

56001780

Gast, Rebecca.

Antarctic studies illuminate diversity in extreme environments: **Annual Report of the Woods Hole Oceanographic Institution**, 1999, p. 10-11, 1999.

56002368

Hicke, Jeffrey Alan.

Descent rates in the Antarctic stratosphere: 168 p., illus. incl. 2 tables, sketch maps, 83 ref., Doctoral, 1999, University of Colorado. microfiche *Available from*: University Microfilms, Ann Arbor, MI, United States.

56002430

Shakhin, V. M. (TsNIIS, NITs "Morskie Berega", Sochi, Russian Federation); Rybka, V. G. and Iaroslavtsev, N. A.

Problemy zashity beregov Chernomorsko-Azovskogo poberezh'ia Krasnodarskogo kraia [Problems of shore protection on Black and Azov sea coasts in Krasnodar region]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(8), p. 10-13, illus., 2000.

56002522

Borodina, V. K. and Zakharov, N. S., editors.

Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviyakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii [Improving efficiency of wheeled and caterpillar machines in extreme exploitation conditions; collection of reports from international scientific-technical conference]: Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, 159 p., 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation. Individual papers within scope are cited separately.

56002523

Andronov, I. N.; Kucheryavyy, V. I. and Sharygin, A. M.

Povyshenie nadezhnosti konstruksii lesnykh kolesnykh mashin za schet primeneniia materialov s efektom pamyati formy [Improving reliability of forest wheeled machinery construction applying materials with form memory effect] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviyakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 6-7, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002524

Aniskin, L. G. (Chelyabinskii Gosudarstvennyy Tekhnicheskii Universitet, Chelyabinsk, Russian Federation) and Bolotnikov, V. N.

Vybor sistemy mezhsennogo khraneniia dlya podvizhnogo sostava (PS) transporta v usloviyakh zimnei ekspluatatsii [Choosing seasonal storage for transportation vehicles in winter exploitation conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviyakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 7-8, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002525

Blagonravov, A. A. (Kurganskii Gosudarstvennyi Universitet, Kurgan, Russian Federation) and Derzhanskii, V. B.

Povyshenie effektivnosti gusenichnoi mashiny na osnove avtomatizatsii upravleniia dvizheniem [Improving efficiency of caterpillar machinery based on automatization of movement management] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 19-21, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002526

Verigin, Iu. A. (Altaiskii Gosudarstvennyi Tekhnicheskii Universitet, Barnaul, Russian Federation); Annenkova, O. S. and Lyutov, V. N.

Nekotorye aspekty povysheniia effektivnosti raboty mashin i oborudovaniia v surovykh usloviakh ekspluatatsii [Some aspects of improving machinery and equipment performance in extreme exploitation conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 22-23, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002527

Voinash, A. S. (Rubtsovskii Inzhinernyy Institut, Rubtsovsk, Russian Federation).

Povyshenie prokhodimosti lesopromyshlennogo traktora [Improving passability of forest-industrial tractor] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 23-24, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002528

Volkov, D. P. (Moskovskii Gosudarstvennyi Stroitel'nyy Universitet, Moscow, Russian Federation); Gustov, D. I. and Gustov, Iu. I.

Povyshenie effektivnosti zemleroinoi tekhniki v usloviakh kholodnogo klimata [Improving efficiency of excavation equipment in cold climate conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 24-28, illus., 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002529

Govorushchenko, N. Ia. (KhGADTU, Kharkov, Ukraine) and Krivoshepov, S. I.

Osobennost' diagnostirovaniia avtomobilya po energeticheskomu kriteriiu v usloviakh nizkikh temperatur [Vehicle diagnostic features based on energy criteria in low temperature conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 33-35, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002530

Gorkovenko, S. I. (Iakutskii Gosudarstvennyy Universitet, Iakutsk, Russian Federation) and Boiarshinov, A. L.

