundations built on permafrost]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 13-17, illus., 4 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004055**

**Popov, V. L. (BNIIPKssk, Russian Federation).**

Tekhnologichnyy i dolgovechnyy beton s primeneniem otkhdov neftedobychi dlya konstruksii, ekspluatiruiushchikhsya na krainem severe [Technological and longlasting concrete with addition of oil exploitation products for structures in extreme northern conditions]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 17-22, illus., 3 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004056**

**Litvinenko, N. N. (Ukhtinskii Industrial'nyy Institut, Ukhta, Russian Federation).**

Eksperimental'noe issledovanie izgibaemykh i szhatoizgibaemykh panelei [Experimental studies of bending and compression-bending panels]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 22-23, 1 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004057**

**Belousov, N. A. (Ukhtinskii Industrial'nyy Institut, Ukhta, Russian Federation).**

Okhrana okruzhaiushchei sredy pri ekspluatatsii teplosilovykh ustanovok v usloviakh krainego severa [Environmental protection during thermal engine exploitation in extreme northern conditions]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 24-27, 1 table, 3 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004058**

**Kuznetsova, L. N. (Ukhtinskii Industrial'nyy Institut, Ukhta, Russian Federation) and Ermolaeva, N. V.**

Smeshannoe armirovanie zhelezobetonnykh elementov kak sposob sozdaniia zadannoi obespechennosti treshchinostoikosti [Mixed armature of steel-concrete elements as way to create given fracture resistance]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 27-31, illus. incl. 3 tables, 4 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004059**

**Nikiforov, V. V. (VNIOSP, Severnyy Filial, Russian Federation).**

Raschet temperaturnogo rezhima vozdukha v ventiliruemom podpol'e i tekhnicheskome etazhe pri stroitel'stve zdaniy na vechnomerzlykh gruntakh [Calculating thermal regime of air in ventilated basement and technical floor during construction in permafrost conditions]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviyakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiya Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 32-35, 1 table, 1 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004060**

**Kuprin, V. M. (VNIOSP, Russian Federation); Fedoseev, Iu. G.; Kostin, Z. S. and Bondarenko, G. I.**

Inzhenerno-geologicheskoe obespechenie stroitel'stva glubokikh shakhtnykh stvolov v pechorskom Basseine [Engineering-geological provision for deep mine pile construction in Pechora Basin]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviyakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiya Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 38-41, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004061**

**Volkovskaya, S. G. (Pechorniproekt, Russian Federation) and Chashchin, V. I.**

Sostoianie i meropriyatiya po ratsional'nomu ispol'zovaniyu prirodnykh resursov v Vorkutinskom promyshlennom rayone [State and efficient use of natural resources in Vorkuta industrial district]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviyakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiya Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 44-46, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004062**

**Podolyan, V. K. (Leningradskii Gornyy Institut, Saint Petersburg, Russian Federation).**

Ratsional'nye tekhnologicheskije skhemy provedeniya kapital'nykh i podgotovitel'nykh vyrabotok [Efficient technological plan of basic and preparatory workings mining]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviyakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiya Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 47-50, illus., 3 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004063**

**Tsarev, V. V. (Ukhtinskii Industrial'nyy Institut, Ukhta, Russian Federation).**

Ekologicheskije problemy razvitiya promyshlennosti stroitel'nykh materialov na severe [Ecological problems of construction materials exploitation in northern conditions]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviyakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiya Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 50-52, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004064**

**Polozov, A. E. (VNIPLspetsstroikonstruktsiia, Ukhtinskii Filial, Ukhta, Russian Federation) and Sanzharovskaia, S. F.**

Zashchita ot korrozii svainykh osnovanii v rayonakh krainego severa [Pile foundation protection against corrosion in northern conditions]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminarara (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 58-60, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004065**

**Belov, M. M.**

Osnovnye osobennosti dinamiki zagryaznennosti vodnykh ob'ektov v usloviakh krainego severa [Main features of water pollution dynamics in northern conditions]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminarara (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 60-63, illus., 2 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004066**

**Kuznetsova, L. N. (Ukhtinskii Industrial'nyy Institut, Ukhta, Russian Federation) and Myandina, E. S.**

Treshchinostoikostb smeshanno-armirovannykh zhelezobetonnykh zlementov, Pabotaiushchikh na tsiklicheskuui Nagruzlu [Fracture resistance of mixed-armature steel-concrete elements, working on cyclic loading]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminarara (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 63-64, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004067**

**Gorshkov, L. K.**

Temperaturnye napryazheniia na granitse massiva i zakreplennogo intervala skvazhiny [Thermal pressure on border between rock and locked borehole interval]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminarara (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 77-80, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004068**

**Miroshnichenko, P. I. (VNIIPKspetsstoikonstruktsiia, Ukhtinskii Filial, Ukhta, Russian Federation) and Lisin, V. N.**

Sposob vozvedeniia plitnykh opor truboprovodov na vechnomerzlykh gruntakh [Ways to construct plate foundation for pipelines on permafrost grounds]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminarara (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 151-153, 1 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004069**

**Sinyukov, A. M. (MING im. I. M. Gubkina, Russian Federation) and Luk'ianov, V. A.**

Osobennosti optimal'nogo normirovaniia koefitsientov zapaca prochnosti mezhdru zlementami vysokonadezhnykh sistem [Optimal regulation of strength capacity coefficient between elements of a highly reliable system]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 153-156, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004070**

**Serditova, N. A. (VNIIPKmetstoikonstruktsiia, Ukhtinskii Filial, Ukhta, Russian Federation) and Shutov, B. E.**

O metodologii optimal'nogo prochnostnogo proektirovaniia fundamentov neftyanykh rezervuarov na vechnomerzlykh gruntakh [Optimal strength planning of oil reservoir foundations in permafrost]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 159-162, illus., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004071**

**Tarasenko, E. I. and Alekseev, V. M.**

Napryazhennoe sostoianie merzlykh porod v prikonturnoi zone vyrabotok [Pressured condition of frozen ground in mine contact zone]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 209-214, illus., 4 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004072**

**Kostin, E. S. (Giproshakht, Russian Federation).**

Issledovanie fiziko-mekhanicheskikh kharakteristik chetvertichnykh otlozhenii pri proektirovanii otavalov i stvolov-fundamentov nadshakhtnykh sooruzhenii [Investigation of physico-mechanical properties of Quaternary rocks during planning of tailings and foundations over mine structures]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 227-229, 1 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004073**

**Polozov, A. E. (VNIIPKspetsstroii, Russian Federation).**

Ispol'zovanie iskusstvennogo kholoda pri stroitel'stve i ekspluatatsii lineinykh i ploshchadochnykh sooruzhenii na vechnoi merzlate [Artificial cold application for construction and exploitation of linear and areal structures on permafrost] [abstr.]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 298, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004074**

**Lifant'ev, V. I.**

Vuzovskaia nauka i stroitel'stvo [Higher education science and construction] [abstr.]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 298-299, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004075**

**Luk'ianchikov, V. V. and Frezen, I. I.**

Ekologiya i promyshlennoe osvoenie severa [Ecology and industrial development of Russian North territories]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 305-307, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004076**

**Budzialovskii, A. V. (Vorkutaugol', Russian Federation); Luk'ianchikov, V. V. and Frezen, I. I.**

Problema ekologizatsii khozyaistvennoi deiatel'nosti predpriatii [Ecological problems of industrial enterprises]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 307-309, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004077**

**Kaznacheev, V. S. and Menshikova, V. P.**

Problemy stroitel'nogo osvoeniia Iamburgskogo gasokondensatnogo mestorozhdeniia [Problems of construction development of Iamburgskoe gas condensate field]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 41-44, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004078**

**Akul'shina, N. P. (Syktyvskarskii Gosudarstvennyy Universitet, Syktyvkar, Russian Federation); Kotelina, N. S. and Arhegova, I. B.**

Prognoz izmenenii prirodnoi sredy po trasse proektiruemogo stroitel'stva SMGP Iamal-Zapad i elektricheskie rekomendatsii [Forecast of alteration of environment on the route of Iamal-West gas pipeline main construction and electrical recommendations]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminar (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 55-57, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**56004208**

**Revyakin, V. S., editor.**

Voprosy gornoj glyatsiologii [Mountain glaciology]: Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, 212 p., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation. Individual papers are cited separately.

**56004209**

**Tronov, M. V. (Tomskii Universitet, Tomsk, Russian Federation).**

Glyatsioklimatologiya kak kontaktnaya nauchnaya distsiplina, ee tseli i zadachi [Glacioclimatology as contact scientific discipline, its goals and problems]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 3-11, 14 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004210**

**Revyakin, V. S. (Tomskii Universitet, Tomsk, Russian Federation).**

Vnutrikontinental'nyy variant glyatsiosfery Zemli [Intracontinental version of Earth's glaciopause]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 12-35, illus. incl. 3 tables, 57 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004211**

**Tronov, M. V. (Tomskii Universitet, Tomsk, Russian Federation); Vasil'ev, V. V.; Dudukalova, N. I.; Dushkin, M. A.; Lupina, N. Kh.; Oleinik, I. Ia.; Parkhomenko, L. M.; Sevast'ianov, V. V.; Sevast'ianova, L. M.; Tronova, L. B. and Shmygleva, G. M.**

Osnovnye itogi issledovaniy po programme MGG v gornolednikovom Basseine Aktru [Main research results of International Geophysical Year program in mountain glaciers of the Aktru Basin]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 36-47, 15 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004212**

**Lupina, N. Kh. (Tomskii Universitet, Tomsk, Russian Federation); Parkhomenko, L. M.; Sevast'ianov, V. V.; Sevast'ianova, L. M.; Tronova, L. B. and Shmygleva, G. M.**

Novyy etap v meteorologii Aktru [New stage in Aktru meteorology]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 48-55, 2 tables, 7 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004213**

**Berezin, I. V. (Tomskii Universitet, Tomsk, Russian Federation); Vasil'ev, V. V.; Galakhov, V. P.; Goleshchikhin, V. P.; Oleinik, I. Ia.; Parkhomenko, L. M.; Polteva, O. P.; Romanova, L. V. and Shmygleva, G. M.**

Gidrometeorologicheskii rezhim gornolednikovyykh basseinov Altaia v anomal'nom 1974 godu [Hydrometeorological regime of mountain-glacier basins in Altai in anomalous 1974 year]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 56-64, illus. incl. 2 tables, 4 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004214**

**Sevast'ianov, V. V. (Tomskii Universitet, Tomsk, Russian Federation).**

Vliianie gorno-dolinnoi tsirkulyatsii na rezhin meteorologicheskikh elementov v basseine Aktru [Mountain-valley circulation influence on meteorological elements in Aktru Basin]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 65-71, illus. incl. 1 table, 9 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004215**

**Goleshchikhin, V. P. (Tomskii Universitet, Tomsk, Russian Federation).**

Osnovnye cherty radiatsionnogo rezhima Altae-Saianskoi gornoj oblasti [Main features of Altai-Saian mountain region radiation regime]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 72-79, illus., 9 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004216**

**Glazyrin, G. E. (SARNIGMI, Russian Federation).**

Rezhim sushestvovaniia mnogoletnikh snezhnikov; pochti-lednikov [Regime of perennial snow fields; almost glaciers]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 80-91, illus., 20 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004217**

**Oleinik, I. Ia. (Tomskii Universitet, Tomsk, Russian Federation).**

Ablyatsiia lednikov Aktru v ekstremal'nom sezone 1974 goda [Aktru glaciers ablation in extreme season of 1974]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 92-102, 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004219**

**Dudukalova, N. I. (Tomskii Universitet, Tomsk, Russian Federation).**

Snezhniki i ikh ustoichivost' v gornolednikovom basseine r. Aktru [Snow fields and their stability in mountain-glacial Aktru River basin]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 103-106, 4 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004220**

**Belova, N. I. (Tomskii Universitet, Tomsk, Russian Federation) and Gonokhova, V. M. G.**

Usloviia formirovaniia letnego polovod'ia r. Aktru s pozitsii reprezentativnosti [Summer flooding formation conditions of Aktru River from representation point of view]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 107-115, illus. incl. 1 table, 10 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004221**

**Revyakin, V. S. (Tomskii Universitet, Tomsk, Russian Federation) and Galakhov, V. N.** Veshchestvennyy balans lednikov Altaia [Mass balance of Altai glaciers]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 116-130, illus. incl. 9 tables, 9 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004222**

**Severskii, I. V. (Akademiia Nauk Kazakhskoi SSR, Sektor Geografii, Kazakhstan); Kontsova, L. N. and Toporkov, A. D.**

Nekotorye rezul'taty otsenki povtoryemosti lavin v zailiiskom Alatau po materialam dendrokronolo-gicheskogo analiza [Some results of avalanche repetition evaluations in Ili Alatau based on dendrochronological analysis data]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 131-140, illus., 13 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004223**

**Blagoveshchenskii, V. P. (Akademiia Nauk Kazakhskoi SSR, Sektor Geografii, Kazakhstan).**

Izuchenie vliianiia morfologii i morfometrii lavinnykh ochagov na dal'nost' vybrosa lavin statisticheskim metodom [Morphology and morphometry of avalanche sediments influence study on its discharge distance by statistical method]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 141-147, 5 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004224**

**Drozdovskaia, N. F. and Imas, L. I.**

Eksperiment prognoza lavin svezhevypavshogo snega s pomoshch'iu diskriminantnogo analiza [Experiment of avalanche prediction of fresh snow applying discriminant analysis]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 148-156, illus. incl. 2 tables, 13 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004225**

**Revyakin, V. S. (Tomskii Universitet, Tomsk, Russian Federation) and Petkevich, M. V.**

Opyt otsenki stepeni lavinnoi opasnosti na primere Katunskogo khrebta, Altai [Avalanche risk assessment and evaluation experience in Katunskii Ridge, Altai]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 157-162, 3 tables, 10 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004226**

**Rusanov, V. I. (Tomskii NII kurortologii, Tomsk, Russian Federation).**

Izuchennost' i perspektivy issledovaniia klimata Altaia v rekreatsionnykh tselyakh [Study and prospects of climate research in Altai for recreational purposes]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 163-170, 24 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004227**

**Slutskii, V. I. (Tomskii Universitet, Tomsk, Russian Federation).**

Aerologicheskaia struktura vetra v Gornom Altae [Aerological structure of Altai Mountains winds]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 171-175, 1 table, 8 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004228**

**Bordovskaia, L. I. (Tomskii Universitet, Tomsk, Russian Federation) and Belan, B. D.**

Aeroklimatografiia struinykh techenii nad Zaladnoi Sibir'iu [Aeroclimatography of air currents over West Siberia]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 176-185, 7 tables, 13 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004229**

**Rutkovskaia, N. V. (Tomskii Universitet, Tomsk, Russian Federation); Filandysheva, L. B. and Okimeva, L. N.**

Primenenie metoda kompleksnoi klimatologii k izucheniuu klimaticheskikh sezonov goda Zapadnoi Sibir'iu [Complex climatology method application to study seasonal climate of West Siberia]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 186-195, 25 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004230**

**Adamenko, M. F. (Tomskii Universitet, Tomsk, Russian Federation) and Syubaev, A. A.**

Dinamika klimata na territorii Gornogo Altaia v 15-20 vv [Climate dynamics in Gorny Altai in the 15th through 20th centuries]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 196-202, table, 14 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004231**

**Modina, T. D. (Gorno-Altayskii Pedagogicheskii Institut, Russian Federation) and Iugova, N. I.**

Vliianie osobennostei stroeniia podstilaiushchei poverkhnosti na protsessy nochnogo vykholazhivaniia vozdukha na dnishchakh dolin; na primere Gornogo Altaia [Influence of cover surface structure peculiarities on nightly air cooling at the bottom of valleys; Gorny Altai]: *in* Voprosy gornoj glyatsiologii (Revyakin, V. S., editor), Izdatel'stvo Tomskogo Universiteta, Tomsk, USSR, p. 203-210, 2 tables, 10 ref., 1977. *Meeting*: Itogi i perspektivy glyatsioidroklimaticheskogo izucheniia Altae-Saianskoe gornoj oblasti, Feb. 19-25, 1975, Tomsk, Russian Federation.

**56004238**

**Shepard, G. W.; Krumhansl, P. A.; Knack, M. L. and Malme, C. I.**

ANIMIDA; Phase I, ambient and industrial noise measurements near the Northstar and Liberty sites during April 2000: **OCS Report - MMS**, Rep. No. MMS 2001-047, 66 p., illus. incl. 3 tables, sketch maps, 5 ref., August 2001. Final report; includes 2 appendices.

**56004360**

**Morimoto, Shinji (National Institute of Polar Research, Tokyo, Japan); Aoki, Shuji; Nakanishi, Yuji; Wada, Makoto and Yamanouchi, Takashi.**

Meteorological data at Japanese Ny-Alesund observatory, Svalbard in 1999 and 2000: **NIPR Arctic Data Reports**, 5, 204 p., illus. incl. 3 tables, sketch map, 3 ref., March 2002.

**56004363**

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

A new pressure sensor for investigating apparent similarities in ice crushing behavior observed at different scales: **Institute Report - National Research Council of Canada, Institute for Marine Dynamics**, Rep. No. IR-2002-09, 12 p., illus., 12 ref., March 2002. Reprinted from IUTAM symposium on Scaling laws in ice mechanics and ice dynamics, J.P. Dempsey and H.H. Shen (eds.), pp. 67-78, 2001.

**56004366**

**Collin, Nathan (Bureau of Land Management, White Mountains National Recreation Area team, Fairbanks, AK); Kelly, Lon and Kostohrys, Jon.**

Adult salmon runs and streamflow data at a resistance board weir on Beaver Creek, Alaska, 1998-2000: **BLM-Alaska Open File Report**, Rep. No. 85, 15 p., illus. incl. 2 tables, sketch map, 6 ref., February 2002. Includes 2 appendices.

**56004367**

**Hjelle, A. (Norwegian Polar Institute, Polar Environmental Center, Tromso, Norway); Piepjohn, K.; Saalman, K.; Ohta, Y.; Salvigsen, O.; Thiedig, F. and Dallmann, W. K., compilers.**

Geological map of Svalbard 1:100,000; Sheet A7G Kongsfjorden: **Temakart - Norsk Polarinstitutt**, Norsk Polarinstitutt, Oslo, Norway, Rep. No. 30, 56 p. 1 sheet, illus. incl. strat. cols., sects.; geologic map, 1:100,000, 200 ref., 1999. ISBN: 82-7666-172-6.

**56004707**

**U. S. Department of the Interior, Mineral Management Service, Alaska OCS Region, U. S. Army Corps of Engineers, Alaska District Office and U. S. Environmental Protection Agency, Region 10.**

Liberty development and production plan; final environmental impact statement: **OCS Report - MMS**, Rep. No. MMS 2002-019, variously paginated, illus. incl. 66 tables, sketch maps, 856 ref., May 2002. Includes 13 appendices; in 4 volumes.

<http://www.mms.gov/alaska/cproject/liberty/>

**56004845**

**Lensu, Mikko, editor.**

MT Uikku as an ice load measurement platform: **Teknillinen Korkeakoulu - Laivalaboratorio, M = Helsinki University of Technology - Ship Laboratory, M**, Rep. No. M-267, 70 p., (Finnish, English), illus., 14 ref., 2002. ISBN: 951-22-5929-3. Individual papers are cited separately; includes appendix.

**56004846**

**Karttunen, Juha.**

Laivan Jaakuormien monitorointiohjelmiston kayttoohje [Ship monitoring operations]: *in* MT Uikku as an ice load measurement platform (Lensu, Mikko, editor), **Teknillinen Korkeakoulu - Laivalaboratorio, M = Helsinki University of Technology - Ship Laboratory, M**, Rep. No. M-267, p. 5-17, illus., 2002.

**56004847**

**Karttunen, Juha.**

Alipaastosuodatinyksikko LPF16SE [Underwater single unit filter]: *in* MT Uikku as an ice load measurement platform (Lensu, Mikko, editor), **Teknillinen Korkeakoulu - Laivalaboratorio, M = Helsinki University of Technology - Ship Laboratory, M**, Rep. No. M-267, p. 18-21, illus., 2002.

**56004848**

**Saarinen, Sami.**

MT Uikun jaakuormainstrumentoinnin korjaus [MT Uikun instrument repairs]: *in* MT Uikku as an ice load measurement platform (Lensu, Mikko, editor), **Teknillinen Korkeakoulu - Laivalaboratorio, M = Helsinki University of Technology - Ship Laboratory, M**, Rep. No. M-267, p. 22-35, illus., 2002.

**56004849**

**Lensu, Mikko and Patey, Matthew.**

Measurements of ice loads on board MT Uikku in March 2000: *in* MT Uikku as an ice load measurement platform (Lensu, Mikko, editor), **Teknillinen Korkeakoulu - Laivalaboratorio, M = Helsinki University of Technology - Ship Laboratory, M**, Rep. No. M-267, p. 36-54, illus. incl. 5 tables, sketch map, 2002.