Kolichestvennaia otsenka vliianiia nekotorykh ekspluatatsionno-tekhnicheskikh pokazatelei na urovni vibratsii kolesnykh i gusenechnykh mashin v usloviakh severa [Qualitative analysis of exploitation-technical parameters influence on wheeled and caterpillar vehicle vibration levels in extreme conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 39-41, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002531

Gorchakov, Iu. N. (DPI, Vladivostok, Russian Federation) and Kovalevskii, A. F.

Analiz nagruzhennosti rabocheho oborudovaniia ekskavatora [Loading analysis of excavator working equipment] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 41-43, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002532

Dedyukin, V. V. (Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation) and Gvozdev, V. F.

Sovershenstvovanie metodiki normirovaniia raskhoda topliva pri rabote avtokranov v zimnii period [Improving fuel use regulation method for mobile cranes in winter season] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 43-47, illus., 3 ref., 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002533

Zakharov, N. S. (Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation); Abakumov, G. V. and Pershin, Iu. M.

Vliianie sezonnykh uslovii na nadezhnost' avtomobilei Ural-4320 [Influence of seasonal conditions on reliability of Ural-4320 vehicles] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 60-66, 6 tables, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002534

Zudov, G. Iu. (Iakutskii Gosudarstvennyy Universitet, Iakutsk, Russian Federation) and Ishkov, A. M.

Strukturno-statisticheskii analiz rabotosposobnosti tekhniki, ekspluatiruemoi na severe [Structural-statistical analysis of equipment efficiency exploited in extreme conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovyykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 66-68, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002535

Ishkov, A. I. (Iakutskii Gosudarstvennyy Universitet, Iakutsk, Russian Federation) and Kuz'minov, M. A.

Ob odnom metode prognozirovaniia rabotosposobnosti avtomobilei v usloviakh severa [Method of predicting vehicle efficiency in extreme conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 68-70, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002536

Karnaukhov, V. N. (Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation).

Toplivnaia ekonomichnost' dvigatelya v nizkotemperaturnykh usloviakh NGDU Zapadnoi Sibiri [Fuel engine efficiency in low temperature conditions of West Siberia] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 71-73, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002537

Karnaukhov, V. N. (Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation) and Vilenskii, L. I.

Metodika vybora rezhima raboty i moshchnosti nagratelya dlya razogreva avtodvigatelya v usloviakh upravlenii tekhnologicheskogo transporta [Choosing method of working regime and power of heater for engines in technological transport management] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 73-76, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002538

Kravtsov, A. K. (RII, Rubtsovsk, Russian Federation).

Vliianie ekstremal'nykh prirodno-klimaticheskikh faktorov na ekspluatatsionnye svoistva khodovykh sistem traktorov [Influence of extreme climatic factors on exploitation properties of running gear in tractors] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 78, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002539

Kudryavtsev, V. M. (Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation); Pogosov, V. R.; Sumin, S. E. and Kholyavko, V. G.

Soderzhanie vrednykh veshestv v otrabotavshikh gazakh dvigatelya ZMZ-402 [Toxic element concentration in gaseous phase from working ZMZ-402 engine] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyy Neftegazovyy Universitet, Tyumen, Russian Federation, p. 78-79, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002540

Kychev, V. N. (ChGAU, Chelyabinsk, Russian Federation) and Fofanov, V. V.

Gidropnevmaticheskii starter dlya avtotraktornykh dvigatelei [Hydropneumatic starter for autotractor engines] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 85-86, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002541

Merdanov, Sh. M. (Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation).

Uvlazhnenie i uplotnenie snega pri stroitel'stve snegoledovykh dorog na severe [Humidifying and compacting snow for constructing snow-ice roads in northern conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 89-92, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002542

Migirenko, G. S. (Novosibirskii Gosudarstvennyi Tekhnicheskii Universitet, Novosibirsk, Russian Federation); Batalov, S. A. and Vetrov, Iu. V.

Sozdanie kompleksa tekhniki i tekhnologii sokhranyaiushchikh tundru [Technical and technological complex for preserving tundra] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 92-97, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002543

Mitsyn, G. P. (Chelyabinskii Traktornyy Zavod, Chelyabinsk, Russian Federation).

Sozdanie na OAO "Chelyabinskii Traktornyy Zavod" bul'dozero i truboukladchikov dlya paboty pri nizkikh temperaturakh [Constructing new bulldozers and pipe-laying machinery in Chelyabinsk Tractor Plant for exploitation in low temperatures] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 97-98, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002544

Nikulin, P. I. (VGASA, Voronezh, Russian Federation); Gerashenko, V. N. and Vasilenko, A. V.

O vzaimodeistvii kolesnogo dvizhitelya s soporonoi poverkhnost'iu [Interaction of wheeled mover with support surface] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 107-109, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002545

Podorozhnaia, L. P. (VoPI, Vologda, Russian Federation).

Zimnyaya ekspluatatsiia toplivo-smazochnykh materialov [Winter exploitation fuel-lubricating materials] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 112-113, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002546

Romalis, G. M. (Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation) and Kopotilov, V. I.

Veroiatnost' puska dvigatelei pri nizkoi temperature vozdukh [Probability of engine starting in low air temperature] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 116-117, table, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002547

Romanov, E. I. (Gazstroimashina, Moscow, Russian Federation).

Snegobolotokhodnye gusenichnye shassi [Snow-bog passable caterpillar chassis] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 117-119, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002548

Samoilova, M. I. (Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation) and Tarkhov, A. I.

Prisposobelenie gidroprivoda zemleroinnykh mashin k usloviyam ekspluatatsii pri nizkikh temperaturakh [Adapting hydrodriving gear of excavation machinery to exploitation in low temperatures] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 121-123, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002549

Samoilova, M. I. (Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation) and Kramskoi, V. F.

Sistema predpuskovoi teplovoi podgotovki gidroprivoda zemleroinoi mashiny [Pre-start thermal preparation system of hydrodriving gear of excavation machinery] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tehnicheskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 123-124, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002550

Suranov, G. I. (UII, Ukhta, Russian Federation).

Povyshenie dologovechnosti i bezotkaznosti dvigatelei na puskovykh rezhimakh v usloviakh nizkikh temperatur [Improving durability and reliability of engines in starting regimes in low temperature conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 124-127, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002551

Udler, E. I. (TGASA, Tomsk, Russian Federation); Petrov, G. G. and Pen'kov, D. P.

Povyshenie effektivnosti dizel'noi tekhniki v usloviakh nizkikh temperatur [Improving efficiency of diesel machinery in low temperature conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 132-133, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002552

Chernyaev, S. A. (Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation); Surzhikov, A. F. and Kulikov, V. D.

Effektivnost' ispol'zovaniia transportnykh sredstv dlya obsluzhivaniia promyslovykh truboprovodov Zapadnoi Sibiri [Efficiency of transport resource application for industrial pipeline maintenance in West Siberia] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 140-142, table, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002553

Shevchuk, V. P. (BgTZ, Volgograd, Russian Federation); Dolgov, I. A.; Vatsman, A. D.; Romanov, E. I.; Krasnoproshin, N. A. and Fomenko, N. A.

Snegobolotokhodnye gusenichnye mashiny gruzopod'emnost'iu 5T dlya surovykh uslovii ekspluatatsii [Snow-bog passable caterpillar machinery with loading ability up to 5 tons for exploitation in extreme conditions] [abstr.]: *in* Povyshenie effektivnosti raboty kolesnykh i gusenichnykh mashin v surovykh usloviakh ekspluatatsii; sbornik trudov mezhdunarodnoi nauchno-tekhnikeskoi konferentsii (Borodina, V. K., editor; *et al.*), Tyumenskii Gosudarstvennyi Neftegazovyy Universitet, Tyumen, Russian Federation, p. 147-149, table, 1996. *Meeting*: Nov. 20-22, 1996, Tyumen, Russian Federation.

56002559

Li Hongsheng (Dalian University of Technology, Dalian, China); Liu Zengli and Liang Chengji.

Mathematical model for coupled moisture, heat and stress field and numerical simulation of frozen soil: **Lixue Xuebao = Acta Mechanica Sinica**, 33(5), p. 621-629, (Chinese) (English sum.), illus. incl. 2 tables, tables, 9 ref., September 2001.