**56004850**

**Lensu, Mikko.**

A database of ice load data collected during ARCDEV voyage, April-May 1998: *in* MT Uikku as an ice load measurement platform (Lensu, Mikko, editor), **Teknillinen Korkeakoulu - Laivalaboratorio, M = Helsinki University of Technology - Ship Laboratory, M**, Rep. No. M-267, p. 55-69, illus., 2002.

**56004922**

**Hermansson, Ake (Lulea University of Technology, Department of Civil and Mining Engineering, Lulea, Sweden).**

Frost modelling and pavement temperatures; summer pavement temperatures and frost modelling: **VTI Sartryck**, Rep. No. 344, variously paginated (Swedish sum.), illus., 26 ref., 2001. Master's thesis at Lulea University of Technology.

**56004926**

**de Baar, Hein J. W. (Netherlands Institute for Sea Research, Den Burg, Netherlands) and de Jong, Jeroen T. M.**

Distributions, sources and sinks of iron in seawater: *in* The biogeochemistry of iron in seawater (Turner, David R., editor; *et al.*), **IUPAC Series on Analytical and Physical Chemistry of Environmental Systems.**, 7, p. 123-253, illus. incl. 5 tables, 311 ref., 2001. Includes appendices.

**56004936**

**Suzuki, Katsuya (Aichi Science & Technology Foundation, Nagoya, Japan) and Awazu, Shigeo.**

Four-track vehicles by bondgraph; dynamic characteristics of four-track vehicles in snow: **Annual Conference - IEEE Industrial Electronics Society**, 26, Vol. 3, p. 1574-1579, illus., 5 ref., 2000. *Meeting*: 26th annual conference of the IEEE Industrial Electronics Society, Oct. 22-28, 2000, Nagoya, Japan.

**56004939**

**Li, Tingqiu (Helsinki University of Technology, Ship Laboratory, Helsinki, Finland).**

Ship wavemaking in the context of a RANS-solver FINFLO-ship: **Teknillinen Korkeakoulu - Laivalaboratorio, M = Helsinki University of Technology - Ship Laboratory, M**, Rep. No. M-270, 90 p., illus. incl. 13 tables, 45 ref., 2002. ISBN: 951-22-5880-3.

**56004940**

**Reiersen, Lars-Otto (Arctic Monitoring and Assessment Program, Norway).**

How will climate change affect the Arctic?: **WWF Arctic Bulletin**, 1.01, p. 6, illus., March 28, 2001.

**56004941**

**Curtis, Clif (World Wildlife Fund) and Olsen, Cynthia Palmer.**

New global POPs treaty will help protect Arctic ecosystems: **WWF Arctic Bulletin**, 1.01, p. 7, illus., March 28, 2001.

**56005047**

**Volkov, Vladimir A. (Nansen International Environmental and Remote Sensing Centre, St. Petersburg, Russian Federation); Johannessen, Ola M.; Borodachev, Victor E.; Voinov, Gennadiy N.; Pettersson, Lasse H.; Bobylev, Leonid P. and Kouraev, Alexei V.**

Polar seas oceanography; an integrated case study of the Kara Sea: *in the collection* Springer-Praxis books in geophysical sciences (Blondel, Philippe, editor). Springer, London, United Kingdom, Praxis, United Kingdom, 450 p., illus. incl. 10 plates, 101 tables, sketch maps, 426 ref., 2002. ISBN: 3-54042-969-7.

**56005093**

**Sasakawa, Yohei, prefacer.**

The Northern Sea Route; the shortest sea route linking East Asia and Europe: Ship & Ocean Foundation, Tokyo, Japan, 230 p., illus. incl. tables, sketch maps, 60 ref., 2001. ISBN: 4-88404-027-9. This book is the English version of "Hokkyokukai Koro", a report originally written in Japanese.  
publisher <http://www.sof.or.jp>

**56005095**

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

Durability issues of composites in cold regions: *in* Polymer composites II 2001; Applications of composites in infrastructure renewal and economic development (Creese, Robert C., editor; *et al.*), CRC Press, Boca Raton, FL, p. 125-136, illus., 14 ref., 2001. *Meeting*: Nov. 14-16, 2001, Morgantown, WV. CRREL Report No: ERDC/CRREL MP-02-5900

**56005096**

**Lampo, Richard G. (U. S. Army Engineer Research and Development Center, Construction Engineering Research Laboratory, Champaign, IL); Marshall, Orange S. and Dutta, Piyush K.**

Use of FRP composites in civil works structures: *in* Polymer composites II 2001; Applications of composites in infrastructure renewal and economic development (Creese, Robert C., editor; *et al.*), CRC Press, Boca Raton, FL, p. 235-244, illus., 12 ref., 2001. *Meeting*: Nov. 14-16, 2001, Morgantown, WV. CRREL Report No: ERDC/CRREL MP-02-5899

**56005097**

**Broeren, Andy P. (University of Illinois at Urbana-Champaign, Aeronautical and Astronautical Engineering, Urbana, IL) and Bragg, Michael B.**

Effect of residual and intercycle ice accretions on airfoil performance: **Report - Department of Transportation, Federal Aviation Administration, Office of Aviation Administration**, Rep. No. DOT/FAA/AR-02/68, 38 p., illus., 18 ref., May 2002. Includes 2 appendices; final report.

**56005113**

**Beniston, Martin, editor (University of Fribourg, Department of Geosciences, Fribourg, Switzerland).**

Climatic change; implications for the hydrological cycle and for water management: **Advances in Global Change Research**, 10, 501 p., 2002. ISBN: 1-4020-0444-3. Individual papers within scope are cited separately.

**56005114**

**May, Wilhelm (Danish Meteorological Institute, Copenhagen, Denmark); Voss, Reinhard and Roeckner, Erich.**

Changes in the mean and extremes of the hydrological cycle in Europe under enhanced greenhouse gas conditions in a global time-slice experiment: *in* Climatic change; implications for the hydrological cycle and for water management (Beniston, Martin, editor), **Advances in Global Change Research**, 10, p. 1-29, illus. incl. 1 table, sketch maps, 37 ref., 2002.

**56005115**

**Frigon, Anne (Université du Québec à Montréal, Montreal, PQ, Canada); Caya, Daniel; Slivitzky, Michel and Tremblay, Denis.**

Investigation of the hydrologic cycle simulated by the Canadian Region Climate Model over the Québec/Labrador territory: *in* Climatic change; implications for the hydrological cycle and for water management (Beniston, Martin, editor), **Advances in Global Change Research**, 10, p. 31-55, illus. incl. 1 table, sketch maps, 30 ref., 2002.

**56005116**

**Christensen, Ole Bossing (Danish Meteorological Institute, Copenhagen, Denmark); Christensen, Jens Hesselbjer and Botzet, Michael.**

Heavy precipitation occurrence in Scandinavia investigated with a regional climate model: *in* Climatic change; implications for the hydrological cycle and for water management (Beniston, Martin, editor), **Advances in Global Change Research**, 10, p. 101-112, illus. incl. sketch map, 11 ref., 2002.

**56005118**

**Gardelin, M. (Swedish Meteorological and Hydrological Institute, Norrkoping, Sweden); Bergstrom, S.; Carlsson, B.; Graham, L. P. and Lindstrom, G.**

Climate change and water resources in Sweden; analysis of uncertainties: *in* Climatic change; implications for the hydrological cycle and for water management (Beniston, Martin, editor), **Advances in Global Change Research**, 10, p. 189-207, illus. incl. 3 tables, sketch map, 30 ref., 2002.

**56005120**

**Anonymous.**

Technology assessment and research program for offshore minerals operations: **OCS Report - MMS**, Rep. No. MMS 91-0057, variously paginated, illus., 1991. Individual papers within scope are cited separately.

**56005121**

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

Small-scale experiments on splitting of ice floe ice impact on offshore structures: *in* Technology assessment and research program for offshore minerals operations, **OCS Report - MMS**, Rep. No. MMS 91-0057, p. 48-56, illus. incl. 2 tables, 14 ref., 1991. CRREL Report No: ERDC/CRREL MP-02-5928

**56005122**

**Sleefe, Gerard E. (Sandia National Laboratories, Advanced Technology Division, Albuquerque, NM).**

Seafloor seismic data study: *in* Technology assessment and research program for offshore minerals operations, **OCS Report - MMS**, Rep. No. MMS 91-0057, p. 91-97, illus. incl. 1 table, 3 ref., 1991.

**56005123**

**Nogami, Toyooki (Scripps Institution of Oceanography, La Jolla, CA).**

Offshore soil-pile interaction for earthquake loading: *in* Technology assessment and research program for offshore minerals operations, **OCS Report - MMS**, Rep. No. MMS 91-0057, p. 154-159, illus., 5 ref., 1991.

**56005124**

**O'Neill, M. W. (University of Houston, Houston, TX) and Vipulanandan, C.**

Response of tension piles to simulated seismic motion in saturated fine sand: *in* Technology assessment and research program for offshore minerals operations, **OCS Report - MMS**, Rep. No. MMS 91-0057, p. 160-165, illus., 4 ref., 1991.

**56005125**

**Schulson, Erland M. (Dartmouth College, Thayer School of Engineering, Ice Research Laboratory, Hanover, NH).**

Multiaxial properties of ice: *in* Technology assessment and research program for offshore minerals operations, **OCS Report - MMS**, Rep. No. MMS 91-0057, p. 177-179, illus., 1991.

**56005139**

**Tsernant, A. A. (Novosibirskii Institut Inzhenerov Zheleznodorozhnogo Transporta, Novosibirsk, Russian Federation).**

L'dobrazovanie pri namyve nasypei [Ice formation during embankment construction]: **Trudy Novosibirskogo Instituta Inzhenerov Zheleznodorozhnogo Transporta**, 76, p. 27-37, illus. incl. 2 tables, 1968.

**56005140**

**Al'tshuler, Z. E. (Novosibirskii Institut Inzhenerov Zheleznodorozhnogo Transporta, Novosibirsk, Russian Federation) and Kamenskaia, K. G.**

K metodike obrabotki meteorologicheskikh dannykh po snegoperenosu s pomoshch'iu ETsVM "Setun" [Meteorological data processing on snow transfer applying "Setun" computer program]: **Trudy Novosibirskogo Instituta Inzhenerov Zheleznodorozhnogo Transporta**, 76, p. 65-74, 3 tables, 7 ref., 1968.

**56005141**

**Matvienko, V. S. (Novosibirskii Institut Inzhenerov Zheleznodorozhnogo Transporta, Novosibirsk, Russian Federation).**

K voprosu eksperimental'nogo izucheniia fiziko-mekhanicheskikh kharakteristik lavinnogo potoka [Experimental study of physico-mathematical parameters of avalanches]: **Trudy Novosibirskogo Instituta Inzhenerov Zheleznodorozhnogo Transporta**, 76, p. 75-80, illus. incl. table, 4 ref., 1968.

**56005142**

**Marin, Iu. A. (Novosibirskii Institut Inzhenerov Zheleznodorozhnogo Transporta, Novosibirsk, Russian Federation).**

O roli nekotorykh prirodnykh faktorov v obrazovanii snezhnykh obvalov (na primere Kuibyshevskoi zheleznoi dorogi) [Role of some natural factors on snow avalanche formation; example of Kuibyshev Railroad]: **Trudy Novosibirskogo Instituta Inzhenerov Zheleznodorozhnogo Transporta**, 76, p. 81-88, illus. incl. 5 tables, 3 ref., 1968.

**56005143**

**Anfilof'ev, B. A. (Novosibirskii Institut Inzhenerov Zheleznodorozhnogo Transporta, Novosibirsk, Russian Federation).**

K voprosu kharakteristiki lavinoopasnykh mest zheleznoi dorogi v Kuznetskom Alatau [Avalanche risk parameters for railroads in Kuznetsk Alatau]: **Trudy Novosibirskogo Instituta Inzhenerov Zheleznodorozhnogo Transporta**, 76, p. 89-101, illus. incl. 3 tables, 9 ref., 1968.

**56005153**

**Overrein, Oystein (Norsk Polarinstitut, Tromso, Norway).**

Virkninger av motorferdsel pa fauna og vegetasjon; kunnskapsstatus med relevans for Svalbard [Effects of motorised traffic on fauna and vegetation; particularly as it pertains to Svalbard]: **Rapportserie - Norsk Polarinstitut**, 119, 28 p. (English sum.), illus. incl. geol. sketch map, 91 ref., April 2002. ISBN: 82-7666-188-2.

**56005154**

**Altobelli, Rocco (Yellowstone Club, Big Sky, MT).**

Raining avalanches: **The Avalanche Review**, 20(2), p. 6-7, illus. incl. sketch map, February 2002.

**56005155**

**Bachman, Don D.**

A summary of avalanche problems and responses in the USA: **The Avalanche Review**, 20(2), p. 9-10, 1 table, 4 ref., February 2002.

**56005156**

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

Global warming; CRREL documents changes in Alaskan landscape, vegetation: **Engineer Update**, 26(3), p. 6, illus., March 2002. CRREL Report No: ERDC/CRREL MP-02-5902

**56005280**

**Ammann, Walter (Eidgenössisches Institut für Schnee- und Lawinenforschung, SLF, Davos, Switzerland).**

Schnee und Lawinen in den Schweizer Alpen Winter 1997/98 [Snow and avalanches in the Swiss Alps winter 1997/98]: **Schnee- und Lawinenforum**, Rep. No. 62, 183 p., illus. incl. 37 tables, geol. sketch maps, 2002. ISBN: 2-904610-98-7.

**56005474**

**Lawyer, David T.**

Exploratory study of an icing index from satellite remote sensing of cloud liquid water over land: 111 p., illus. incl. 10 tables, 54 ref., Master's, May 1995, Colorado State University, Department of Atmospheric Science, Fort Collins, CO.

**56005492**

**Ashcraft, Ivan S. (Brigham Young University, Microwave Earth Remote Sensing Laboratory, Provo, UT) and Long, David G.**

Azimuth variation in microwave backscatter over the Greenland ice sheet: *in* IGARSS 2201; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1779-1781, illus., 4 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005493**

**Comiso, Josefino C. (NASA, Goddard Space Flight Center, Greenbelt, MD) and Stock, Larry V.**

Studies of Antarctic cloud cover variability from 1982 through 1999: *in* IGARSS 2001; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1782-1785, illus., 7 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005494**

**Dmitriev, W. V. (Omsk State Pedagogical University, Physics Department, Omsk, Russian Federation).**

The determination of some structural parameters of a snow from frequency dependence of its emissivity: *in* IGARSS 2201; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1786-1788, illus. incl. 1 table, 1 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005495**

**Pack, Jed D. (Brigham Young University, Microwave Earth Remote Sensing Laboratory, Provo, UT) and Jensen, Michael A.**

A multi-channel approach to Greenland snowmelt estimation: *in* IGARSS 2201; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1789-1791, illus., 3 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005496**

**Kim, Jeong Woo (Sejong University, Department of Earth Sciences, Sejong, South Korea); Hong, Sungmin; Lee, Dong-Cheon and Hong, Chang-Ki.**

Satellite altimetry-implied sea ice distribution in the Weddell Sea, Antarctica: *in* IGARSS 2001; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1792-1794, illus., 4 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005497**

**Li, Shusun (University of Alaska Fairbanks, Geophysical Institute, Fairbanks, AK) and Sturm, Matthew.**

Derivation of spatial distribution of snow precipitation using interferometric SAR technique: *in* IGARSS 2201; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1795-1797, illus., 5 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia. CRREL Report No: ERDC/CRREL MP-02-5929

**56005498**

**Stroeve, Julianne (University of Colorado, National Snow and Ice Data Center/Cooperative Institute for Research in Environmental Sciences, Boulder, CO); Markus, Thorsten and Maslanik, James.**

Sensitivity analysis of operational passive microwave sea-ice algorithms: *in* IGARSS 2201; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1798-1800, illus. incl. 1 table, 5 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005499**

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

Derivation of surface direct beam spectral albedo for a wide range of incident angles from spectral reflectance measurements under overcast conditions: *in* IGARSS 2001; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1801-1803, illus., 3 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005500**

**Yue, B. (University of Waterloo, Department of Systems Design Engineering, Waterloo, ON, Canada) and Clausi, D. A.**

Sea ice segmentation using Markov random fields: *in* IGARSS 2201; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1877-1879, illus., 6 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005501**

**Shiina, Toru (Toyama National College of Technology, Toyama, Japan) and Muramoto, Ken-ichiro.**

Measurement of Z-R relations using a small Doppler radar and image data of snow particles: *in* IGARSS 2201; Scanning the present and resolving the future; proceedings (Milne, Tony, chairperson; *et al.*), **International Geoscience and Remote Sensing Symposium**, 2001, Vol. IV, p. 1993-1995, illus., 4 ref., 2001. *Meeting*: IEEE 2001 international geoscience and remote sensing symposium, July 9-13, 2001, Sydney, N.S.W., Australia.

**56005502**

**Bernstein, Ben C. (National Center for Atmospheric Research, Boulder, CO); Ratvasky, Thomas P.; Miller, Dean R. and McDonough, Frank.**

Freezing rain as an in-flight hazard: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 38-42, illus., 9 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005503**

**Brown, Barbara G. (National Center for Atmospheric Research, Research Applications Program, Boulder, CO); Kane, Tressa L.; Bullock, Randy and Politovich, Marcia K.**

Evidence of improvements in the quality of in-flight icing algorithms: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 48-52, illus. incl. 2 tables, 23 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005504**

**Sims, Danny L. (Federal Aviation Administration, William J. Hughes Center, Atlantic City, NJ); Fidalgo, Cynthia B.; Turner, Chris; Politovich, Marcia K. and Johnson, David.**

Integrated Icing Diagnostic Algorithm assessment at the Aviation Weather Center: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 53-57, illus. incl. 5 tables, 4 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005507**

**Holland, Lacey D. (University Corporation for Atmospheric Research, Significant Opportunities in Atmospheric Research and Science, Boulder, CO) and Politovich, Marcia K.**

An inferred winter cloud climatology: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 429-432, illus., 14 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005508**

**Brown, Barbara G. (National Center for Atmospheric Research, Research Applications Program, Boulder, CO); Bernstein, Ben C.; McDonough, Frank and Bernstein, Tiffany A. O.**

Probability forecasts of in-flight icing conditions: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 433-437, illus. incl. 1 table, 16 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005509**

**Turner, Christopher M. (Raytheon Service Company, Technical Resources, Township, NJ); Sims, Danny L. and Rasmussen, Roy.**

Weather Support to Deicing Decision Making (WSDDM) meteorological evaluation at the Federal Aviation Administration William J. Hughes Technical Center: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 438-442, illus. incl. 3 tables, 3 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005510**

**Politovich, Marcia K. (National Center for Atmospheric Research, Research Applications Program, Boulder, CO).**

How can we use and depict variability of clouds in icing forecasts?: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 443-446, illus. incl. 1 table, 8 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005511**

**Tremblay, Andre (Cloud Physics Research Division, Dorval, PQ, Canada) and Glazer, Anna.**

A new microphysics scheme for improved forecasts of freezing precipitation and aircraft icing: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 447-451, illus., 7 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005512**

**Tilley, Jeffrey S. (University of Alaska-Fairbanks, Geophysical Institute, Fairbanks, AK); Wilkinson, Debi-Lee and Politovich, Marcia K.**

Application of mesoscale model data to algorithms for inflight icing over the Alaska region: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 452-456, illus. incl. 2 tables, 14 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX.

**56005513**

**Savage, R. C. (Raytheon Systems Company and Cold Regions Research & Engineering Laboratory, Franktown, CO); Lines, R. T.; Cole, Jeff and Koenig, George G.**

A passive microwave icing avoidance system (MIAS): *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 457-461, illus., 5 ref., January 1999. *Meeting*: Jan. 10-15, 1999, Dallas, TX. CRREL Report No: ERDC/CRREL MP-02-5912

**56005514**

**Rasmussen, Roy (National Center for Atmospheric Research,, Boulder, CO); Dixon, Mike; Hage, Frank; Cole, Jeff; Rehak, Nancy; Wade, Chuck; Ames, Rachel; Karplus, Eli; Tuttle, John; McGettigan, Starr; Carty, Thomas C.; Stevenson, Lloyd and Fellner, Warren.**

Weather Support to Deicing Decision Making (WSDDM); a winter weather nowcasting system: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 462-466, illus., 6 ref., January 1999. *Meeting:* Jan. 10-15, 1999, Dallas, TX.

**56005515**

**McDonough, Frank (National Center for Atmospheric Research, Boulder, CO) and Bernstein, Ben C.**

Combining satellite, radar, and surface observations with model data to create a better aircraft icing diagnosis: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 467-471, illus., 9 ref., January 1999. *Meeting:* Jan. 10-15, 1999, Dallas, TX.

**56005516**

**Fike, Paul C. (National Weather Service, Aviation Weather Center, Kansas City, MO).**

A case study of high level icing using RUC model data: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 493-496, illus. incl. 1 table, 6 ref., January 1999. *Meeting:* Jan. 10-15, 1999, Dallas, TX.

**56005517**

**Koenig, George G. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Ryerson, C. R.; Mead, J. and Pazmany, A.**

Multi-frequency radar technique for detecting cloud parameters for predicting aircraft icing potential: *in* Eighth conference on Aviation, range, and aerospace meteorology (Sankey, David A., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 8, p. 502-506, illus. incl. 4 tables, 7 ref., January 1999. *Meeting:* Jan. 10-15, 1999, Dallas, TX. CRREL Report No: ERDC/CRREL MP-02-5913

**56005518**

**Greene, Arthur Mitchell.**

Response of mountain glaciers to climate forcing; analysis and applications: 188 p., illus. incl. 13 tables, sketch maps, 133 ref., Doctoral, 2002, Columbia University, New York, NY. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**56005519**

**Viens, Robert Joseph.**

Late Holocene climate change and calving glacier fluctuations along the southwestern margin of the Stikine Icefield, Alaska: 160 p., illus. incl. strat. cols., 11 tables, sketch maps, 245 ref., Doctoral, 2001, University of Washington, Seattle, WA. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**56005520**

**Hanesiak, John Michael.**

Development of a one-dimensional electro-thermophysical model of the snow sea-ice system; Arctic climate processes and microwave remote sensing applications: 293 p., illus. incl. 18 tables, 190 ref., Doctoral, 2001, University of Manitoba, Winnipeg, MB, Canada. ISBN: 0-612-62637-7 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**56005521**

**Heigh, Jeremy Trenton.**

Estimating the cost of the 1998 ice storm for woodlot owners in eastern Ontario; case studies of red pine and white cedar: 142 p., illus. incl. 31 tables, 78 ref., Master's, 2001, University of Guelph, Guelph, ON, Canada. ISBN: 0-612-61905-2 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**56005523**

**Kavanaugh, Jeffrey Lawrence.**

Hydromechanical behaviour of a surge-type glacier; Trapridge Glacier, Yukon Territory, Canada: 157 p., illus. incl. 7 tables, sketch maps, 134 ref., Doctoral, December 2000, University of British Columbia, Vancouver, BC, Canada. ISBN: 0-612-61125-6 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**56005524**

**Beilman, David Wesley.**

Localized permafrost peatlands in boreal Western Canada; distributions, plant communities and peatland development: 119 p., illus. incl. 6 tables, Master's, 2001, University of Alberta, Edmonton, AB, Canada. ISBN: 0-612-60411-X microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**56005525**

**Hodder, Kyle Ross.**

Holocene and Recent sedimentation record from glacier-fed Mud Lake, British Columbia, Canada: 146 p., illus. incl. sects., 5 tables, 116 ref., Master's, 2001, University of Toronto, Toronto, ON, Canada. ISBN: 0-612-63053-6 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**56005526**

**Workmaster, Beth Ann Allen.**

Cold hardiness, ice nucleation, and growth modeling in the cranberry plant: 245 p., illus. incl. 29 tables, 86 ref., Doctoral, 2001, University of Wisconsin at Madison, Madison, WI. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**56005527**

**Barber, Donald Charles.**

Laurentide ice sheet dynamics from 35 to 7 ka; Sr-Nd-Pb isotopic provenance of NW North Atlantic margin sediments: 160 p., illus. incl. 3 tables, sketch maps, 178 ref., Doctoral, 2001, University of Colorado. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**56005528**

**Box, Jason Eric.**

Surface water vapor exchanges on the Greenland ice sheet derived from automated weather station data: 232 p., illus. incl. 39 tables, sketch maps, 138 ref., Doctoral, 2001, University of Colorado. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendix.

**56005530**

**Shiklomanov, Nikolay I.**

Active-layer thickness in the Kuparuk region, north-central Alaska; spatial time series analysis and stochastic modeling: 180 p., illus. incl. 17 tables, sketch maps, 165 ref., Doctoral, 2001, University of Delaware, Newark, DE. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**56005537**

**Li, Yongxiang.**

Intraseasonal and interannual variability of sea ice in the Gulf of St. Lawrence: 188 p., illus. incl. 4 tables, sketch maps, 56 ref., Doctoral, January 2000, McGill University, Montreal, PQ, Canada. ISBN: 0-612-64606-8 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**56005538**

**Zhuang, Qianlai.**

Modeling the influences of climate change, permafrost dynamics, and fire disturbance on carbon dynamics of high latitude ecosystems: 218 p., illus. incl. 11 tables, Doctoral, December 2001, University of Alaska, Fairbanks, AK. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendix.

**56005539**

**Wilson, Katherine Jean.**

Ice motion dynamics in the 1998 North Water Polynya (NOW) season; validation and monitoring using RADARSAT-1 SCW data and the Canadian Ice Service ice tracking algorithm: 162 p., illus. incl. 24 tables, sketch maps, 65 ref., Master's, 2000, Carleton University, Ottawa, ON, Canada. ISBN: 0-612-57695-7 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**56005549**

**Sand, Wayne R. and Vaughan, William W., chairpersons.**

Ninth conference on aviation, range, and aerospace meteorology: **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, variously paginated, illus. incl. tables, sketch maps, September 2000. *Meeting:* Sept. 11-15, 2000, Orlando, FL. Individual papers within scope are cited separately.

publisher <http://www.ametsoc.org/AMS>

**56005550**

**Politovich, Marcia K. (National Center for Atmospheric Research, Boulder, CO) and Brown, Barbara G.**

Good news from the FAA's inflight icing product development team: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 227-232, illus. incl. 1 table, 17 ref., September 2000. *Meeting:* Sept. 11-15, 2000, Orlando, FL.

**56005551**

**Rasmussen, Roy (National Center for Atmospheric Research, Boulder, CO); Geresdi, Istvan; Thompson, Gregory; Manning, Kevin and Karplus, Eli.**

Freezing drizzle and supercooled large droplet (SLD) formation in stably stratified layer clouds; results from detailed microphysical simulations and implications for aircraft icing: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 233-238, illus., 22 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005552**

**Bernstein, Ben C. (National Center for Atmospheric Research, Boulder, CO) and McDonough, Frank.**

Environments associated with large droplet, small droplet, mixed-phase icing, and glaciated conditions aloft: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 239-244, 7 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005553**

**Ellis, S. M. (National Center for Atmospheric Research, Boulder, CO); Vivekanandan, J.; Brandes, Edward A.; Stith, J. and Keeler, R. J.**

Aircraft icing detection using S-band polarization radar measurements: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 245-250, illus., 15 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005554**

**Thompson, Gregory (National Center for Atmospheric Research, Boulder, CO); Bernstein, Ben C. and Rasmussen, Roy.**

Application of a mixed-phase microphysics scheme to predict aircraft icing: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 251-255, illus., 8 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005555**

**Smith, William L., Jr. (Analytical Services and Materials, Hampton, VA); Minnis, Patrick and Young, David F.**

An icing product derived from operational satellite data: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 256-259, illus., 16 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005556**

**Kaplan, Michael L. (North Carolina State University, Department of Marine, Earth, and Atmospheric Sciences, Raleigh, NC); Riordan, Allan J.; Lin, Y. L.; Huffman, Allan W.; Lux, Kevin M. and Waight, Kenneth T., III.**

Simulations and observations implicating mesoscale gravity waves in producing an environment which is conducive to aircraft icing: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 260-265, illus., 5 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005557**

**McCann, Donald W. (Aviation Weather Center, Kansas City, MO) and Kennedy, Phillip R.** Percent power increase; a simple way to quantify an icing hazard: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 266-269, illus. incl. 2 tables, 8 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005558**

**Kane, Tressa L. (National Center for Atmospheric Research, Boulder, CO); Brown, Barbara G. and Bernstein, Ben C.**

Regional icing algorithm performance analysis: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 270-273, illus. incl. 1 table, 8 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005559**

**Bernstein, Ben C. (National Center for Atmospheric Research, Boulder, CO); McDonough, Frank; Politovich, Marcia K. and Brown, Barbara G.**

A research aircraft verification of the integrated icing diagnostic algorithm (IIDA): *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 280-285, illus. incl. 2 tables, 6 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005560**

**Sand, Wayne R. (Aviation Weather Consulting, Boulder, CO) and Biter, Cleon J.**

An aircraft flight test program in natural icing conditions; Part 1, Forecasting for the desired meteorological conditions: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 286-288, illus. incl. 1 table, September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005561**

**Sorrells, Ralph (Mitsubishi Heavy Industries America, Dallas, TX); Sand, Wayne R. and Biter, Cleon J.**

An aircraft flight test program in natural icing conditions; Part 2, Correspondence between the forecast icing conditions, the actual icing conditions and the type and amount of ice accreted on the aircraft: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 289-291, illus. incl. 1 table, September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005562**

**Cortinas, John V., Jr. (University of Oklahoma, NOAA/OAR/National Severe Storms Laboratory, Norman, OK); Robbins, Christopher C.; Bernstein, Ben C. and Strapp, J. Walter.**

A climatology of freezing rain, freezing drizzle, and ice pellets across North America: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 292-297, 18 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005563**

**Sims, Danny L. (Federal Aviation Administration, William J. Hughes Technical Center, Atlantic City, NJ); Fidalgo, Cynthia B. and Carty, Thomas C.**

Integrated icing diagnostic algorithm assessment at regional airlines: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 298-302, illus. incl. 3 tables, sketch map, 2 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005564**

**Ramsay, Allan C. (Raytheon Information Technology and Scientific Services, Sterling, VA) and Dover, Jennifer.**

Freezing drizzle identification from the Automated Surface Observing System (ASOS); field evaluation of a proposed multi-sensor algorithm: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 303-308, illus. incl. 3 tables, 7 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005565**

**Weinrich, Jeffrey A. (System Resources Corporation, Atlantic City, NJ); Carty, Thomas C.; Sims, Danny L. and Passetti, Victor.**

Integrated diagnostic algorithm meteorological evaluation: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 309-311, illus. incl. 3 tables, 3 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005566**

**Ramsay, Allan C. (Raytheon Information Technology and Scientific Services, Sterling, VA).**

Surface ice accretion rates from the Automated Surface Observing System (ASOS); an issue for deicing holdover times: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 312-316, illus. incl. 2 tables, 15 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005567**

**Xu, Mei (National Center for Atmospheric Research, Boulder, CO); Sun, Juanzhen; Crook, Andrew and Rasmussen, Roy.**

Short term forecasting of snowbands using Doppler radar observations and a cloud-scale model: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 362-364, illus., 3 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005568**

**Brown, Barbara G. (National Center for Atmospheric Research, Boulder, CO) and Young, Gregory S.**

Verification of icing and turbulence forecasts; why some verification statistics can't be computed using PIREPS: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 393-398, illus. incl. 9 tables, 13 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005569**

**Crowe, Bradley A. (Massachusetts Institute of Technology, Lincoln Laboratory, Lexington, MA); Evans, James E. and Miller, David W.**

Measurement of hazardous winter storm phenomena at the Portland OR International Airport: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 525-530, illus., 7 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005570**

**Ryerson, Charles C. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Koenig, George G. and Scott, Forrest R.**

Retrieval of cloud microphysics during the Mt. Washington Icing Sensors Project (MWISP): *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 531-536, illus., 7 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL. Includes appendix. CRREL Report No: ERDC/CRREL MP-02-5914

**56005571**

**Reinking, Roger F. (NOAA/OAR Environmental Technology Laboratory, Boulder, CO); Matrosov, Sergey Y.; Ryerson, Charles C.; Kropfli, Robert A. and Bartram, Bruce W.**

Verified detection of supercooled large droplets with dual-polarized, millimeter-wave radar: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 537-542, illus., 18 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL. CRREL Report No: ERDC/CRREL MP-02-5915

**56005572**

**Wade, Charles G. (National Center for Atmospheric Research, Boulder, CO).**

A technique for improving the detection of drizzle and freezing drizzle on ASOS automated weather observing stations: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 543-546, illus., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005573**

**Vasiloff, Steve (NOAA/National Severe Storms Laboratory, Norman, OK); Rasmussen, Roy; Dixon, M. and Hage, F.**

Evaluation of snow forecasts provided by the Weather Support to Deicing Decision Making (WSDDM) system: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 547-550, illus. incl. 1 table, 3 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005574**

**Politovich, Marcia K. (National Center for Atmospheric Research, Boulder, CO) and Riley, J. T.**

Mixed-phase icing conditions: *in* Ninth conference on aviation, range, and aerospace meteorology (Sand, Wayne R., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 9, p. 274-279, illus. incl. 2 tables, 19 ref., September 2000. *Meeting*: Sept. 11-15, 2000, Orlando, FL.

**56005575**

**Surmeier, Mark T. and Khodadoust, Abdollah, chairpersons.**

10th conference on Aviation, range, and aerospace meteorology: **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, variously paginated, illus. incl. tables, sketch maps, May 2002. *Meeting*: May 13-16, 2002, Portland, OR. Individual papers within scope are cited separately.

publisher <http://www.ametsoc.org/AMS>

**56005576**

**Politovich, Marcia K. (National Center for Atmospheric Research, Research Applications Program, Boulder, CO); Bernstein, Ben C.; Hopewell, J. and Lindholm, T.**

An unusual icing case; 20 March 2000, Denver, Colorado: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 37-40, illus., 7 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005577**

**Politovich, Marcia K. (National Center for Atmospheric Research, Research Applications Program, Boulder, CO); McDonough, Frank and Bernstein, Ben C.**

Issues in forecasting icing severity: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 85-88, illus. incl. 1 table, 14 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005578**

**Smith, William L., Jr. (NASA, Langley Research Center, Hampton, VA); Minnis, Patrick; Bernstein, Ben C.; Rapp, A. D. and Heck, P. W.**

Supercooled liquid water cloud properties derived from GOES; comparisons with in-situ aircraft measurements: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 89-92, illus. incl. 1 table, 17 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005579**

**Leifeld, C. (University of Hannover, Institute of Meteorology and Climatology, Hanover, Federal Republic of Germany); Hauf, T.; Tafferner, A. and Leykauf, H.**

ADWICE; advanced diagnosis and warning system for aircraft icing environments: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 93-95, 8 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005580**

**Thompson, Gregory (National Center for Atmospheric Research, Boulder, CO); Rasmussen, Roy and Bernstein, Ben C.**

Detailed comparisons of aircraft icing environments and model-predicted microphysics: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 96-99, illus., 3 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005581**

**Soddell, Jade R. (University of Technology, Department of Applied Physics, Sydney, N.S.W., Australia); McGuffie, K. and Holland, G. J.**

An in-flight airframe icing nowcast for use with the aerosonde: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 100-103, illus., 6 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005582**

**Ryzhkov, Alexander V. (Cooperative Institute for Mesoscale Meteorological Studies, Norman, OK); Janish, Janelle M.; Schuur, Terry J.; Zhang, Pengfei and Elmore, Kimberly L.** Dual-polarization radar as a tool for operating identification of different types of meteorological and non-meteorological targets: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 104-107, illus., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005583**

**Brandes, Edward A. (National Center for Atmospheric Research, Research Applications Program, Boulder, CO); Vivekanandan, J. and Rasmussen, Roy.**

Rain-snow discrimination with polarimetric radar: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 108-111, 3 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005584**

**Gultepe, I. (Meteorological Service of Canada, Cloud Physics Research Division, Toronto, ON, Canada); Isaac, G. A.; Hudak, D. and Sekelsky, S.**

Mean volume radius estimates from aircraft, radiometer, and Doppler radar observations during the AIRS field project: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 112-115, 10 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005585**

**Xu, Mei (National Center for Atmospheric Research, Boulder, CO); Crook, N. Andrew and Rasmussen, Roy.**

Assimilation of radar data for short term forecasting of snowband using a mesoscale model; simulated data experiments: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 142-145, illus. incl. 1 table, sketch map, 3 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005586**

**Ryerson, Charles C. (U. S. Army Corps of Engineers Cold Regions Research and Engineering Laboratory, Hanover, NH); Koenig, George G.; Politovich, Marcia K. and Reehorst, Andrew L.**

Mt. Washington Icing Sensors Project (MWISP) results: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 228-231, 16 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR. CRREL Report No: ERDC/CRREL MP-02-5916

**56005587**

**Rasmussen, R. M. (National Center for Atmospheric Research, Research Applications Program, Boulder, CO); Hallett, J.; Purcell, R.; Cole, Jeff and Tryhane, M.**

The hotplate snowgauge: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 261-264, illus. incl. 1 table, 3 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005588**

**Brown, Barbara G. (National Center for Atmospheric Research, Boulder, CO); Mahoney, Jennifer L. and Fowler, Tressa L.**

Verification of the In-flight Icing Diagnostic Algorithm (IIDA): *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 311-314, illus. incl. 1 table, 13 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005589**

**Chapman, Michael (National Center for Atmospheric Research, Boulder, CO) and Bernstein, Ben C.**

Analysis of problematic IIDA icing diagnoses in the Pacific Northwest: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 315-318, illus., 5 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005590**

**Stanley, Rebecca J. (Plymouth State College, Natural Science Department, Plymouth, NH); Koermer, James P. and Ryerson, Charles C.**

Evaluation of low-level aircraft icing forecasts from Mt. Washington summit observations: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. 319-322, illus., 11 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR. CRREL Report No: ERDC/CRREL MP-02-5917

**56005591**

**Young, Gregory S. (National Center for Atmospheric Research, Boulder, CO); Brown, Barbara G. and McDonough, Frank.**

An inferred icing climatology; Part I, Estimation from pilot reports and surface conditions: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. J17-J20, illus., 5 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005592**

**Bernstein, Ben C. (National Center for Atmospheric Research, Boulder, CO) and McDonough, Frank.**

An inferred icing climatology; Part II, Applying a version of IIDA to 14-years of coincident soundings and surface observations: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. J21-J24, illus. incl. sketch map, 7 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005593**

**Fowler, Tressa L. (National Center for Atmospheric Research, Boulder, CO); Crandell, Melissa and Brown, Barbara G.**

An inferred icing climatology; Part III, icing AIRMETS and IIDA: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. J25-J28, illus. incl. 1 table, sketch map, 6 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005594**

**Tilley, Jeffrey S. (University of Alaska, Geophysical Institute, Fairbanks, AK); Meng, Xiande and Kramm, Gerhard.**

The impacts of microphysical schemes and parameter choices on icing diagnoses using the UAF integrated in-flight icing diagnostic algorithm for Alaska: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. J59-J62, illus. incl. sketch maps, 12 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005595**

**Olofsson, Bernt (Swedish Armed Forces Headquarters, Stockholm, Sweden); Olsson, Esbjorn and Martensson, Tomas.**

A new algorithm to estimate aircraft icing in the HIRLAM model: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. J67-J69, illus., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005596**

**Tilley, Jeffrey S. (University of Alaska at Fairbanks, Geophysical Institute, Fairbanks, AK); Meng, Xiande and Long, James.**

Incorporating data from GOES and POES platforms into an integrated in-flight icing diagnostic algorithm for Alaska: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. J89-J92, illus., 16 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**56005597**

**Cripe, Douglas G. (Kent State University, Department of Geography, Kent, OH) and Doesken, Nolan.**

Suitability of the Judd ultrasonic snow depth sensor for estimating 6- and 24-hour snowfall amounts: *in* 10th conference on Aviation, range, and aerospace meteorology (Surmeier, Mark T., chairperson; *et al.*), **Conference on Aviation, Range, and Aerospace Meteorology - Preprints**, 10, p. J123-J124, illus. incl. 1 table, 2 ref., May 2002. *Meeting*: May 13-16, 2002, Portland, OR.

**57000001**

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

Off-the-shelf antifreeze admixtures: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL TR-02-7, 30 p., illus. incl. 6 tables, 31 ref., April 2002. *Available from*: National Technical Information Service, Springfield, VA, United States.  
[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR02-7.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR02-7.pdf)

**57000074**

**Grave, N. A.; Gavrilova, M. K.; Gravis, G. F.; Katasonov, E. M.; Klyukin, N. K.; Koreisha, M. M.; Kornilov, B. A. and Chistotinov, L. V.**

Promerzanie zemnoi poverkhnosti i oledenenie Khrebtta Suntar-Khaiata [Freezing of ground surface and glaciation of Suntar-Khaiata Range]: *in the collection* Glyatsiologiya; IX razdel programmy MGGÝT Glaciology; 9th section of International Geophysical Year Program. Nauka, Moscow, USSR, 14, 141 p. (English sum.), illus. incl. 32 tables, 241 ref., 1964.

**57000132**

**Parau, Emilian (West University of Timisoara, Romania) and Dias, Frederic.**

Nonlinear effects in the response of a floating ice plate to a moving load: **Journal of Fluid Mechanics**, 460, p. 281-305, illus. incl. 4 tables, 30 ref., June 10, 2002. Includes appendices.