56002566

Vorob'ev, V. M. and Kaipov, R. A.

Plavuchaia atomnaia teploelektrostantsiia dlya otdalennykh rayonov severa i dal'nego vostoka [Floating nuclear thermoelectric power plant for hard to reach northern and Far East regions]: **Sudostroenie**, 1995(7), p. 26-29, illus., 1995.

56002570

Tamura, J. (Tokyo University of Technology, Tokyo, Japan) and Hiki, Y.

Vibration of dislocations in ice crystals: **Kotai Butsuri = Solid State Physics**, 17(7), p. 401-405, (Japanese), 12 ref., 1982.

56002582

Anonymous.

Materialy XII glyatsiologicheskogo simpoziuma [Materials from the 12th glaciological symposium]: **Materialy Glyatsiologicheskikh Issledovaniy**, 90, p. 1-148, 2001. *Meeting*: 1999, Russian Federation. Individual papers are cited separately.

56002584

Bol'shiianov, D. Iu. (Gosudarstvennyy Nauchnyy Tsentr Rossiiskoi Federatsii, Arkticheskii i Antarkticheskii Nauchno-Issledovatel'skii Institut, Saint Petersburg, Russian Federation).

Svyaz' izmenenii letnei tempratury vozdukha s ledikovymi sobytiiami v Arktike na protyazhenii golotsena i poslednego tysyacheletia [Relation between air summer temperature and glacial events in Arctic during Holocene and last thousand years]: *in* **Materialy XII glyatsiologicheskogo simpoziuma, Materialy Glyatsiologicheskikh Issledovaniy**, 90, p. 12-19 (English sum.), illus., 21 ref., 2001. *Meeting*: 1999, Russian Federation.

56002585

Grosval'd, M. G. (Rossiiskaia Akademiia Nauk, Institut Geografii, Russian Federation) and Lapteva, A. M.

Kol'skii poluostrov; sledy rannegolotsenovykh serdzhiei i potopov, vyzvannykh kollapsom Karskogo lednikovogo shchita [Kola Peninsula; evidence of lower Holocene surges and floods caused by collapse of Kara ice sheet]: *in* **Materialy XII glyatsiologicheskogo simpoziuma, Materialy Glyatsiologicheskikh Issledovaniy**, 90, p. 20-29 (English sum.), illus., 22 ref., 2001. *Meeting*: 1999, Russian Federation.

56002586

Leibman, M. O. (Russian Academy of Sciences, Siberian Branch, Earth Cryosphere, Tyumen, Russian Federation); Lein, A. Yu.; Hubberten, H. W.; Vanshtein, B. G. and Goncharov, G. N.

Isotope-geochemical characteristics of tabular ground ice at Yugorsky Peninsula and reconstruction of conditions for its formation: *in* **Materialy XII glyatsiologicheskogo simpoziuma, Materialy Glyatsiologicheskikh Issledovaniy**, 90, p. 30-39, illus. incl. 3 tables, 29 ref., 2001. *Meeting*: 1999, Russian Federation.

56002588

Aleinikova, A. M. (Moskovskii Gosudarstvennyi Universitet im. M. V. Lomonosova, Moscow, Russian Federation).

Vozrast morennykh otlozhenii doliny r. Adyl-su (Priel'brus'e) po materialam likhenometricheskoi s'emki [Age of Adyl-su River valley moraine deposits (Elbrus) based on lichenometry survey data]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 50-56 (English sum.), illus. incl. 2 tables, 17 ref., 2001. *Meeting*: 1999, Russian Federation.

56002589

Solomina, O. N. (Rossiiskaia Akademiia Nauk, Institut Geografii, Russian Federation); Zhidkov, V. A. and Moskalevskii, M. Iu.

Novye dannye po likhemometrii moren Polyarnogo Urala [New data on moraine lichenometry in Polar Urals]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 57-68 (English sum.), illus. incl. 4 tables, 31 ref., 2001. *Meeting*: 1999, Russian Federation.