**57000250**

**Ustin, S. L. (University of California, Department of Land, Air and Water Resources, Davis, CA) and Xiao, Q. F.**

Mapping successional boreal forests in interior central Alaska: **International Journal of Remote Sensing**, 22(9), p. 1779-1797, illus. incl. 2 tables, sketch maps, 51 ref., June 15, 2001.

**57000251**

**Xiao, Xiangming (University of New Hampshire, Institute for the Study of Earth, Oceans and Space, Durham, NH); Shen Zhenxi and Qin Xiaoguan.**

Assessing the potential of VEGETATION sensor data for mapping snow and ice cover; a Normalized Difference Snow and Ice index: **International Journal of Remote Sensing**, 22(13), p. 2479-2487, illus. incl. 2 tables, geol. sketch maps, 14 ref., September 10, 2001.

**57000252**

**Butler, David R. (Southwest Texas State University, Department of Geography, San Marcos, TX) and DeChano, Lisa M.**

Environmental change in Glacier National Park, Montana; an assessment through repeat photography from fire lookouts: *in* Environmental change and physical geography (Butler, David R., editor), **Physical Geography**, 22(4), p. 291-304, illus. incl. 1 table, geol. sketch map, 24 ref., August 2001.

**57000253**

**Choi, Jong In (Samchok National University, Department of Civil Engineering, Kangwon, South Korea).**

Limit velocity for lateral stable bed in natural curved channels: **Han'gug Sujaweon Haghoe Nonmunjib = Journal of Korea Water Resources Association**, 35(2), p. 195-201, (Korean) (English sum.), illus. incl. 1 table, 9 ref., April 2002.

**57000254**

**Chantigny, Martin H. (Agriculture and Agri-Food Canada, Soils and Crops Research and Development Centre, Sainte-Foy, PQ, Canada); Angers, Denis A. and Rochette, Philippe.**

Fate of carbon and nitrogen from animal manure and crop residues in wet and cold soils: **Soil Biology & Biochemistry**, 34(4), p. 509-517, illus. incl. 5 tables, 33 ref., April 2002.

57000255

**Arkhangel'skii, I. V. (Sankt-Peterburgskii Nauchno-Issledavatel'skii i Izyskatel'skii Institut Energoizyskaniia, Saint Petersburg, Russian Federation).**

Geologicheskie aspekty stroitel'stva khranilishch radioaktivnykh otkhodov na severo-zapade Rossii [Geological aspects of radioactive waste disposal in northwestern Russia]: **Geokologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiya**, 2001(5), p. 437-444, table, 15 ref., October 2001.

57000256

**Fotiev, S. M. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Kriosfery Zemli, Russian Federation).**

Kriometamorficheskii tsikl formirovaniia podzemnykh vod v nedrakh geologicheskikh struktur Rossii v chetvertichnom periode [Cryometamorphic cycle in ground water formation within geological structures in Russia during Quaternary]: **Geokologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiya**, 2002(1), p. 5-17, illus. incl. 5 tables, sketch map, 17 ref., February 2002.

57000257

**Kondrat'ev, V. G. (Chitinskii Gosudarstvennyi Tekhnicheskii Universitet, Chita, Russian Federation).**

Nalednaia opasnost' i vozmozhnye puti snizheniia ee na territorii Chitinskoi oblasti [Ground icing risk assessment in the Chita region]: **Geokologiya: Inzhenernaia Geologiya. Gidrogeologiya. Geokriologiya**, 2002(1), p. 65-77, illus. incl. 2 tables, 34 ref., February 2002.

57000258

**Lamb, Peter J. (University of Oklahoma, Cooperative Institute for Mesoscale Meteorological Studies, Norman, OK).**

The climate revolution; a perspective; an editorial essay: **Climatic Change**, 54(1-2), p. 1-9, 19 ref., July 2002.

57000259

**Watson, Andrew J. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom).**

Iron limitation in the oceans: *in* The biogeochemistry of iron in seawater (Turner, David R., editor; *et al.*), **IUPAC Series on Analytical and Physical Chemistry of Environmental Systems.**, 7, p. 9-39, illus. incl. 2 tables, 101 ref., 2001.

57000260

**Velichko, Andrei (Russian Academy of Sciences, Institute of Geography, Russian Federation).**

Climatic warming; glimpse into the future: **Science in Russia**, 2002(3), p. 43-52, illus., June 2002.

57000261

**Anderson, E. (Middlesex University, School of Social Science, Enfield, United Kingdom); Harrison, S. and Passmore, D. G.**

Geomorphological mapping and morphostratigraphic relationships; reconstructing the glacial history of the Macgillycuddy's Reeks, south west Ireland: **The Bulletin of the Society of University Cartographers**, 30, Part 2, p. 9-20, illus. incl. geol. sketch maps, 18 ref., 1996.

57000262

**Wheelhouse, P. J. (British Drilling and Freezing Company, United Kingdom); Belton, P. J. and Auld, F. A.**

Ground freezing for the Dorney Bridge box jacking [abstr.]: *in* Abstracts of presentations to be delivered at the Underground construction 2001 symposium and exhibition (Hindle, Dave, chairperson), **International Mining & Minerals**, 44, p. 5, August 2001. *Meeting*: Sept. 18-20, 2001, London, United Kingdom.

57000263

**Kurashige, Yoshimasa (Hokkaido University, Graduate School of Environmental Earth Science, Sapporo, Japan).**

Sources of river-suspended sediment after selective logging in a headwater basin: *in* Applied geomorphology; theory and practice (Allison, Robert J., editor), **Geomorphology Publication - International Association of Geomorphologists**, 10, p. 183-195, illus. incl. 2 tables, geol. sketch maps, 21 ref., 2002.

57000264

**Berman, Daniil (Russian Academy of Sciences, Far-Eastern Branch, Institute of Biological Problems of the North, Biocenology Laboratory, Magadan, Russian Federation).**

Tundra plains of Pleistocene Beringia and present-day insects: **Science in Russia**, 2002(2), p. 52-58, illus., April 2002.

57000265

**Kim, Jinwon (Lawrence Livermore National Laboratory, Livermore, CA).**

Precipitation and snow budget over the Southwestern United States during the 1994-1995 winter season in a mesoscale model simulation: **Water Resources Research**, 33(12), p. 2831-2839, illus. incl. 1 table, geol. sketch maps, 34 ref., December 1997.

57000266

**Goffart, Anne (University of Liège, Ecohydrodynamics, Liege, Belgium) and Hecq, Jean Henri, editors.**

Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics: **Journal of Marine Systems**, 27(1-3), 277 p., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Individual papers are cited separately.

57000267

**Bergamasco, A. (National Research Council, Institute for the Study of the Dynamics of the Large Masses, Venice, Italy) and Carniel, S.**

Sensitivity analysis of a robust diagnostic general circulation model of the Ross Sea: *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, Anne, editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 3-36, illus. incl. sects., 1 table, sketch map, 9 ref., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Accessed on August 2, 2002.

**57000269**

**Harms, I. H. (Universität Hamburg, Institut für Meereskunde, Hamburg, Federal Republic of Germany); Karcher, M. J. and Dethleff, D.**

Modeling Siberian river runoff; implications for contaminant transport in the Arctic Ocean: *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, Anne, editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 95-115, illus. incl. sketch maps, 64 ref., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Accessed on August 2, 2002.

**57000270**

**Semouski, Sergei V. (Russian Academy of Sciences, Siberian Branch, Hydrology and Hydrophysic Laboratory, Irkutsk, Russian Federation); Mogilev, Nickolai Yu. and Sherstyankin, Pavel P.**

Lake Baikal ice; analysis of AVHRR imagery and simulation of under-ice phytoplankton bloom: *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, Anne, editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 117-130, illus. incl. sketch maps, 19 ref., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Accessed on August 9, 2002.

**57000271**

**Luchetta, Anna (Consiglio Nazionale delle Ricerche, Istituto Talassografico, Trieste, Italy); Lipizer, Marina and Socal, Giorgio.**

Temporal evolution of primary production in the central Barents Sea: *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, Anne, editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 177-193, illus. incl. 1 table, sects., 68 ref., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Accessed on August 9, 2002.

**57000272**

**Bussmann, Ingeborg (Alfred Wegener Institut für Polar-und Meeresforschung, Brtemerhaven, Federal Republic of Germany) and Kattner, Gerhard.**

Distribution of dissolved organic carbon in central Arctic Ocean; the influence of physical and biological properties: *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, Anne, editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 209-219, illus. incl. 3 tables, sketch map, 46 ref., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Accessed on Aug. 9, 2002.

**57000273**

**Langone, Leonardo (Consiglio Nazionale delle Ricerche, Istituto di Geologia Marina, Bologna, Italy); Frignani, Mauro; Ravaioli, Mariangela and Bianchi, Christina.**

Particle fluxes and biogeochemical processes in an area influenced by seasonal retreat of the ice margin (northwestern Ross Sea, Antarctica): *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, Anne, editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 221-234, illus. incl. 4 tables, sketch map, 38 ref., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Accessed on Aug. 9, 2002.

57000274

**Hense, Inga (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Bathmann, Ulrich V. and Timmermann, Ralph.**

Plankton dynamics in frontal systems of the Southern Ocean: *in* Hydrodynamical and ecosystem processes in ice-covered seas of the Southern and Northern hemispheres; selected papers from the 30th international Liege colloquium on Ocean hydrodynamics (Goffart, Anne, editor; *et al.*), **Journal of Marine Systems**, 27(1-3), p. 235-252, illus. incl. 2 tables, 69 ref., 2000. *Meeting*: May 4-8, 1998, Liege, Belgium. Accessed on Aug. 9, 2002.

57000275

**Roberts, Matthew J. (Staffordshire University, Division of Geography, Stoke-on-Trent, United Kingdom); Lawson, Daniel E.; Knudsen, Oskar; Russell, Andrew J. and Tweed, Fiona S.**

Glaciohydraulic supercooling at two Icelandic glaciers; implications for englacial sediment accretion and basal ice formation [abstr.]: *in* AGU 2000 fall meeting, **Eos, Transactions, American Geophysical Union**, 81(48, Suppl.), p. 428, November 28, 2000. *Meeting*: Dec. 15-19, 2000, San Francisco, CA. CRREL Report No: ERDC/CRREL MP-02-5925

57000276

**Baker, Gregory S. (University at Buffalo, Department of Geology, Buffalo, NY); Strasser, Jeffrey C.; Lawson, Daniel E.; Evenson, Edward B. and Bigl, Robert A.**

Near surface seismic reflection data from an active temperate glacier [abstr.]: *in* AGU 2000 fall meeting, **Eos, Transactions, American Geophysical Union**, 81(48, Suppl.), p. 428, November 28, 2000. *Meeting*: Dec. 15-19, 2000, San Francisco, CA. CRREL Report No: ERDC/CRREL MP-02-5924

57000280

**Zwally, H. Jay (NASA, Goddard Space Flight Center, Oceans and Ice Branch, Greenbelt, MD); Comiso, Josefino C.; Parkinson, Claire L.; Cavalieri, Donald J. and Gloersen, Per.**

Variability of Antarctic sea ice 1979-1998: **Journal of Geophysical Research, C, Oceans**, 107(5), 21 p., illus. incl. 12 tables, geol. sketch map, 69 ref., May 15, 2002.

57000281

**Seguin, Maurice K. (Univ. Laval, Cent. Etud. Nord., Laval, PQ, Canada); Allard, M. and Gahé, E.**

Surface and downhole geophysics for permafrost mapping in Ungava, Québec: *in* Permafrost mapping (Nelson, Frederick E., editor), **Physical Geography**, 10(3), p. 201-232, illus. incl. 1 table, sketch maps, 41 ref., September 1989.

57000282

**Agerskov, Claus (Royal Danish Navy, Denmark).**

Hydrographic surveying in Greenland waters: **Hydro International**, 6(5), p. 26-27, 29, illus., June 2002.

57000283

**Alexander, Conel M. O'D. (Carnegie Institution of Washington, Department of Terrestrial Magnetism, Washington, DC); Taylor, S.; Delaney, Jeremy S.; Ma, Peixue and Herzog, Gregory F.**

Mass-dependent fractionation of Mg, Si, and Fe isotopes in five stony cosmic spherules: **Geochimica et Cosmochimica Acta**, 66(1), p. 173-183, illus. incl. 5 tables, 56 ref., January 2002. CRREL Report No: ERDC/CRREL MP-02-5926

57000284

**Eriksson, Mikael (Royal Institute of Technology, Department of Biotechnology, Stockholm, Sweden); Ka, Jong-Ok and Mohn, William W.**

Effects of low temperature and freeze-thaw cycles on hydrocarbon biodegradation in Arctic Tundra soil: **Applied and Environmental Microbiology**, 67(11), p. 5107-5112, illus. incl. 2 tables, 24 ref., November 2001.

57000286

**Hariyama, Toshio (Hokkaido University, Division of Earth and Planetary Sciences, Sapporo, Japan) and Kawasato, Yoko.**

Snowflake formation and its regional characteristics: **Journal of the Faculty of Science, Hokkaido University, Series 7: Geophysics**, 11(5), p. 793-809, illus., 19 ref., March 2001.

57000287

**Kamyshev, M. A. (AO VNIIST, Moscow, Russian Federation); Kamyshev, A. M.; Shaybo, N. V. and Sokolovsky, G. N.**

Hydrodynamic drag of a pipeline in broken ice: *in* The proceedings of the Eleventh (2001) international offshore and polar engineering conference (Chung, Jin S., editor; *et al.*), **The Proceedings of the ... International Offshore and Polar Engineering Conference**, 11, Vol. 2, p. 63-67, illus., 3 ref., 2001. *Meeting*: June 17-22, 2001, Stavanger, Norway.

57000288

**Toropov, E. (SOE CDB "Rubin", St. Petersburg, Russian Federation); Gladkov, O.; Gintovt, A.; Mirzoev, D.; Bolshev, A. and Frolov, S.**

Effect of the selection of mooring system on characteristics of platforms in wave and ice conditions: *in* The proceedings of the Eleventh (2001) international offshore and polar engineering conference (Chung, Jin S., editor; *et al.*), **The Proceedings of the ... International Offshore and Polar Engineering Conference**, 11, Vol. 2, p. 295-298, illus., 7 ref., 2001. *Meeting*: June 17-22, 2001, Stavanger, Norway.

57000289

**Gjosteen, Janne K. O. (Norwegian University of Science and Technology, Trondheim, Norway).**

Oil spreading in cold water; a model suitable for broken ice: *in* The proceedings of the Eleventh (2001) international offshore and polar engineering conference (Chung, Jin S., editor; *et al.*), **The Proceedings of the ... International Offshore and Polar Engineering Conference**, 11, Vol. 2, p. 346-351, illus., 20 ref., 2001. *Meeting*: June 17-22, 2001, Stavanger, Norway.

57000290

**Li Zhen (Chinese Academy of Sciences, Institute of Remote Sensing Applications, Beijing, China); Guo Huadong and Shi Jiancheng.**

Retrieving dry snow density with SIR-C polarimetric SAR data: **Chinese Science Bulletin**, 46(14), p. 1211-1214, illus. incl. 2 tables, 10 ref., July 2001.

57000291

**Okuno, Jun'ichi (University of Tokyo, Earthquake Research Institute, Tokyo, Japan) and Nakada, Masao.**

Effects of water load on geophysical signals due to glacial rebound and implications for mantle viscosity: **Earth, Planets and Space**, 53(12), p. 1121-1135, illus., 54 ref., 2001.

**57000292**

**Li Hongsheng (Dalian University of Technology, Dalian, China); Zheng Jingming and Yue Qianjin.**

Reliability analysis of static ice force on the action between ice and structure: **Haiyang Xuebao = Acta Oceanologica Sinica**, 23(4), p. 106-112, (Chinese) (English sum.), 5 tables, 7 ref., 2001.

**57000293**

**Ednie, Heather.**

Strength in the north; building tomorrow at Raglan: **CIM Bulletin (1974)**, 93(1044), p. 14-26, illus., October 2000.

**57000294**

**Zheng Xiuqing (Taiyuan University of Technology, Department of Hydraulic Engineering, Taiyuan, China); Fan Guisheng and Xing Liming.**

Infiltration and redistribution of soil water during seasonal freezing and thawing periods: *in* 21st century; the new era for hydraulic research and its applications (International Association for Hydraulic Research), **Proceedings of ... Congress of International Association for Hydraulic Research**, 29, p. 518-524, 1 table, 8 ref., September 2001. *Meeting*: Sept. 16-21, 2001, Beijing, China.

**57000295**

**Williams, J. H. (U. S. Geological Survey, Troy, NY) and Paillet, F. L.**

Using flowmeter pulse tests to define hydraulic connections in the subsurface; a fractured shale example: **Journal of Hydrology**, 265(1-4), p. 100-117, illus. incl. sects., 5 tables, sketch map, 18 ref., August 30, 2002.

**57000296**

**Chao, Shenn-Yu (University of Maryland, Center for Environmental Science, Cambridge, MD) and Shaw, Ping-Tung.**

A numerical investigation of slanted convection and subsurface anticyclone generation in an Arctic baroclinic current system: **Journal of Geophysical Research, C, Oceans**, 107(3), 20 p., illus. incl. 1 table, block diag., 25 ref., March 15, 2002.

**57000297**

**Timmermann, R. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Beckmann, A. and Hellmer, H. H.**

Simulations of ice-ocean dynamics in the Weddell Sea; 1, Model configuration and validation: **Journal of Geophysical Research, C, Oceans**, 107(3), 11 p., illus. incl. geol. sketch maps, 47 ref., March 15, 2002.

**57000298**

**Timmermann, R. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Hellmer, H. H. and Beckmann, A.**

Simulations of ice-ocean dynamics in the Weddell Sea; 2, Interannual variability 1985-1993: **Journal of Geophysical Research, C, Oceans**, 107(3), 9 p., illus., 21 ref., March 15, 2002.

57000299

**Modie, Benson N. (Geological Survey Department, Lobatse, Botswana).**

A glacial interpretation of a Neoproterozoic ( $\approx 2.78$  Ga) volcanogenic sedimentary sequence in the Nnywane Formation, Sikwane, Southeast Botswana: **Journal of African Earth Sciences** (1994), 35(1), p. 163-175, illus. incl. geol. sketch map, 42 ref., July 2002.

57000300

**Rohling, E. J. (University of Southampton, School of Ocean and Earth Science, Southampton, United Kingdom); Cane, T. R.; Cooke, S.; Sprovieri, M.; Bouloubassi, I.; Emeis, K. C.; Schiel, R.; Kroon, D.; Jorissen, F. J.; Lorre, A. and Kemp, A. E. S.**

African monsoon variability during the previous interglacial maximum: **Earth and Planetary Science Letters**, 202(1), p. 61-75, illus. incl. sketch map, 73 ref., August 30, 2002. *Mediterranean Sea*

57000301

**Bae, Sung Ho (Korea Ocean Research and Development Institute, Polar Sciences Laboratory, Seoul, South Korea); Yoon, Ho Il; Park, Byung-Kwon and Kang, Cheon Yun.**

Stable isotope record and depositional environments in the Antarctic Polar Front of Drake Passage, western Antarctica: **Geosciences Journal (Seoul)**, 6(2), p. 117-123, illus. incl. 1 table, sketch map, 20 ref., June 2002.

57000302

**Choi, Charles.**

Journey through Milky Way keeps us cool: **New Scientist** (1971), 175(2352), p. 20, July 20, 2002.

57000303

**Deser, Clara (National Center for Atmospheric Research, Climate and Global Dynamics Division, Boulder, CO); Holland, Marika and Timlin, Michael.**

Decadal variations in Labrador Sea ice cover and North Atlantic sea surface temperatures: **Journal of Geophysical Research, C, Oceans**, 107(5), 13 p., illus. incl. geol. sketch maps, 39 ref., May 15, 2002.

57000304

**Zielinski, Uli (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Bianchi, Cristina; Gersonde, Rainer and Kunz-Pirrung, Martina.**

Last occurrence datums of the diatoms *Rouxia leventerae* and *Rouxia constricta*; indicators for marine isotope stages 6 and 8 in Southern Ocean sediments: **Marine Micropaleontology**, 46(1-2), p. 127-137, illus. incl. 1 plate, 1 table, sketch map, 33 ref., September 2002. Includes appendix.

57000305

**Esper, Oliver (Universität Bremen, Geowissenschaften, Bremen, Federal Republic of Germany) and Zonneveld, Karin A. F.**

Distribution of organic-walled dinoflagellate cysts in surface sediments of the Southern Ocean (eastern Atlantic sector) between the Subtropical Front and the Weddell Gyre: **Marine Micropaleontology**, 46(1-2), p. 177-208, illus. incl. 2 plates, 4 tables, sketch maps, 67 ref., September 2002. Includes appendices; Univ. Bremen, SFB 261, Contrib. No. 339.