56002592

Vasilenko, E. V. (Akademprigor, Tashkent, Uzbekistan); Glazovskii, A. F.; Macheret, Iu. Ia.; Navarro, F. J.; Tokarev, M. Iu.; Kalashnikov, A. Iu.; Miroshnichenko, D. E. and Reznikov, D. S.

Radiophysical studies of Aldegondabreen, Spitsbergen, 1999: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 86-99 (English sum.), illus., 11 ref., 2001. *Meeting*: 1999, Russian Federation.

56002593

Salamatin, A. N. (Kazanskii Gosudarstvennyi Universitet, Russian Federation); Shiraiwa, T.; Murav'ev, Ia. D. and Ziganishin, M. F.

Teploperenos v sezonnom deiatel'nom sloe lednikovogo kupola Gorshkova na vershine vulkana Ushkovskogo, Kamchatka [Heat transfer in seasonal active layer of Gorshkov ice cap, Ushkovskii Volcano summit, Kamchatka]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 100-106 (English sum.), illus. incl. 2 tables, 11 ref., 2001. *Meeting*: 1999, Russian Federation.

56002594

Nikitin, S. A. (Tomskii Gosudarstvennyi Universitet, Tomsk, Russian Federation); Osipov, A. V.; Vesnin, A. V. and Iglovskaiia, N. V.

Raspredelenie zapasov l'da v Severo-Chuiskom khrebtte Tsentral'nogo Altaia po dannym radiolokatsionnogo zondirovaniia [Ice reserves distribution at Severo-Chuiskii Range, central Altai, based on radio-echo sounding data]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 107-111 (English sum.), 3 tables, 3 ref., 2001. *Meeting*: 1999, Russian Federation.

56002595

Shantykhova, L. N. (Tomskii Gosudarstvennyi Universitet, Tomsk, Russian Federation) and Paramov, V. V.

Dinamika gidrometeorologicheskikh kharakteristik vyskogor'ia Altaia vo vtoroi polovine XX v. [Dynamics of hydrometeorological parameters in high latitudes of Altai Mountains in second half of the 20th century]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 112-116 (English sum.), illus. incl. 1 table, 15 ref., 2001. *Meeting*: 1999, Russian Federation.

56002596

Narozhnyy, Iu. K. (Tomskii Gosudarstvennyy Universitet, Tomsk, Russian Federation).

Resursnaia otsenka i tendentsii izmeneniia lednikov v basseine Aktru (Altai) za poslednie poltora stoletiiia [Resource assessment and trends of glacier variations in Aktru Basin (Altai) in last 150 years]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 117-125 (English sum.), illus. incl. 3 tables, 22 ref., 2001. *Meeting*: 1999, Russian Federation.

56002597

Glazyrin, F. E. (Sredneaziatskii Nauchno-Issledovatel'skii Hidrometeorologicheskii Institut, Tashkent, Uzbekistan) and Shetinnikov, A. S.

Sostoianie oledeneniia Gissaro-Alaia v poslednie desyatilentiia i vozmozhnaia ego dinamika v svyazi s budushchimi izmeneniami klimata [State of glaciation in Hissar-Alai in last decades and its possible variations because of future climatic change]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 126-129 (English sum.), 5 tables, 10 ref., 2001. *Meeting*: 1999, Russian Federation.

56002598

Kerimov, A. M. (Rossiiskaia Akademiia Nauk, Kabardino-Balkarskii Nauchnyy Tsentr, Nalchik, Russian Federation); Rototaeva, O. V. and Khmelevskoi, I. F.

Otsenka balansa khimicheskikh primesei v lednike [Assessment of chemical balance of Garabashi Glacier, Elbrus]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 130-133 (English sum.), illus. incl. 2 tables, 3 ref., 2001. *Meeting*: 1999, Russian Federation.

56002599

Isenko, E. V. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation) and Mavlyudov, B. R.

Ritmicheskie protsessy vo vnutrennikh kanalakh v teplykh i kholodnykh lednikakh [Rhythmic processes in inner channels of warm and cold glaciers]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 134-137 (English sum.), illus., 5 ref., 2001. *Meeting*: 1999, Russian Federation.