**57000306**

**Yoon, Ho Il (Korea Ocean Research and Development Institute, Polar Sciences Laboratory, Seoul, South Korea); Park, Byong-Kwon; Kim, Yeadong and Kang, Cheon Yun.**

Glaciomarine sedimentation and its paleoclimatic implications on the Antarctic Peninsula shelf over the last 15 000 years: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 185(3-4), p. 235-254, illus. incl. 2 tables, sketch map, 65 ref., September 15, 2002. *Dinoflagellata, Foraminifera, diatoms*

**57000307**

**Davis, Loren G. (University of Alberta, Department of Anthropology, Edmonton, AB, Canada); Muehlenbachs, Karlis; Schweger, Charles E. and Rutter, Nathaniel W.**

Differential response of vegetation to postglacial climate in the lower Salmon River canyon, Idaho: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 185(3-4), p. 339-354, illus. incl. sects., 4 tables, sketch map, 58 ref., September 15, 2002.

**57000308**

**Pearce, Fred.**

Europe's wake-up call: **New Scientist (1971)**, 175(2357), p. 4-5, illus., August 24, 2002.

**57000309**

**Malinina, M. S. (Moscow State University, Faculty of Soil Science, Moscow, Russian Federation) and Karavanova, E. I.**

Hierarchical levels and indices of heterogeneity of chemical composition and properties of forest soils in northern taiga landscapes: **Eurasian Soil Science**, 35(8), p. 838-844, 2 tables, 22 ref., August 2002.

**57000310**

**Vedrova, E. F. (Russian Academy of Sciences, Sukachev Institute of Forestry, Akademgorodok, Russian Federation); Mukhortova, L. V.; Bezkorovainaya, I. N.; Klimchenko, A. V. and Klimentenok, L. A.**

Organic matter of soils under larch forests of the northern taiga in the Niznyaya Tunguska River basin: **Eurasian Soil Science**, 35(8), p. 857-864, illus. incl. 2 tables, 33 ref., August 2002.

**57000311**

**Sofronov, M. A. (Russian Academy of Sciences, Siberian Division, Sukachev Institute of Forestry, Akademgorodok, Russian Federation); Volokitina, A. V. and Karnaukhova, E. A.**

A method for measuring the thawing depth in permafrost-affected soils: **Eurasian Soil Science**, 35(8), p. 865-868, illus., 11 ref., August 2002.

**57000312**

**Kumar, Kireet (G. B. Pant Institute of Himalayan Environment and Development, Almora, India); Miral, M. S.; Joshi, V. and Panda, Y. S.**

Discharge and suspended sediment in the meltwater of Gangotri Glacier, Garhwal Himalaya, India: **Hydrological Sciences Journal = Journal des Sciences Hydrologiques**, 47(4), p. 611-619 (French sum.), illus. incl. 2 tables, sketch map, 21 ref., August 2002.

57000313

**Dionne, Jean-Claude (Université Laval, Département de Géographie et Centre d'Études Nordiques, Saint-Foy, Canada).**

Les erratiques de dolomie à Rivière-Blanche, côte sud de l'estuaire maritime du Saint-Laurent; un indicateur de transport glaciaire et glacial [Dolostone erratics at Riviere Blanche, southern coast of the Saint Lawrence Estuary; an indicator of glacial transport]: **Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre**, 39(8), p. 1239-1255 (English sum.), illus. incl. sect., 9 tables, sketch map, 96 ref., August 2002.

57000314

**Burn, Christopher R. (Carleton University, Department of Geography and Environmental Studies, Ottawa, ON, Canada).**

Tundra lakes and permafrost, Richards Island, western Arctic coast, Canada: **Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre**, 39(8), p. 1281-1298, illus. incl. 4 tables, sketch maps, 40 ref., August 2002.

57000315

**Kirby, Matthew E. (Syracuse University, Heroy Geology Laboratory, Syracuse, NY); Mullins, Henry T.; Patterson, William P. and Burnett, Adam W.**

Late glacial-Holocene atmospheric circulation and precipitation in the Northeast United States inferred from modern calibrated stable oxygen and carbon isotopes: **Geological Society of America Bulletin**, 114(10), p. 1326-1340, illus. incl. 2 tables, sketch maps, 75 ref., October 2002.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=0114&issue=010&page=01326>

57000316

**Combourieu Nebout, N. (Laboratoire des Sciences du Climat et l'Environnement, Gif sur Yvette, France); Turon, J. L.; Zahn, R.; Capotondi, L.; Londeix, L. and Pahnke, K.**

Enhanced aridity and atmospheric high-pressure stability over the western Mediterranean during the North Atlantic cold events of the past 50 k.y.: **Geology (Boulder)**, 30(10), p. 863-866, illus. incl. 1 table, sketch map, 38 ref., October 2002. Lab. Sci. Clim. et Environ., Contrib. No. 0780. *Foraminifera, pollen*

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=010&page=0863>

57000317

**Leather, Jonathan (Shell Exploration and Production, UENI, Aberdeen, United Kingdom); Allen, Philip A.; Brasier, Martin D. and Cozzi, Andrea.**

Neoproterozoic snowball Earth under scrutiny; evidence from the Fiq Glaciation of Oman: **Geology (Boulder)**, 30(10), p. 891-894, sects., geol. sketch map, 17 ref., October 2002.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=010&page=0891>

57000318

**Clark, Peter U. (Oregon State University, Department of Geosciences, Corvallis, OR); Seltzer, G. O.; Rodbell, D. T.; Baker, P. A.; Fritz, S. C.; Tapia, P. M.; Rowe, H. D. and Dunbar, R. B.**

Early deglaciation in the tropical Andes; discussion and reply: **Science**, 298(5591), 2 p., illus., 33 ref., October 4, 2002. For reference to original see Seltzer, G. O., et al., *Science*, Vol. 296, No. 1685, 2002.

<http://www.sciencemag.org/cgi/content/full/298/5591/7a>

**57000319**

**Anisimova, N. P. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Merzlotovedeniia, Iakutsk, Russian Federation); Fotiev, S. M. and Shepelev, V. V.**  
Otkrytie Iakutskogo artezianskogo basseina [Discovery of Iakutsk artesian basin]: **Kriosfera Zemli**, 2(4), p. 19-26 (English sum.), illus. incl. 2 tables, sketch map, 21 ref., December 1998.

**57000320**

**Kamenskii, R. M. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Merzlotovedeniia, Iakutsk, Russian Federation).**  
Stanovlenie i razvitie inzhenernogo merzlotovedeniia v Iakutii [Formation and evolution of permafrost engineering in Iakutia]: **Kriosfera Zemli**, 2(4), p. 27-31 (English sum.), 30 ref., December 1998.

**57000321**

**Mel'nikov, V. P. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Tyumenskii Nauchnyy Tsentr, Tyumen, Russian Federation); Fedorov, K. M.; Vol'f, A. A. and Spesivtsev, V. I.**  
Analiz vozmoznogo stseneriia obrazovaniia pridonnykh ledyanykh bugrov na shel'fe Pechorskogo morya [Analysis of available scenario of ice hills formation on bottom of Pechora Sea shelf]: **Kriosfera Zemli**, 2(4), p. 51-57 (English sum.), illus. incl. sects., 12 ref., December 1998.

**57000322**

**Mel'nikov, E. S. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Kriosfery Zemli, Tyumen, Russian Federation) and Kondrat'eva, K. A.**  
Tsirkumarkticheskaia karta mnogoletnemerzlykh porod i gruntovykh l'dov; masshtab 1:10,000,000 [Circum-Arctic map of permafrost and ground ice conditions, scale 1:10,000,000]: **Kriosfera Zemli**, 2(4), p. 58-61 (English sum.), sketch map, 6 ref., December 1998.

**57000323**

**Kotov, A. N. (Rossiiskaia Akademiia Nauk, Dal'nevostochnoe Otdelenie, Nauchno-Issledovatel'skii Tsentr "Chukotka", Anadyr, Russian Federation).**  
Kriolitogennye gryady v doline r. Tanyurer; Chukotka [Cryolithogenic ridges in Tanyurer River valley, Chukotka]: **Kriosfera Zemli**, 2(4), p. 62-71 (English sum.), illus. incl. block diag., 15 ref., December 1998.

**57000324**

**Roman, L. T. (Moskovskii Gosudarstvennyi Universitet, Moscow, Russian Federation); Poleshchuk, V. L.; Tseeva, A. N.; Ignatova, G. M. and Egorov, G. E.**  
Obespechenie nadezhnosti stroitel'stva na namyvnykh gruntakh v kriolitozone; na primere Iakutsk [Securing reliability of construction on silt soils in permafrost zone; Iakutsk]: **Kriosfera Zemli**, 2(4), p. 72-81 (English sum.), illus. incl. 1 table, sect., 8 ref., December 1998.

**57000325**

**Brown, Jerry.**  
Pamyati akademiia Pavla Ivanovicha Mel'nikova; v svyazu s 90-y godovshchinoi so dnya rozhdeniia [In memory of academician Pavel Ivanovich Melnikov; devoted to the 90th anniversary]: **Kriosfera Zemli**, 2(4), p. 6-7, December 1998.

**57000326**

**Mel'nikov, V. P. (Russian Academy of Sciences, Siberian Branch, Earth Cryosphere Institute, Tyumen, Russian Federation).**

Chelovek i kriosfera Zemli [Man and the Earth's cryosphere]: **Kriosfera Zemli**, 2(4), p. 14-18 (English sum.), 10 ref., December 1998.

**57000327**

**Pavlov, A. V. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Merzlotovedeniia im. P. I. Mel'nikova, Tyumen, Russian Federation).**

Pol' P.I. Mel'nikova v stanovlenii i razvitii geokriologicheskikh issledovaniia v ramkakh gosudarstvennykh nauchno-tekhnicheskikh programm Rossii; 1991-1995 gg. [Role of P. I. Melnikov in organization and development of permafrost research within the framework of Russian State Committee on Science and technology policy; 1991-1995]: **Kriosfera Zemli**, 2(4), p. 32-41 (English sum.), 25 ref., December 1998.

**57000328**

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

Problema emissii glubinnykh gazov v atmosferu [Problem of deep gas emission into atmosphere]: **Kriosfera Zemli**, 2(4), p. 42-50 (English sum.), 35 ref., December 1998.

**57000329**

**Antarctic Treaty Committee for Environmental Protection.**

Report of the Committee for Environmental Protection: Antarctic Treaty Committee for Environmental Protection, Tromso, Norway, 95 p., 1998. *Meeting*: 1st meeting, May 25-29, 1998, Tromso, Norway.

**57000330**

**Nicolich, Rinaldo, compiler.**

OGS Explora; un'avventura nel mare dei mari [OGS Explora; an adventure in the sea of seas]: Osservatorio Geofisico Sperimentale di Trieste, Trieste, Italy, unpaginated, (Italian, English), 1998. compact disc.

**57000331**

**McLaughlin, Fiona Ann.**

The Canada Basin, 1989-1995; upstream events and far-field effects of the Barents Sea branch: 89 p., Doctoral, 2000, University of Victoria, Victoria, BC, Canada. ISBN: 0-612-48224-3 *Available from*: Univ. Microfilms.

**57000333**

**Thompson, Chadwick A. (Augustana College, Geology Department, Rock Island, IL); Strasser, Jeffrey C.; Lawson, D. E.; Denner, J. and Gosse, J. C.**

Controls on the groundwater of the proximal outwash plain, Matanuska Glacier, Alaska [abstr.]: *in* Geological Society of America, North-Central Section, 33rd annual meeting, **Abstracts with Programs - Geological Society of America**, 31(5), p. 75, April 1999. *Meeting*: April 22-23, 1999, Champaign, IL. CRREL Report No: ERDC/CRREL MP-02-5927

57000334

**Meldrum, J. L. (Exponent Failure Analysis Associates, Menlo Park, CA); Jamieson, H. E. and Dyke, L. D.**

Oxidation of mine tailings from Rankin Inlet, Nunavut, at subzero temperatures: **Canadian Geotechnical Journal = Revue Canadienne de Géotechnique**, 38(5), p. 957-966 (French sum.), illus. incl. 3 tables, sketch map, 30 ref., October 2001.

57000335

**Konrad, Jean-Marie (Université Laval, Department of Civil Engineering, Sainte-Foy, PQ, Canada) and Cummings, Julie.**

Fracture toughness of frozen base and subbase soils in pavement: **Canadian Geotechnical Journal = Revue Canadienne de Géotechnique**, 38(5), p. 967-981 (French sum.), illus. incl. 4 tables, 19 ref., October 2001.

57000336

**Takeuchi, Yukari (Public Works Research Institute, Niigata Experimental Laboratory, Arai, Japan); Nohguchi, Yasuaki; Kawashima, Katsuhisa and Izumi, Kaoru.**

Snow hardness measurement using a digital load-gauge: **Seppyo = Journal of the Japanese Society of Snow and Ice**, 63(5), p. 441-449, (Japanese) (English sum.), illus. incl. 2 tables, 7 ref., September 2001.

57000337

**Gregg, Watson W. (NASA, Goddard Space Flight Center, Greenbelt, MD).**

Tracking the SeaWiFs record with a coupled physical/biogeochemical/radiative model of the global oceans: *in* The US JGOFS synthesis and modeling project; Phase 1 (Doney, Scott C., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(1-3), p. 81-105, illus. incl. 1 table, geol. sketch map, 39 ref., 2002.

57000338

**Moore, J. Keith (National Center for Atmospheric Research, Boulder, CO); Doney, Scott C.; Kleypas, Joanie A.; Glover, David M. and Fung, Inez Y.**

An intermediate complexity marine ecosystem model for the global domain: *in* The US JGOFS synthesis and modeling project; Phase 1 (Doney, Scott C., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(1-3), p. 403-462, illus. incl. geol. sketch map, 150 ref., 2002.

57000339

**Moore, J. Keith (National Center for Atmospheric Research, Boulder, CO); Doney, Scott C.; Glover, David M. and Fung, Inez Y.**

Iron cycling and nutrient-limitation patterns in surface waters of the world ocean: *in* The US JGOFS synthesis and modeling project; Phase 1 (Doney, Scott C., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(1-3), p. 463-507, illus. incl. 5 tables, geol. sketch maps, 135 ref., 2002.

57000340

**Colwell, Frederick S. (Idaho National Engineering and Environmental Laboratory, Biotechnology Department, Idaho Falls, ID).**

Constraints on the distribution of microorganisms in subsurface environments: *in* Subsurface microbiology and biogeochemistry (Fredrickson, James K., editor; *et al.*), *in the collection* Ecological and applied microbiology (Mitchell, Ralph, editor). Wiley-Liss, New York, NY, p. 71-95, illus. incl. strat. col., 106 ref., 2001.

**57000341**

**Fowler, A. C. (Mathematical Institute, Oxford, United Kingdom); Murray, Tavi and Ng, F. S. L.**

Thermally controlled glacier surging: **Journal of Glaciology**, 47(159), p. 527-538, illus. incl. geol. sketch map, sect., 57 ref., 2001.

**57000342**

**Nghiem, S. V. (California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA); Steffen, K.; Kwok, Ron and Tsai, W. Y.**

Detection of snowmelt regions on the Greenland ice sheet using diurnal backscatter change: **Journal of Glaciology**, 47(159), p. 539-547, illus. incl. geol. sketch maps, 27 ref., 2001.

**57000343**

**Kreutz, Karl J. (University of Maine, Department of Geological Sciences, Orono, ME); Aizen, Vladimir B.; Cecil, L. DeWayne and Wake, Cameron P.**

Oxygen isotopic and soluble ionic composition of a shallow firn core, Inilchek Glacier, central Tien Shan: **Journal of Glaciology**, 47(159), p. 548-554, illus. incl. 2 tables, geol. sketch map, 34 ref., 2001.

**57000344**

**Pinglot, Jean Francis (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint-Martin-d'Heres, France); Hagen, Jon Ove; Melvold, Kjetil; Eiken, Trond and Vincent, Christian.**

A mean net accumulation pattern derived from radioactive layers and radar soundings on Austfonna, Nordaustlandet, Svalbard: **Journal of Glaciology**, 47(159), p. 555-566, illus. incl. geol. sketch map, 4 tables, sect., 33 ref., 2001.

**57000345**

**O'Neel, S. (University of Alaska, Geophysical Institute, Fairbanks, AK); Echelmeyer, K. A. and Motyka, R. J.**

Short-term flow dynamics of a retreating tidewater glacier; LeConte Glacier, Alaska, U.S.A.: **Journal of Glaciology**, 47(159), p. 567-578, illus. incl. geol. sketch maps, 5 tables, sect., 26 ref., 2001.

**57000346**

**Rasmussen, L. A. (University of Washington, Geophysical Program, Seattle, WA) and Conway, H.**

Estimating South Cascade Glacier (Washington, U.S.A.) mass balance from a distance radio-sonde and comparison with Blue Glacier: **Journal of Glaciology**, 47(159), p. 579-588, illus. incl. 1 table, geol. sketch maps, 33 ref., 2001.

**57000347**

**Han Jiankang (Hunan Normal University, Research Institute of Environment and Resources, Changsha, China); Xie Zichu; Zhang Xinping; Dai Dongsheng; Mayewski, P. A. and Twickle, M. S.**

Methanesulphonate in the firn of King George Island, Antarctica: **Journal of Glaciology**, 47(159), p. 589-594, illus. incl. 1 table, geol. sketch map, 28 ref., 2001.

**57000348**

**Vieli, Andreas (Eidgenössische Technische Hochschule, Institute for Atmospheric and Climate Science, Zurich, Switzerland); Funk, Martin and Blatter, Heinz.**

Flow dynamics of tidewater glaciers; a numerical modelling approach: **Journal of Glaciology**, 47(159), p. 595-606, illus., 56 ref., 2001.

**57000349**

**Yi Chaolu (Chinese Academy of Sciences, Institute of Geodesy and Geophysics, Wuhan, China) and Cui Zhijiu.**

Subglacial deformation; evidence from microfabric studies of particles and voids in till from the upper Urumqi River valley, Tien Shan, China: **Journal of Glaciology**, 47(159), p. 607-612, illus. incl. geol. sketch map, block diag., 36 ref., 2001.

**57000350**

**Haas, Christian (Alfred Wegener Institute for Polar and Marine Research, Bremenhaven, Federal Republic of Germany); Thomas, David N. and Bareiss, Jorg.**

Surface properties and processes of perennial Antarctic sea ice in summer: **Journal of Glaciology**, 47(159), p. 613-626, illus. incl. 3 tables, geol. sketch map, 57 ref., 2001.

**57000351**

**Benn, D. I. (University of Saint Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom); Wiseman, S. and Hands, K. A.**

Growth and drainage of supraglacial lakes on the debris-mantled Ngozumpa Glacier, Khumbu Himal, Nepal: **Journal of Glaciology**, 47(159), p. 626-638, illus. incl. 2 tables, geol. sketch maps, 30 ref., 2001.

**57000352**

**Waddington, Edwin D. (University of Washington, Department of Earth and Space Sciences, Seattle, WA); Bolzan, John F. and Alley, Richard B.**

Potential for stratigraphic folding near ice-sheet centers: **Journal of Glaciology**, 47(159), p. 639-648, illus., 46 ref., 2001.

**57000353**

**Elsberg, D. H. (University of Alaska, Geophysical Institute, Fairbanks, AK); Harrison, W. D.; Echelmeyer, K. A. and Krimmel, R. M.**

Quantifying the effects of climate and surface change on glacier mass balance: **Journal of Glaciology**, 47(159), p. 649-658, illus. incl. 3 tables, 13 ref., 2001.

**57000354**

**Harrison, W. D. (University of Alaska, Geophysical Institute, Fairbanks, AK); Elsberg, D. H.; Echelmeyer, K. A. and Krimmel, R. M.**

On the characterization of glacier response of a single time-scale: **Journal of Glaciology**, 47(159), p. 659-664, illus., 15 ref., 2001.

**57000355**

**Arck, Martin (University of Basel, MCR Laboratory, Basel, Switzerland) and Scherer, Dieter.**

A physically based method for correcting temperature data measured by naturally ventilated sensors over snow: **Journal of Glaciology**, 47(159), p. 665-670, illus. incl. 1 table, geol. sketch map, 11 ref., 2001.

**57000356**

**Spencer, M. K. (Pennsylvania State University, Department of Geosciences, University Park, PA); Alley, Richard B. and Creyts, T. T.**

Preliminary firn-densification model with 38-site dataset: **Journal of Glaciology**, 47(159), p. 671-676, illus. incl. 2 tables, 33 ref., 2001.

**57000357**

**Jiskoot, Hester (University of Leeds, School of Geography, Leeds, United Kingdom); Pedersen, Asger Ken and Murray, Tavi.**

Multi-model photogrammetric analysis of the 1990s surge of Sortebrae, East Greenland: **Journal of Glaciology**, 47(159), p. 677-687, illus. incl. geol. sketch map, 2 tables, sect., 60 ref., 2001.

**57000358**

**Hutri, Kaisa-Leena (Radiation and Nuclear Safety Authority (STUK), Helsinki, Finland) and Antikainen, Juha.**

Modelling of the bedrock response to glacial loading at the Olkiluoto site, Finland: **Engineering Geology**, 67(1-2), p. 39-49, illus. incl. 2 tables, geol. sketch map, 31 ref., December 2002.

**57000359**

**Kipfer, Rolf (EAWAG, Swiss Federal Institute of Environmental Science and Technology, Dübendorf, Switzerland); Aeschbach-Hertig, Werner; Peeters, Frank and Stute, Marvin.**

Noble gases in lakes and ground waters: *in* Noble gases in geochemistry and cosmochemistry (Porcelli, Donald, editor; *et al.*), **Reviews in Mineralogy and Geochemistry**, 47, p. 615-700, illus. incl. 5 tables, 245 ref., 2002.

**57000360**

**Niedermann, Samuel (GeoForschungsZentrum Potsdam, Potsdam, Federal Republic of Germany).**

Cosmic-ray-produced noble gases in terrestrial rocks; dating tools for surface processes: *in* Noble gases in geochemistry and cosmochemistry (Porcelli, Donald, editor; *et al.*), **Reviews in Mineralogy and Geochemistry**, 47, p. 731-784, illus. incl. 8 tables, 178 ref., 2002.

**57000361**

**Zhang, Xiao Y. (Chinese Academy of Sciences, State Key Laboratory of Loess and Quaternary Geology, Xian, China); Lu, Hua Y.; Arimoto, Richard and Gong, S. L.**

Atmospheric dust loadings and their relationship to rapid oscillations of the Asian winter monsoon climate; two 250-kyr loess records: **Earth and Planetary Science Letters**, 202(3-4), p. 637-643, sects., 1 table, sketch map, 29 ref., September 30, 2002.

**57000362**

**Spence, George D. (University of Victoria, School of Earth and Ocean Sciences, Victoria, BC, Canada) and Hyndman, Roy D.**

The challenge of deep ocean drilling for natural gas hydrate: *in* Ocean drilling; successes, opportunities and challenges (Srivastava, Shiri, convener; *et al.*), **Geoscience Canada**, 28(4), p. 179-186 (French sum.), illus. incl. sects., sketch map, 34 ref., December 2001. *Meeting:* GeoCanada 2000 millennium conference; ODP's 100 greatest hits, June 1, 2000, Calgary, AB, Canada.

**57000363**

**Januszczak, Nicole (University of Toronto at Scarborough, Environmental Earth Sciences, Scarborough, ON, Canada) and Eyles, Nicholas.**

ODP drilling leads to a new model of shelf and slope sedimentation along the Antarctic continental margin: *in* Ocean drilling; successes, opportunities and challenges (Srivastava, Shiri, convener; *et al.*), **Geoscience Canada**, 28(4), p. 203-210 (French sum.), illus. incl. sects., strat. cols., sketch maps, 43 ref., December 2001. *Meeting*: GeoCanada 2000 millennium conference; ODP's 100 greatest hits, June 1, 2000, Calgary, AB, Canada.

**57000364**

**Shimamura, Hideki, chairperson (Japan National Committee for Polar Research, Tokyo, Japan).**

Japanese Arctic research directory in 2001: 152 p., (Japanese, English), 2001. *Available from*: AERC Secretariat, National Institute of Polar Research, Tokyo, Japan. [directory@arctic.nipr.ac.jp](mailto:directory@arctic.nipr.ac.jp)

**57000365**

**French, Helen K. (Agricultural University of Norway, Department of Soil and Water Sciences, As, Norway); Hardbatt, Carol; Binley, Andrew; Winship, Peter and Jakobsen, Leif.** Monitoring snowmelt induced unsaturated flow and transport using electrical resistivity tomography: *in* Non-invasive methods in hydrology (Vereecken, Harry, editor; *et al.*), **Journal of Hydrology**, 267(3-4), p. 273-284, illus. incl. sketch map, 14 ref., October 15, 2002.

**57000367**

**Painter, Thomas H. (University of California at Santa Barbara, Institute of Computational Earth System Science, Santa Barbara, CA); Duval, Brian; Thomas, William H.; Mendez, Maria; Heintzelman, Sara and Dozier, Jeff.**

Detection and quantification of snow algae with an airborne imaging spectrometer: **Applied and Environmental Microbiology**, 67(11), p. 5267-5272, illus., 22 ref., November 2001.

**57000368**

**Christiansen, Hanne Hvidtfeldt (University of Copenhagen, Institute of Geography, Copenhagen, Denmark).**

Observations of open system pingos in a marsh environment, Mellemfjord, Disko, central West Greenland: **Geografisk Tidsskrift**, 95, p. 42-48, illus. incl. sketch map, 15 ref., 1995.

**57000369**

**Humlum, O. (University of Copenhagen, Institute of Geography, Copenhagen, Denmark); Christiansen, Hanne Hvidtfeldt; Hansen, B. V.; Hasholt, Bent; Jakobsen, B. H.; Nielsen, Niels and Rasch, Morten.**

Holocene landscape evolution in the Mellemfjord area, Disko Island, central West Greenland; area presentation and preliminary results: **Geografisk Tidsskrift**, 95, p. 28-41, illus. incl. sect., block diag., 2 tables, geol. sketch maps, 21 ref., 1995.

**57000370**

**Klysz, Piotr.**

Problemy powstawania walow lodowo-morenowych na przykladzie lodowcow w rejonie fiordu Hornsund (Spitsbergen) [The formation of ice moraine ramparts, exemplified by some glaciers in the Hornsund Fjord region, Spitsbergen]: **Przegląd Geograficzny**, 67(1-2), p. 121-132 (English sum.), illus., 24 ref., 1995.

57000371

**Sah, M. P. (Wadia Inst. Himalayan Geol., Dehra Dun, India).**

Lichenometry; a potential technique for relative dating of Holocene glacier fluctuations: **Journal of Himalayan Geology**, 6(1), p. 61-67, 75 ref., 1995.

57000372

**Birkenmajer, Krzysztof (Instytut Nauk Geologicznych, Cracow, Poland) and Marsz, Andrzej.**

Submarine glacial relief at Ezcurra Inlet, Admiralty Bay, King George Island (South Shetland Islands), West Antarctica: **Bulletin of the Polish Academy of Sciences, Earth Sciences**, 47(4), p. 193-205, illus., 23 ref., 1999.

57000373

**Paterson, L. (University of Guelph, Department of Land Resource Science, Guelph, ON, Canada) and McBride, R. A.**

An investigation of soil heating by natural gas pipelines in southern Ontario [abstr.]: *in* Abstracts of technical papers of the 1999 annual meeting of the Canadian Society of Soil Science, **Canadian Journal of Soil Science**, 79(4), p. 647, November 1999. *Meeting*: 1999, Charlottesville, PI, Canada.

57000374

**Lee, Kenneth (Maurice Lamontagne Institute, Habitat Management and Environmental Sciences, Mont-Joli, PQ, Canada).**

Bioremediation of oil impacted shorelines: *in* Aquatic restoration in Canada (Murphy, Tom P., editor; *et al.*), *in the collection* Ecovision world monograph series (Munawar, M., editor; Munawar, I. F., editor). Backhuys Publishers, Leiden, Netherlands, p. 69-85, 91 ref., 1999.

57000375

**Dorling Kindersley.**

The visual dictionary of the Earth: *in the collection* Eyewitness visual dictionaries (Stalker, Geoffrey, editor). Dorling Kindersley, New York, NY, 64 p., illus. incl. sect., 1993. ISBN: 1-56458-335-X. Includes glossary.  
publisher <http://www.dk.com>

57000376

**Kulkarni, Anil V. (Space Applications Center, Marine Water Resources Division, Ahmedabad, India).**

Moraine-dammed glacial lake studies using remote sensing technique: *in* Group discussion on Geological hazards in the Himalayan region; assessment and mitigation, **Journal of Himalayan Geology**, 17(1-2), p. 161-164, 2 tables, geol. sketch maps, 7 ref., 1996. *Meeting*: March 10, 1994, India.

57000417

**Wagner, Thomas (University of Heidelberg, Institut für Umwelphysik, Heidelberg, Federal Republic of Germany); Otten, Cornelius; Pfeilsticker, Klaus; Pundt, Irene and Platt, Ulrich.**

DOAS moonlight observation of atmospheric NO<sub>3</sub> in the arctic winter: **Geophysical Research Letters**, 27(21), p. 3441-3444, illus., 30 ref., November 1, 2000.

**57000418**

**Legresy, Benoit (Université Paul Sabatier, LEGOS, Toulouse, France); Rignot, Eric and Tabacco, Ignazio E.**

Constraining ice dynamics at Dome C, Antarctica, using remotely sensed measurements: **Geophysical Research Letters**, 27(21), p. 3493-3496, illus., 14 ref., November 1, 2000.

**57000419**

**Waterhouse, J. S. (Anglia Polytechnic University, Environmental Sciences Research Centre, Cambridge, United Kingdom); Barker, A. C.; Carter, A. H. C.; Agafonov, L. I. and Loader, N. J.**

Stable carbon isotopes in Scots pine tree rings preserve a record of flow of the River Ob: **Geophysical Research Letters**, 27(21), p. 3529-3532, illus. incl. 1 table, geol. sketch map, 26 ref., November 1, 2000.

**57000420**

**Rankin, A. M. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom); Auld, V. and Wolff, E. W.**

Frost flowers as a source of fractionated sea salt aerosol in the polar regions: **Geophysical Research Letters**, 27(21), p. 3469-3472, illus. incl. 2 tables, 20 ref., November 1, 2000.

**57000421**

**Mayer, Bernhard (National Center for Atmospheric Research, Boulder, CO) and Degünther, Markus.**

Measurements of erythemal irradiance near Davis Station, Antarctica; effect of inhomogeneous surface albedo; discussion: **Geophysical Research Letters**, 27(21), p. 3489-3490, illus. incl. 1 table, 10 ref., November 1, 2000. For reference to original see Smolskaia, I., Nunez, M. and Michael, K.; *Geophys. Res. Lett.*, Vol. 26, p. 13481-1384, 1999.

**57000422**

**Li, Z. X. (CNRS, Laboratoire de Météorologie Dynamique, Paris, France).**

Influence of tropical Pacific El Niño on the SST of the Southern Ocean through atmospheric bridge: **Geophysical Research Letters**, 27(21), p. 3505-3508, illus. incl. geol. sketch maps, 16 ref., November 1, 2000.

**57000423**

**Yang Meixue (Chinese Academy of Sciences, Environmental and Engineering Institute Cold and Arid Regions, Lanzhou, China); Yao Tandong; He Yuanqing and Thompson, L. G.**

ENSO events recorded in the Guliya ice core: **Climatic Change**, 47(4), p. 401-409, illus. incl. 1 table, sketch maps, 22 ref., December 2000.

**57000424**

**Hambrey, Michael J. (University of Wales, Centre for Glaciology, Aberystwyth, United Kingdom); Bennett, Matthew R.; Glasser, Neil F. and Huddart, David.**

High-Arctic glaciers as analogues for glacial landform development in Britain: **Geology Today**, 17(1), p. 24-28, illus., 3 ref., February 2001.

**57000425**

**Cox, Brady R. (Utah State University, Department of Civil Engineering, Logan, UT); Bay, James A. and Thorpe, J. Derle.**

The use of free-free resonance testing to evaluate the effects of freezing-and-thawing cycles on concrete samples: *in* Proceedings of the 36th symposium of Engineering geology and geotechnical engineering; Soil and water issues for the arid West (Luke, Barbara A., editor; *et al.*), **Proceedings of the Symposium on Engineering Geology and Geotechnical Engineering**, 36, p. 109-118, illus. incl. 2 tables, 3 ref., 2001. *Meeting*: March 28-30, 2001, Las Vegas, NV.

**57000426**

**Henwood, Justin (Utah State University, Department of Civil and Environmental Engineering, Logan, UT).**

Shear strength of frozen Lake Bonneville clays: *in* Proceedings of the 36th symposium of Engineering geology and geotechnical engineering; Soil and water issues for the arid West (Luke, Barbara A., editor; *et al.*), **Proceedings of the Symposium on Engineering Geology and Geotechnical Engineering**, 36, p. 305-313, illus. incl. 1 table, 4 ref., 2001. *Meeting*: March 28-30, 2001, Las Vegas, NV.

**57000427**

**Petit-Maire, Nicole (MMSH-LAPMO, Aix-en-Provence, France); Bouysse, Philippe; de Beaulieu, Jacques-Louis; Boulton, Geoffrey; Zhuo Zhengtang; Iriondo, Martin; Kershaw, Peter; Lisitsyna, Olga; Partridge, Tim; Pflaumann, Uwe; Sarnthein, Michael; Schultz, Hartmut; Soons, Jane; van Vliet-Lanoe, Brigitte; Yuan Baoyin and van der Zijp, Martin.**

Geological records of the recent past, a key to the near future world environments: **Episodes**, 23(4), p. 230-246, illus. incl. geol. sketch map, 124 ref., December 2000.

**57000428**

**Schaetzl, Randall J. (Michigan State University, Department of Geography, East Lansing, MI); Krist, Frank J., Jr.; Rinfleisch, Paul R.; Liebens, Johan and Williams, Thomas E.**

Postglacial landscape evolution of northeastern lower Michigan, interpreted from soils and sediments: **Annals of the Association of American Geographers**, 90(3), p. 443-466, illus. incl. 4 tables, geol. sketch maps, 73 ref., September 2000.

**57000429**

**Cheng Guodong (Chinese Academy of Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Lanzhou, China) and Zhao Lin.**

The problems associated with permafrost in the development of the Qinghai-Xizang Plateau: **Disiji Yanjiu = Quaternary Sciences**, 20(6), p. 521-531, (Chinese) (English sum.), illus. incl. 5 tables, 32 ref., November 2000.

**57000430**

**Hall, Stephen A. (University of Texas at Austin, Department of Geography, Austin, TX).**

Geochronology and paleoenvironments of the glacial-age Tahoka Formation, Texas and New Mexico High Plains: **New Mexico Geology**, 23(3), p. 71-77, illus. incl. 1 table, geol. sketch maps, 38 ref., August 2001.

**57000431**

**Schäfer, Priska (University of Kiel, Institute for Geosciences, Kiel, Federal Republic of Germany); Ritzrau, Will; Schlüter, Michael and Thiede, Jörn, editors.**

The northern North Atlantic; a changing environment: Springer, Berlin, Federal Republic of Germany, 500 p., illus. incl. tables, geol. sketch maps, 2001. ISBN: 3-540-67231-1. Individual papers are cited separately.

**57000432**

**Schäfer, Priska (Kiel University, Institute for Geosciences, Kiel, Federal Republic of Germany); Gerlach, Sebastian; Graf, Gerd; Suess, Erwin and Zeitzschel, Bernt.**

The environment of the northern North-Atlantic Ocean; modern depositional processes and their historical documentation: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 1-17, illus. incl. geol. sketch maps, sect., 102 ref., 2001.

**57000433**

**Ramseier, René O. (Microwave Group-Ottawa River, Dunrobin, ON, Canada); Garrity, Caren and Martin, Thomas.**

An overview of sea-ice conditions in the Greenland sea and the relationship of oceanic sedimentation to the ice regime: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 19-38, illus. incl. 1 table, geol. sketch maps, 39 ref., 2001.

**57000434**

**Noji, Thomas T. (Institute of Marine Research, Bergen, Norway); Miller, Lisa A.; Skjelvan, Ingunn; Falck, Eva; Borsheim, K. Yngve; Rey, Francisco; Urhan-Rich, Juanita and Johannessen, Truls.**

Constraints on carbon drawdown and export in the Greenland Sea: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 39-52, illus. incl. 7 tables, geol. sketch map, 61 ref., 2001.

**57000435**

**Peinert, Rolf (Kiel University, Institute for Marine Research, Kiel, Federal Republic of Germany); Antia, Avan; Bauerfeind, Eduard; von Bodungen, Bodo; Haupt, Olaf; Krumbholz, Marita; Peeken, Ilka; Ramseier, René O.; Voss, Maren and Zeitzschel, Bernt.**

Particle flux variability in the polar and Atlantic biogeochemical provinces of the Nordic seas: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 53-68, illus. incl. 4 tables, sketch map, 51 ref., 2001.

**57000436**

**Peinert, Rolf (Kiel University, Institute for Marine Research, Kiel, Federal Republic of Germany); Bauerfeind, Eduard; Gradinger, Rolf; Haupt, Olaf; Krumbholz, Marita; Peeken, Ilka; Werner, Iris and Zeitzschel, Bernt.**

Biogenic particle sources and vertical flux patterns in the seasonally ice-covered Greenland Sea: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 69-79, illus. incl. geol. sketch map, 50 ref., 2001.

57000437

**Fohrmann, Hermann (Kiel University, SFB 313, Kiel, Federal Republic of Germany); Backhaus, Jan O.; Blaume, Frank; Haupt, Bernd J.; Kämpf, Jochen; Michels, Klaus; Mienert, Jürgen; Posewang, Jörg; Ritzrau, Will; Rumohr, Jan; Weber, Mathias and Woodgate, Rebecca.**

Modern ocean current-controlled sediment transport in the Greenland-Iceland-Norwegian (GIN) seas: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 135-154, illus. incl. geol. sketch maps, block diag., sects., 66 ref., 2001.

57000438

**Schröder-Ritzrau, Andrea (Kiel University, GEOMAR, Kiel, Federal Republic of Germany); Andruleit, Harald; Jensen, Stefan; Samtleben, Christian; Schäfer, Priska; Matthiessen, Jens; Hass, H. Christian; Kohly, Alexander and Thiede, Jörn.**

Distribution, export and alteration of fossilizable plankton in the Nordic seas: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 81-104, illus. incl. 1 table, geol. sketch map, 135 ref., 2001.

57000439

**Matthiessen, Jens (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Baumann, Karl-Heinz; Schröder-Ritzrau, Andrea; Hass, H. Christian; Andruleit, Harald; Baumann, Astrid; Jensen, Stefan; Kohly, Alexander; Pflaumann, Uwe; Samtleben, Christian; Schäfer, Priska and Thiede, Jörn.**

Distribution of calcareous, siliceous and organic-walled planktic microfossils in surface sediments of the Nordic seas and their relation to surface-water masses: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 105-127, illus. incl. 1 table, geol. sketch maps, 101 ref., 2001.

57000440

**Thomsen, Laurenz (Kiel University, GEOMAR, Kiel, Federal Republic of Germany) and van Weering, Tjeerd.**

Particle transport, distribution patterns of sedimentological properties and biological communities: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 129-133, 52 ref., 2001.

57000441

**Rumohr, Jan (Kiel University, GEOMAR, Kiel, Federal Republic of Germany); Blaume, Frank; Erlenkeuser, Helmut; Fohrmann, Hermann; Hollender, Franz-Josef; Mienert, Jürgen and Schäfer-Neth, Christian.**

Records and processes of near-bottom sediment transport along the Norwegian-Greenland Sea margins during Holocene and late Weichselian (Termination I) times: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 155-178, illus. incl. geol. sketch map, sects., 89 ref., 2001.

57000442

**Piepenburg, Dieter (Kiel University, Institute for Polar Ecology, Kiel, Federal Republic of Germany); Brandt, Angelika; von Juterzenka, Karen; Mayer, Michaela; Schnack, Klaus; Seiler, Dan; Witte, Ursula and Spindler, Michael.**

Patterns and determinants of the distribution and structure of benthic faunal assemblages in the northern North Atlantic: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 179-198, illus. incl. 1 table, geol. sketch map, 153 ref., 2001.

**57000443**

**Ritzrau, Will (SAP, Walldorf, Federal Republic of Germany); Graf, Gerhard and Schlüter, Michael.**

Exchange processes across the sediment water interface: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 199-206, 64 ref., 2001.

**57000444**

**Ritzrau, Will (SAP, Walldorf, Federal Republic of Germany); Graf, Gerhard; Scheltz, Annette and Queisser, Wolfgang.**

Benthic-pelagic coupling and carbon dynamics in the northern North Atlantic: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 207-224, illus. incl. 3 tables, geol. sketch map, 76 ref., 2001.

**57000445**

**Schlüter, Michael (Kiel University, GEOMAR, Kiel, Federal Republic of Germany); Sauter, Eberhard J.; Schulz-Bull, Detlef; Balzer, Wolfgang and Suess, Erwin.**

Fluxes of organic carbon and biogenic silica reaching the seafloor; a comparison of high northern and southern latitudes of the Atlantic Ocean: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 225-240, illus. incl. geol. sketch map, block diag., 69 ref., 2001.

**57000446**

**Köster, Marion (Ernst-Moritz-Arndt-Universität Greifswald, Institut für Ökologie, Kloster, Federal Republic of Germany) and Meyer-Reil, Lutz-Arend.**

Concentration and microbial decomposition of organic material in sediments of the Norwegian-Greenland Sea: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 241-257, illus. incl. 1 table, geol. sketch maps, 51 ref., 2001.

**57000447**

**Mienert, Jürgen (University of Tromsø, Institute of Geology, Tromsø, Norway); Posewang, Jörg and Lukas, Dirk.**

Changes in the hydrate stability zone on the Norwegian margin and their consequence for methane and carbon releases into the oceanosphere: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 259-280, illus. incl. geol. sketch maps, 3 tables, sects., 70 ref., 2001.

**57000449**

**Hald, Morten (University of Geology, Institute of Geology, Tromsø, Norway).**

Climate change and paleoceanography: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 281-290, illus. incl. geol. sketch map, 70 ref., 2001.

**57000450**

**Hass, H. Christian (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Andruseit, Harald; Baumann, Astrid; Baumann, Karl-Heinz; Kohly, Alexander; Jensen, Stefan; Matthiessen, Jens; Samtleben, Christian; Schäfer, Priska; Schröder-Ritzrau, Andrea and Thiede, Jörn.**

The potential of synoptic plankton analyses for paleoclimatic investigations; five plankton groups from the Holocene Nordic seas: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 291-318, illus. incl. 8 tables, geol. sketch map, 96 ref., 2001. *Dinoflagellata, Foraminifera, Radiolaria, diatoms, nannofossils*

**57000451**

**Weinelt, Mara (Kiel University, Institute for Geosciences, Kiel, Federal Republic of Germany); Kuhnt, Wolfgang; Sarnthein, Michael; Altenbach, Alexander; Costello, Oran; Erlenkeuser, Helmut; Pflaumann, Uwe; Simstich, Johannes; Struck, Ulrich; Thies, Andrea; Trauth, Martin H. and Vogelsang, Elke.**

Paleoceanographic proxies in the northern North Atlantic: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 319-352, illus. incl. 3 tables, geol. sketch map, 48 ref., 2001. *Quaternary*

**57000453**

**Rosell-Melé, Antoni (University of Durham, Department of Geography, Durham, United Kingdom).**

Examination of the use of biomarker proxies for the reconstruction of paleoceanographic conditions in the northern North Atlantic: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 353-363, illus. incl. geol. sketch map, 57 ref., 2001.

**57000454**

**Sarnthein, Michael (Kiel University, Institute for Geosciences, Kiel, Federal Republic of Germany); Statterger, Karl; Dreger, Derek; Erlenkeuser, Helmut; Grootes, Pieter; Haupt, Bernd J.; Jung, Simon; Kiefer, Thorsten; Kuhnt, Wolfgang; Pflaumann, Uwe; Schäfer-Neth, Christian; Schultz, Hartmut; Schultz, Michael; Seidov, Dan; Simstich, Johannes; van Kreveld, Shirley; Vogelsang, Elke; Völker, Antje and Weinelt, Mara.**

Fundamental modes and abrupt changes in Northern Atlantic circulation and climate over the last 60 ky; concepts, reconstruction and numerical modeling: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 365-410, illus. incl. 3 tables, geol. sketch map, 157 ref., 2001.

**57000455**

**Bauch, Henning A. (Kiel University, GEOMAR, Kiel, Federal Republic of Germany); Struck, Ulrich and Thiede, Jörn.**

Planktic and benthic Foraminifera as indicators of past ocean changes in surface and deep waters of the Nordic seas: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 411-421, illus. incl. geol. sketch map, 70 ref., 2001.

**57000456**

**Peltier, W. Richard (University of Toronto, Department of Physics, Toronto, ON, Canada) and Sakai, Kotaro.**

Dansgaard-Oeschger oscillations; a hydrodynamic theory: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 423-439, illus. incl. block diag., 31 ref., 2001.

**57000457**

**Schäfer-Neth, Christian (Kiel University, SFB 313, Kiel, Federal Republic of Germany) and Paul, André**

Circulation of the glacial Atlantic; a synthesis of global and regional modeling: *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 441-462, illus. incl. geol. sketch maps, 3 tables, sects., 59 ref., 2001.

**57000458**

**Thiede, Jörn (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Schäfer, Priska; Ritzrau, Will; Schlüter, Michael and Schröder-Ritzrau, Andrea.**

Present and past oceanographic controls of sediment formation in North Atlantic-Arctic gateway (a critical appraisal of SFB 313 scientific results): *in* The northern North Atlantic; a changing environment (Schäfer, Priska, editor; *et al.*), Springer, Berlin, Federal Republic of Germany, p. 463-491, illus. incl. geol. sketch maps, sects., 109 ref., 2001.

**57000459**

**Socki, R. A. (Lockheed ESC, Planetary Sciences Branch, Houston, TX); Romanek, C. S.; Gibson, E. K., Jr. and Golden, D. C.**

Terrestrial aufeis formation as a Martian analog; clues from laboratory-produced C-13 enriched cryogenic carbonate [abstr.]: *in* Lunar and planetary science, XXXII; Papers presented to the Thirty-second lunar and planetary science conference, **Abstracts of Papers Submitted to the Lunar and Planetary Science Conference**, 32, abstr. no. 2032, illus., 8 ref., 2001. compact disc. *Meeting*: March 12-16, 2001, Houston, TX.

**57000460**

**Yakshinskiy, B. V. and Madey, T. E.**

Electron- and photon-stimulated desorption of alkali atoms (Na, K) from water ice and silicon dioxide surfaces [abstr.]: *in* Lunar and planetary science, XXXII; Papers presented to the Thirty-second lunar and planetary science conference, **Abstracts of Papers Submitted to the Lunar and Planetary Science Conference**, 32, abstr. no. 1896, 1 ref., 2001. compact disc. *Meeting*: March 12-16, 2001, Houston, TX.

**57000461**

**Allen, Carlton C. (NASA, Johnson Space Center, Houston, TX); Grasby, Stephen and Longazo, Teresa G.**

Sulfur/carbonate springs and life in glacial ice [abstr.]: *in* Lunar and planetary science, XXXII; Papers presented to the Thirty-second lunar and planetary science conference, **Abstracts of Papers Submitted to the Lunar and Planetary Science Conference**, 32, abstr. no. 1019, illus., 6 ref., 2001. compact disc. *Meeting*: March 12-16, 2001, Houston, TX.

**57000462**

**Simakov, M. B. (Russian Academy of Sciences, Group of Exobiology, Saint Petersburg, Russian Federation).**

The possible sites for exobiological activity on Titan [abstr.]: *in* Lunar and planetary science, XXXII; Papers presented to the Thirty-second lunar and planetary science conference, **Abstracts of Papers Submitted to the Lunar and Planetary Science Conference**, 32, abstr. no. 1514, 21 ref., 2001. compact disc. *Meeting*: March 12-16, 2001, Houston, TX.

**57000463**

**Greenberg, R. (University of Arizona, Lunar and Planetary Laboratory, Tucson, AZ); Tufts, B. R.; Geissler, P. and Hoppa, G. V.**

Life on Europa; how tidal processes create suitable environments [abstr.]: *in* Lunar and planetary science, XXXII; Papers presented to the Thirty-second lunar and planetary science conference, **Abstracts of Papers Submitted to the Lunar and Planetary Science Conference**, 32, abstr. no. 1800, 15 ref., 2001. compact disc. *Meeting*: March 12-16, 2001, Houston, TX.

**57000464**

**Hasnain, Syed Iqbal (Jawaharlal Nehru University, School of Environmental Sciences, New Delhi, India).**

Himalayan glaciers meltdown; impact on South Asian rivers: *in* FRIEND 2002; regional hydrology; bridging the gap between research and practice (van Lanen, Henny A. J., editor; *et al.*), **IAHS-AISH Publication**, 274, p. 417-423, illus. incl. 2 tables, sketch map, 14 ref., 2002. *Meeting*: Fourth international conference on FRIEND (Flow Regimes from International Experimental and Network Data), March 18-22, 2002, Cape Town, South Africa.

**57000465**

**Mitrovica, Jerry X. (University of Toronto, Department of Physics, Toronto, ON, Canada) and Vermeersen, Bert L. A., editors.**

Ice sheets, sea level and the dynamic Earth: **Geodynamics Series**, 29, 309 p., illus., 2002. ISBN: 0-87590-531-5. Individual papers are cited separately.

**57000466**

**Mitrovica, Jerry X. (University of Toronto, Department of Physics, Toronto, ON, Canada) and Vermeersen, Bert L. A.**

Glacial isostatic adjustment and the Earth system: *in* Ice sheets, sea level and the dynamic Earth (Mitrovica, Jerry X., editor; *et al.*), **Geodynamics Series**, 29, p. 1-2, 14 ref., 2002.

**57000467**

**Wahr, John M. (University of Colorado, Department of Physics, Boulder, CO) and Davis, James L.**

Geodetic constraints on glacial isostatic adjustment: *in* Ice sheets, sea level and the dynamic Earth (Mitrovica, Jerry X., editor; *et al.*), **Geodynamics Series**, 29, p. 3-32, illus. incl. sketch maps, 98 ref., 2002.

**57000469**

**Sabadini, Roberto (Universita di Milano, Dipartimento di Scienze della Terra, Milan, Italy) and Vermeersen, Bert L. A.**

Long-term rotation instabilities of the Earth; a reanalysis: *in* Ice sheets, sea level and the dynamic Earth (Mitrovica, Jerry X., editor; *et al.*), **Geodynamics Series**, 29, p. 51-67, illus., 46 ref., 2002.

**57000470**

**Visser, P. N. A. (Delft University of Technology, Delft Institute for Earth-Oriented Space Research, Delft, Netherlands); Rummel, R.; Balmino, Georges; Sünkel, H.; Johannesson, J.; Aguirre, M.; Woodworth, P. L.; Le Provost, C.; Tscherning, C. C. and Sabadini, Roberto.** The European Earth Explorer Mission GOCE; impact for the geosciences: *in* Ice sheets, sea level and the dynamic Earth (Mitrovica, Jerry X., editor; *et al.*), **Geodynamics Series**, 29, p. 95-107, illus. incl. 2 tables, 48 ref., 2002.

**57000471**

**Trupin, Andrew S. (Oregon Institute of Technology, Department of Natural Sciences, Klamath Falls, OR); Shum, C. K. and Zhao, C. Y.**

A comparison of methods of altimetry and gravity inversion to measure components of the global water budget: *in* Ice sheets, sea level and the dynamic Earth (Mitrovica, Jerry X., editor; *et al.*), **Geodynamics Series**, 29, p. 119-132, 3 tables, sketch maps, 23 ref., 2002.

**57000472**

**Ivins, Erik R. (Jet Propulsion Laboratory, Pasadena, CA); Raymond, Carol A. and James, Thomas S.**

Late-Pleistocene, Holocene and present-day ice load evolution in the Antarctic Peninsula; models and predicted vertical crustal motion: *in* Ice sheets, sea level and the dynamic Earth (Mitrovica, Jerry X., editor; *et al.*), **Geodynamics Series**, 29, p. 133-155, illus. incl. 2 tables, sketch maps, 98 ref., 2002.

**57000473**

**Okuno, Jun'ichi (University of Tokyo, Earthquake Research Institute, Bunkyo, Japan) and Nakada, Masao.**

Contributions of ineffective ice loads on sea-level and free-air gravity: *in* Ice sheets, sea level and the dynamic Earth (Mitrovica, Jerry X., editor; *et al.*), **Geodynamics Series**, 29, p. 177-185, illus. incl. sketch maps, 20 ref., 2002.

**57000474**

**Moberg, Anders (Stockholm University, Department of Physical Geography and Quaternary Geology, Stockholm, Sweden); Bergstrom, Hans; Krigsman, Josefin Ruiz and Svanered, Ola.**

Daily air temperature and pressure series for Stockholm (1756-1998): *in* Improved understanding of past climatic variability from early daily European instrumental sources (Camuffo, Dario, editor; *et al.*), **Climatic Change**, 53(1-3), p. 171-212, illus. incl. 6 tables, 31 ref., May 2002. Includes appendix.

**57000475**

**Bergstrom, Hans (Uppsala University, Department of Earth Sciences-Meteorology, Uppsala, Sweden) and Moberg, Anders.**

Daily air temperature and pressure series for Uppsala (1722-1998): *in* Improved understanding of past climatic variability from early daily European instrumental sources (Camuffo, Dario, editor; *et al.*), **Climatic Change**, 53(1-3), p. 213-252, illus. incl. 3 tables, sketch map, 18 ref., May 2002.

57000476

**Jones, P. D. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom) and Lister, D. H.**

The daily temperature record for St. Petersburg (1743-1996): *in* Improved understanding of past climatic variability from early daily European instrumental sources (Camuffo, Dario, editor; *et al.*), **Climatic Change**, 53(1-3), p. 253-267, illus. incl. 4 tables, 20 ref., May 2002.

57000477

**Yan, Z. (Southampton Oceanography Centre, International CLIVAR Project Office, Southampton, United Kingdom); Jones, P. D.; Davies, T. D.; Moberg, Anders; Bergstrom, Hans; Camuffo, Dario; Cocheo, Claudio; Maugeri, Maurizio; Demarée, G. R.; Verhoeve, T.; Thoen, E.; Barriendos, Mariano; Rodríguez, R.; Martín Vide, Javier and Yang, C.**

Trends of extreme temperatures in Europe and China based on daily observations: *in* Improved understanding of past climatic variability from early daily European instrumental sources (Camuffo, Dario, editor; *et al.*), **Climatic Change**, 53(1-3), p. 355-392, illus. incl. 5 tables, sketch maps, 31 ref., May 2002.

57000478

**Fabre, Denis (Université Joseph Fourier, Grenoble, France); Francou, Bernard; Kaiser, Brigitte; Smiraglia, Claudio and Valla, François.**

Un rock glacier atipico nell'ambiente tropicale arido del Sud Lipez (Vulcano Caquella, Bolivia) [An atypical rock glacier in the arid tropical environment of South Lipez, Caquella Volcano, Bolivia]: **Bollettino della Societa Geografica Italiana**, 12(6(1-2)), p. 155-167 (English sum.), illus. incl. sketch maps, 31 ref., June 2001.

57000479

**O'Neill, Alan (University of Reading, Department of Meteorology, Reading, United Kingdom) and Steenman-Clark, Lois.**

The computational challenges of earth-system science: **Philosophical Transactions - Royal Society. Mathematical, Physical and Engineering Sciences**, 360(1795), p. 1267-1275, illus., 7 ref., June 15, 2002.

57000480

**Dowdeswell, J. A. (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom); Bassford, R. P.; Gorman, M. R.; Williams, M.; Glazovsky, A. F.; Macheret, Y. Y.; Shepherd, A. P.; Vasilenko, Y. V.; Savatyuguin, L. M.; Hubberten, H. W. and Miller, H.**

Form and flow of the Academy of Sciences ice cap, Severnaya Zemlya, Russian high Arctic: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(4), 17 p., illus. incl. geol. sketch maps, 2 tables, sects., 44 ref., April 10, 2002.

57000481

**Duval, P. (CNRS, Laboratoire de Glaciologie et Géophysique de l'Environnement, Saint Martin d'Heres, France) and Montagnat, M.**

Superplastic deformation of ice; experimental observations; discussion: **Journal of Geophysical Research, B, Solid Earth and Planets**, 107(4), 3 p., illus., 24 ref., April 10, 2002. For reference to original see Goldsby, D.L. and D. L. Kohlstedt; *J. Geophys. Res.*, Vol. 106, p. 11,017-11,030, 2001.

57000482

**Chaikovskii, Iu. V. (Rossiiskaia Akademiia Nauk, Institut Istorii Estestvoznaniia i Techniki im. S. I. Vavilova, Russian Federation).**

Vozvrashchenie leitenanta Kolchaka; k 100-letiiu Russkoi polyarnoi ekspeditsii (1900-1903) [Lieutenant Kolchak's comeback; centenary of Russian Polar expedition of 1900-1903]: **Vestnik Rossiiskoi Akademii Nauk**, 72(2), p. 152-161, illus., 32 ref., February 2002.

57000483

**Dobretsov, N. L. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Ob"edinnyy Institut Geologii, Geofiziki i Mineralogii, Russian Federation).**

Ob osnovnykh polozheniiakh strategii razvitiia Sibiri na dolgosrochnuiu perspektivu [Key provisions of long-term strategy of Siberia's development]: **Vestnik Rossiiskoi Akademii Nauk**, 72(3), p. 196-203, illus. incl. table, March 2002.

57000484

**Kuleshov, Valerii Vladimirovich (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Ekonomiki i Organizatsii Promyshlennogo Proizvodstva, Russian Federation).**

Sotsial'no-ekonomicheskaiia situatsiia v Sibiri [Social and economic situation in Siberia]: **Vestnik Rossiiskoi Akademii Nauk**, 72(3), p. 203-205, March 2002.

57000485

**Bennike, Ole (Geological Survey of Denmark and Greenland, Copenhagen, Denmark); Abrahamsen, Niels; Bak, Malgorzata; Israelson, Carsten; Konradi, Peter; Matthiessen, Jens and Witkowski, Andrzej.**

A multi-proxy study of Pliocene sediments from Île de France, North-east Greenland: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 186(1-2), p. 1-23, illus. incl. 5 tables, sketch maps, 99 ref., October 1, 2002. *Dinoflagellata, Foraminifera, diatoms*

57000486

**Magny, Michel (CNRS, Laboratoire de Chrono-Ecologie, Besancon, France); Miramont, Cécile and Sivan, Olivier.**

Assessment of the impact of climate and anthropogenic factors on Holocene Mediterranean vegetation in Europe on the basis of palaeohydrological records: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 186(1-2), p. 47-59, illus., 72 ref., October 1, 2002.

57000487

**Balter, Vincent (CNRS-Université de Bordeaux I, "Laboratoire d'Anthropologie des Populations du Passé", Talence, France); Bocherens, Hervé; Person, Alain; Labourdette, Nathalie; Renard, Maurice and Vandermeersch, Bernard.**

Ecological and physiological variability of Sr/Ca and Ba/Ca in mammals of West European mid-Würmian food webs: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 186(1-2), p. 127-143, illus. incl. 2 tables, sketch map, 48 ref., October 1, 2002. Includes appendix.

57000488

**Dvoryashin, S. V. (Russian Academy of Sciences, Oboukhov Institute of Atmospheric Physics, Moscow, Russian Federation).**

Remote determination of the ratio between the volume coefficients of water and ice absorption in clouds in the 2.15-2.35- $\mu\text{m}$  spectral range: **Izvestiya Akademii Nauk. Rossiyskaya Akademiya Nauk. Fizika Atmosfery i Okeana**, 38(4), p. 465-469, illus., 18 ref., August 2002.

**57000489**

**Rice, Shawn (WesternGeco, Houston, TX) and Gibson, David.**

Reviewing our environmental/cultural progress: **The Leading Edge (Tulsa, OK)**, 21(9), p. 894-895, illus., September 2002.

**57000490**

**Bos, M. S. (Proudman Oceanographic Laboratory, Bidston Observatory, Birkenhead, United Kingdom); Baker, T. F.; Rothing, K. and Plag, H. P.**

Testing ocean tide models in the Nordic seas with tidal gravity observations: **Geophysical Journal International**, 150(3), p. 687-694, illus. incl. 7 tables, geol. sketch maps, 33 ref., September 2002.

**57000491**

**Verbyla, D. L. (University of Alaska Fairbanks, Department of Forest Sciences, Fairbanks, AK).**

A test of detecting spring leaf flush within the Alaskan boreal forest using ERS-2 and Radarsat SAR data: **International Journal of Remote Sensing**, 22(6), p. 1159-1165, 4 tables, 23 ref., April 15, 2001.

**57000492**

**Harper, M. A. (Victoria University, School of Earth Sciences, Wellington, New Zealand) and Collen, J. D.**

Glaciations, interglaciations and reworked microfossils in Poukawa Basin, New Zealand: *in* Late Quaternary climate change in the New Zealand region (Dodson, John, editor; *et al.*), **Global and Planetary Change**, 33(3-4), p. 243-256, illus. incl. 2 tables, geol. sketch map, 34 ref., July 2002. *Coccolithophoraceae, Foraminifera, diatoms*

**57000493**

**Okuda, M. (Natural History Museum and Institute, Chiba, Japan); Shulmeister, James and Flenley, J. R.**

Vegetation changes and their climatic implication for the late Pleistocene at Lake Poukawa, Hawkes Bay, New Zealand: *in* Late Quaternary climate change in the New Zealand region (Dodson, John, editor; *et al.*), **Global and Planetary Change**, 33(3-4), p. 269-282, illus. incl. sects., strat. col., 2 tables, sketch map, 53 ref., July 2002.

**57000494**

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

A Holocene and latest Pleistocene pollen record from Lake Poukawa, Hawke's Bay, New Zealand: *in* Late Quaternary climate change in the New Zealand region (Dodson, John, editor; *et al.*), **Global and Planetary Change**, 33(3-4), p. 283-299, illus. incl. sects., 1 table, sketch map, 36 ref., July 2002.

**57000495**

**Soons, J. M. (University of Canterbury, Research Association, Christchurch, New Zealand); Moar, N. T.; Shulmeister, James; Wilson, H. D. and Carter, J. A.**

Quaternary vegetation and climate changes on Banks Peninsula, South Island, New Zealand: *in* Late Quaternary climate change in the New Zealand region (Dodson, John, editor; *et al.*), **Global and Planetary Change**, 33(3-4), p. 301-314, illus. incl. sects., sketch maps, 29 ref., July 2002.

**57000496**

**Lancashire, A. K. (Massey University, Geography Programme, Palmerston North, New Zealand); Flenley, J. R. and Harper, M. A.**

Late glacial beech forest; an 18,000-5000-BP pollen record from Auckland, New Zealand: *in* Late Quaternary climate change in the New Zealand region (Dodson, John, editor; *et al.*), **Global and Planetary Change**, 33(3-4), p. 315-327, illus. incl. sects., 3 tables, sketch map, 45 ref., July 2002. *diatoms*

**57000497**

**Norway, Norsk Polarinstitutt.**

Publkhkasjons oversikt 2002—List of publications 2002: Norsk Polarinstitutt Institute, Norway, 40 p., (Norwegian, English), 2002.

**57000499**

**Bard, Edouard (CNRS, CEREGE, Aix-en-Provence, France); Delaygue, Gilles; Rostek, Frauke; Antonioli, Fabrizio; Silenzi, Sergio and Schrag, Daniel P.**

Hydrological conditions over the western Mediterranean basin during the deposition of the cold sapropel 6 (ca. 175 kyr BP): **Earth and Planetary Science Letters**, 202(2), p. 481-494, illus. incl. 1 table, sketch map, 55 ref., September 15, 2002.

**57000500**

**Royer, Dana L. (University of Sheffield, Department of Animal and Plant Sciences, Sheffield, United Kingdom); Osborne, Colin P. and Beerling, David J.**

High CO<sub>2</sub> increases the freezing sensitivity of plants; implications for paleoclimatic reconstructions from fossil floras: **Geology (Boulder)**, 30(11), p. 963-966, illus. incl. 1 table, 44 ref., November 2002.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=011&page=0963>

**57000501**

**Williams, John W. (University of California at Santa Barbara, National Center for Ecological Analysis and Synthesis, Santa Barbara, CA); Post, David M.; Cwynar, Les C.; Lotter, André F. and Levesque, André J.**

Rapid and widespread vegetation responses to past climate change in the North Atlantic region: **Geology (Boulder)**, 30(11), p. 971-974, illus. incl. 1 table, 30 ref., November 2002. With GSA Data Repository Item 2002115.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=011&page=0971>

**57000502**

**Wade, Bridget S. (University of Edinburgh, Department of Geology and Geophysics, Edinburgh, United Kingdom) and Kroon, Dick.**

Middle Eocene regional climate instability; evidence from the western North Atlantic: **Geology (Boulder)**, 30(11), p. 1011-1014, illus., 31 ref., November 2002. With GSA Data Repository Item 2002119.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=011&page=01011>

**57000503**

**Montgomery, David R. (University of Washington, Department of Earth and Space Sciences, Seattle, WA).**

Valley formation by fluvial and glacial erosion: **Geology (Boulder)**, 30(11), p. 1047-1050, illus. incl. sketch map, 37 ref., November 2002.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=011&page=01047>

**57000504**

**MacIntyre, Donal and Wootton, David, illustrator.**

Foul weather fiend: **Geographical Magazine (London)**, 74(10), p. 14-18, illus., October 2002.

**57000505**

**Thompson, Lonnie G. (Ohio State University, Byrd Polar Research Center, Columbus, OH); Mosley-Thompson, Ellen; Davis, Mary E.; Henderson, Keith A.; Brecher, Henry H.; Zagorodnov, Victor S.; Mashiotta, Tracy A.; Lin, Ping-Nan; Mikhalenko, Vladimir N.; Hardy, Douglas R. and Beer, Jürg.**

Kilimanjaro ice core records; evidence of Holocene climate change in tropical Africa: **Science**, 298(5593), p. 589-593, illus. incl. sketch map, 34 ref., October 18, 2002.

**57000506**

**Krajick, Kevin.**

Ice man; Lonnie Thompson scales the peaks for science: **Science**, 298(5593), p. 518-522, illus., October 18, 2002.

**57000507**

**Gasse, Françoise (Centre Européen de Recherche et d'Enseignement en Géosciences de l'Environnement, Aix-en-Provence, France).**

Kilimanjaro's secrets revealed: **Science**, 298(5593), p. 548-549, illus., 15 ref., October 18, 2002.  
*Holocene*

**57000508**

**Candy, Ian (University of Reading, Postgraduate Research Institute for Sedimentology, Reading, United Kingdom).**

Formation of a rhizogenic calcrete during a glacial stage (oxygen isotope stage 12); its palaeoenvironmental and stratigraphic significance: **Proceedings of the Geologists' Association**, 113, Part 3, p. 259-270, illus. incl. sect., sketch map, 41 ref., August 2002.

**57000509**

**Baker, Paul A. (Duke University, Division of Earth and Ocean Sciences, Durham, NC); Fritz, Sherilyn C. and Seltzer, Geoffrey O.**

Lake Titicaca; an archive of South American paleoclimate: **Geotimes**, 46(12), p. 20-23, illus. incl. sketch map, December 2001.

**57000510**

**Syversen, N. (Centre for Soil and Environmental Research, Aas, Norway).**

Effect of a cold-climate buffer zone on minimising diffuse pollution from agriculture: *in* Diffuse/non-point pollution and watershed management; proceedings of the 5th international conference on Diffuse pollution (Burkart, M. R., editor; *et al.*), **Water Science and Technology**, 45(9), p. 69-76, illus. incl. 2 tables, 26 ref., 2002. *Meeting*: June 10-15, 2001, Milwaukee, WI.

**57000511**

**Braskerud, B. C. (Jordforsk, Aas, Norway).**

Design considerations for increased sedimentation in small wetlands treating agricultural runoff: *in* Diffuse/non-point pollution and watershed management; proceedings of the 5th international conference on Diffuse pollution (Burkart, M. R., editor; *et al.*), **Water Science and Technology**, 45(9), p. 77-85, illus. incl. 2 tables, 17 ref., 2002. *Meeting*: June 10-15, 2001, Milwaukee, WI.

**57000522**

**Allen, C. F.; Lombardi, L. V. and Wells, W. M.**

The application of the reflection seismograph to near-surface exploration: **Geophysics**, 17(4), p. 859-866, October 1952.

**57000523**

**Berry, William B. N. (University of California at Berkeley, Department of Earth and Planetary Sciences, Berkeley, CA).**

Late Ordovician mass extinctions; causes and consequences; a view from Laurentia [abstr.]: *in* Catastrophic events and mass extinctions; impacts and beyond (Koeberl, Christian, chairperson), **LPI Contribution**, Rep. No. 1053, p. 10-11, 5 ref., 2000. *Meeting*: July 9-12, 2000, Vienna, Austria.

**57000524**

**Gaidos, E. J. (California Institute of Technology, Division of Geology & Planetary Sciences, Pasadena, CA).**

Ecology and evolution during Precambrian glaciations [abstr.]: *in* Catastrophic events and mass extinctions; impacts and beyond (Koeberl, Christian, chairperson), **LPI Contribution**, Rep. No. 1053, p. 48, 14 ref., 2000. *Meeting*: July 9-12, 2000, Vienna, Austria.

**57000525**

**Schrag, D. P. (Harvard University, Department of Earth and Planetary, Cambridge, MA) and Hoffman, P. F.**

A Neoproterozoic snowball Earth [abstr.]: *in* Catastrophic events and mass extinctions; impacts and beyond (Koeberl, Christian, chairperson), **LPI Contribution**, Rep. No. 1053, p. 191, 1 ref., 2000. *Meeting*: July 9-12, 2000, Vienna, Austria.

**57000526**

**Mathewes, Rolf W. (Simon Fraser University, Department of Biological Sciences, Burnaby, BC, Canada).**

Paleoecology of a lost world; pollen analysis and the coastal route for the peopling of the Americas [abstr.]: *in* Geological Society of America, 2000 annual meeting, **Abstracts with Programs - Geological Society of America**, 32(7), p. 129, 2000. *Meeting*: Nov. 9-18, 2000, Reno, NV. *Pleistocene*

**57000527**

**Halverson, Galen P. (Harvard University, Department of Earth and Planetary Sciences, Cambridge, MA).**

A "phantom" cap carbonate in the Neoproterozoic Grusdievbreen Formation, Akademikerbreen Group, northeastern Spitsbergen? [abstr.]: *in* Geological Society of America, 2000 annual meeting, **Abstracts with Programs - Geological Society of America**, 32(7), p. 144, 2000. *Meeting*: Nov. 9-18, 2000, Reno, NV.

**57000528**

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

Impact of ocean dynamics on the simulation of the Neoproterozoic "snowball Earth" [abstr.]: *in* Geological Society of America, 2000 annual meeting, **Abstracts with Programs - Geological Society of America**, 32(7), p. 144-145, 2000. *Meeting*: Nov. 9-18, 2000, Reno, NV.

**57000529**

**Ruddiman, William F. (Lamont-Doherty Geological Observatory, Palisades, United Kingdom) and Kutzbach, John E.**

Plateau uplift and climatic change: **Scientific American**, 264(3), p. 66-72, 74-75, illus., March 1991.

**57000530**

**Zorpette, Glenn.**

Why go to Mars?: **Scientific American**, 282(3), p. 40-43, illus., March 2000.

**57000531**

**Illes-Almar, E. (Konkoly Observatory, Budapest, Hungary); Gesztesi, A.; Horvath, A. and Fejes, I.**

The gray bands on Europa: *in* Planetary ionospheres and magnetospheres; proceedings of the C3.2/D0.9 symposium of COSPAT Scientific Commission C and the B0.5 symposium of COSPAR Scientific Commission B (Huddleston, D. E., editor; *et al.*), **Advances in Space Research**, 26(10), p. 1677-1680, illus., 11 ref., 2000. *Meeting*: Thirty second COSPAR scientific assembly, July 1998, Nagoya, Japan.

**57000532**

**Remund, Quinn Pendleton.**

Multisensor microwave remote sensing in the cryosphere: 265 p., Doctoral, 2000, Brigham Young University, Provo, UT. *Available from*: Univ. Microfilms.

**57000533**

**Gonoboblev, K. N. (Ekspeditsiia "Pechoruglerazvedka", Russian Federation).**

O probleme ekologicheskoi stabil'nosti na primere stroitel'stva i ekspluatatsii Pechorskoi TsOF [Ecologic stability on example of construction and exploration of Pechora beneficiation plant]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminara (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 6-9, 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**57000534**

**Khasanov, I. Iu. (Ufimskii Neftyanoi Institut, Salavatskii Filial, Ufa, Russian Federation).**

Transport nefi v zatverdevshem sostoianii v potoke malovyazkikh utlevodorodov po truboprovodam [Oil transport in solid state in low-viscous stream of hydrocarbons in pipelines]: *in* Peredovye tekhnologii razvedki i dobychi poleznykh iskopaemykh, osobennosti stroitel'stva i ekologii v usloviakh krainego severa; trudy IV respublikanskogo seminara (Goryakov, L. K., editor), Akademiia Nauk SSSR, Ural'skoe Otdelenie, Komi Nauchnyy Tsentr, Syktyvkar, USSR, p. 143-149, illus., 5 ref., 1990, [1991]. *Meeting*: March 22-24, 1990, Vorkuta, Russian Federation.

**57000535**

**Livingstone, Daniel A. (Duke University, Departments of Zoology and Geology, Durham, NC).**

Historical geochemistry of tropical Africa: *in* 27th SIL congress; proceedings (Williams, W. D., editor), **Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology**, 27, Part 1, p. 27-34, 53 ref., 2000. *Meeting*: 1998, Dublin, Ireland. *Quaternary, diatoms, pollen*

**57000536**

**Blom, Tom (University of Helsinki, Laboratory of Physical Geography, Helsinki, Finland); Korhola, Atte; Weckstrom, Jan; Laing, Tasmin; Snyder, Jeffrey; MacDonald, Glen and Smol, John.**

Physical and chemical characterisation of small subarctic headwater lakes in Finnish Lapland and the Kola Peninsula: *in* 27th SIL congress; proceedings (Williams, W. D., editor), **Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology**, 27, Part 1, p. 316-320, illus. incl. 1 table, 9 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000537**

**Mannio, Jaakko (Finnish Environment Institute, Helsinki, Finland); Raike, Antti and Vuorenmaa, Jussi.**

Finnish lake survey 1995; regional characteristics of lake chemistry: *in* 27th SIL congress; proceedings (Williams, W. D., editor), **Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology**, 27, Part 1, p. 362-367, 4 tables, 12 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000538**

**Agusti-Panareda, Anna (University of Edinburgh, Department of Geology and Geophysics, Edinburgh, United Kingdom); Thompson, Roy and Livingstone, David M.**

Reconstructing temperature variations at high elevation lake sites in Europe during the instrumental period: *in* 27th SIL congress; proceedings (Williams, W. D., editor), **Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology**, 27, Part 1, p. 479-483, illus., 4 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000539**

**Kleiven, Synne (Telemark College, Institute of Environmental Studies, Telemark, Norway) and Lande, Arne.**

Effects of liming in mountain lakes: *in* 27th SIL congress; proceedings (Williams, W. D., editor), **Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology**, 27, Part 1, p. 489-493, illus. incl. 2 tables, sketch map, 18 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000540**

**Thies, H. (University of Innsbruck, Institute of Zoology and Limnology, Innsbruck, Austria); Nickus, U.; Arnold, C.; Schnegg, R.; Wille, A. and Psenner, R.**  
Biogeochemistry of a high mountain lake in the Austrian Alps: *in 27th SIL congress; proceedings (Williams, W. D., editor), Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology*, 27, Part 1, p. 517-520, illus. incl. 1 table, 9 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000541**

**Tolotti, M. (Museo Tridentino di Scienze Naturali, Trent, Italy) and Cantonati, M.**  
Temporal and vertical variations of chlorophyll concentrations in high mountain lakes of the Adamello-Brenta Regional Park (Trentino, Italy): *in 27th SIL congress; proceedings (Williams, W. D., editor), Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology*, 27, Part 1, p. 521-526, illus. incl. 1 table, 26 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000542**

**Zagarese, H. E. (Universidad Nacional del Comahue, Centro Regional Universitario Bariloche, Bariloche, Argentina); Diaz, M.; Pedrozo, F. and Übeda, C.**  
Mountain lakes in northwestern Patagonia: *in 27th SIL congress; proceedings (Williams, W. D., editor), Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology*, 27, Part 1, p. 533-538, 3 tables, 12 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000543**

**Willen, Eva (Swedish University of Agricultural Sciences, Department of Environmental Assessment, Uppsala, Sweden); Ahlgren, Gunnel and Soderhielm, Anna-Carin.**  
Toxic cyanophytes in three Swedish lakes: *in 27th SIL congress; proceedings (Williams, W. D., editor), Verhandlungen - Internationale Vereinigung für Theoretische und Angewandte Limnologie = Proceedings - International Association of Theoretical and Applied Limnology*, 27, Part 1, p. 560-564, illus. incl. 1 table, sketch map, 14 ref., 2000. *Meeting*: 1998, Dublin, Ireland.

**57000544**

**Monroe, James S. (Central Michigan University, Mount Pleasant, MI) and Wicander, Reed.**  
Physical geology; exploring Earth: 2nd edition, West Publishing Company, Saint Paul, MN, 627 p., illus., 1995. ISBN: 0-314-04273-3. Includes glossary.

**57000545**

**Keys, Harry J. R. (Victoria University of Wellington, Antarctic Research Centre, Wellington, New Zealand).**  
Air temperature, wind, precipitation and atmospheric humidity in the McMurdo region, Antarctica: **Publication of Geology Department, Victoria University of Wellington**, 9, 57 p., illus. incl. 13 tables, sketch map, 99 ref., 1980.

**57000546**

**Suggate, R. P. (New Zealand Geological Survey, Lower Hutt, New Zealand).**

Late Otira Glaciation in the upper Buller Valley, Nelson, New Zealand: *in* Quaternary deposition and deformation in the Buller and tributary valleys (Suggate, R. P., editor), **Record - New Zealand Geological Survey**, Rep. No. 25, p. 13-25, illus., 9 ref., 1988.

**57000547**

**Suggate, R. P. (New Zealand Geological Survey, Lower Hutt, New Zealand).**

The Speargrass surface (c. 18000 yr BP) and its deformation in the Buller and tributary valleys: *in* Quaternary deposition and deformation in the Buller and tributary valleys (Suggate, R. P., editor), **Record - New Zealand Geological Survey**, Rep. No. 25, p. 27-43, illus., 16 ref., 1988.

**57000548**

**Petley, David N. (University of Durham, Department of Geography, Durham, United Kingdom); Bulmer, Mark H. and Murphy, William.**

Patterns of movement in rotational and translational landslides: **Geology (Boulder)**, 30(8), p. 719-722, illus., 21 ref., August 2002.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=08&page=0719>

**57000549**

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

15 k.y. paleoclimatic and glacial record from northern New Mexico: **Geology (Boulder)**, 30(8), p. 723-726, illus. incl. 1 table, sketch map, 24 ref., August 2002.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=08&page=0723>

**57000550**

**van Beek, Pieter (Centre National de la Recherche Scientifique, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Reyss, Jean-Louis; Paterne, Martine; Gersonde, Rainer; van der Loeff, Michiel Rutgers and Kuhn, Gerhard.**

<sup>226</sup>Ra in barite; absolute dating of Holocene Southern Ocean sediments and reconstruction of sea-surface reservoir ages: **Geology (Boulder)**, 30(8), p. 731-734, illus. incl. 1 table, 28 ref., August 2002. With GSA Data Repository Item 2002084. *Foraminifera, diatoms*

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=08&page=0731>

**57000551**

**Shapiro, Russell S. (University of Nevada at Las Vegas, Department of Geoscience, Las Vegas, NV).**

Are Proterozoic cap carbonates and isotopic excursions a record of gas hydrate destabilization following Earth's coldest intervals?; discussion: **Geology (Boulder)**, 30(8), p. 761-762, 11 ref., August 2002. For reference to reply see Kennedy, Martin J., et al., *Geology (Boulder)*, Vol. 30, p. 763, 2002; for reference to original see Kennedy, Martin J., et al., *Geology (Boulder)*, Vol. 29, p. 443-446, 2001.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=08&page=0761>

**57000552**

**Max, M. D. (Marine Desalination Systems (Research), Washington, DC) and Dillon, W. P.** Are Proterozoic cap carbonates and isotopic excursions a record of gas hydrate destabilization following Earth's coldest intervals?; discussion: **Geology (Boulder)**, 30(8), p. 762-763, 12 ref., August 2002. For reference to reply see Kennedy, Martin J., et al., *Geology (Boulder)*, Vol. 30, p. 763, 2002; for reference to original see Kennedy, Martin J., et al., *Geology (Boulder)*, Vol. 29, p. 443-446, 2001.  
<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=08&page=0762>

**57000553**

**Kennedy, Martin J. (University of California at Riverside, Department of Earth Science, Riverside, CA); Christie-Blick, Nicholas and Sohl, Linda E.** Are Proterozoic cap carbonates and isotopic excursions a record of gas hydrate destabilization following Earth's coldest intervals?; reply: **Geology (Boulder)**, 30(8), p. 763, 5 ref., August 2002. For reference to discussions see Shapiro, Russell S., *Geology (Boulder)*, Vol. 30, p. 761-762, 2002; Max, M. D., and Dillon, W. P., *Geology (Boulder)*, Vol. 30, p. 762-763, 2002; for reference to original see Kennedy, M. J., et al., *Geology (Boulder)*, Vol. 29, p. 443-446, 2001.  
<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=030&issue=08&page=0763>

**57000554**

**Colgan, Patrick M. (Northeastern University, Department of Geology, Boston, MA); Bierman, Paul R.; Mickelson, David M. and Caffee, Marc.** Variation in glacial erosion near the southern margin of the Laurentide ice sheet, south-central Wisconsin, USA; implications for cosmogenic dating of glacial terrains: **Geological Society of America Bulletin**, 114(12), p. 1581-1591, illus. incl. 5 tables, sketch map, 43 ref., December 2002.  
<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0091-7613&volume=114&issue=012&page=1581>