56002600

Mavlyudov, B. R. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation).

Ritmicheskie protsessy v oledeneniï peshcher [Rhythmic processes in cave glaciation]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 138-142 (English sum.), 6 ref., 2001. *Meeting*: 1999, Russian Federation.

56002601

Kotlyakov, V. M. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation); Zverkova, N. M.; Khromova, T. E. and Kryukova, O. S.

Elektronnyy glyatsiologicheskii atlas [Digital glaciological atlas]: *in* Materialy XII glyatsiologicheskogo simpoziuma, **Materialy Glyatsiologicheskikh Issledovaniï**, 90, p. 143-148, 5 ref., 2001. *Meeting*: 1999, Russian Federation.

56002732

Cuffey, K. M. (University of California at Berkeley, Department of Geography and Earth and Planetary Science, Berkeley, CA); Thorsteinsson, T. and Waddington, E. D.

A renewed argument for crystal size control of ice sheet strain rates: **Journal of Geophysical Research, B, Solid Earth and Planets**, 105(12), p. 27,889-27,894, illus. incl. 1 table, 24 ref., December 10, 2000.

56002733

Cuffey, K. M. (University of California at Berkeley, Department of Geography and Earth and Planetary Sciences, Berkeley, CA); Conway, H.; Gades, A.; Hallet, B.; Raymond, C. F. and Whitlow, S.

Deformation properties of subfreezing glacier ice; role of crystal size, chemical impurities, and rock particles inferred from in situ measurements: **Journal of Geophysical Research, B, Solid Earth and Planets**, 105(12), p. 27,895-27,915, illus. incl. 4 tables, geol. sketch map, December 10, 2000.

56002734

Cabanes, C. (CNES, LEGOS-GRGS, Toulouse, France); Cazenave, A. and Le Provost, C.

Sea level change from the Topex-Poseidon altimetry for 1993-1999 and possible warming of the southern oceans: **Geophysical Research Letters**, 28(1), p. 9-12, illus. incl. 1 table, 9 ref., January 1, 2001.

56002735

Ogura, Tomo'o (University of Tokyo, Center for Climate System Research, Tokyo, Japan) and Abe-Ouchi, Ayako.

Influence of the Antarctic ice sheet on southern high latitude climate during the Cenozoic; albedo vs topography effect: **Geophysical Research Letters**, 28(4), p. 587-590, illus., 18 ref., February 15, 2001.

56002736

Burgess, Margaret.

Analysis of the ground thermal regime at Norman Wells and Fort Good Hope; 1971-1974: 153 p., illus. incl. 12 tables, sketch map, 60 ref., Master's, August 1983, Carleton University, Ottawa, ON, Canada. ISBN: 0-315-12086-X microfiche *Available from*: Univ. Microfilms.

56002737

Anonymous.

Bol'shaia entsiklopediia geograficheskikh kart; vse karty Rossii [Big encyclopedia of geographic maps; all maps of Russia]: IDDK, Moscow, Russian Federation, disc, topographic maps, 1:2,000,000; physiographic maps, 1:750,000; physiographic maps, 1:500,000, 2000. compact disc.

56002786

Ovchinnikov, I. G. (Saratovskii Gosudarstvennyy Technicheskii Universitet, Saratov, Russian Federation); Rasporov, O. N. and Makarov, V. N.

Ustroistvo dorozhnoi odezhdyy na novom avtodorozhnom mostu cherez Volgu u Saratova [Road paving on new bridge across Volga near Saratov]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(8), p. 14-16, 2000.

56002787

Pyshko, L. V. (Mostootryad, Chita, Russian Federation) and Ponin, V. Z.

Sooruzheniia opor viaduka v zone BAMa [Viaduct support construction in Baikal-Amur Railroad region]: **Transportnoe Stroitel'stvo = Transport Construction**, 2000(8), p. 17-19 (English sum.), illus., 2000.

56002821

Triolo, Michael (BP-Amoco, Anchorage, AK); Obge, David and Lawal, Akanni.

Considerations for water disposal and management in the development of coalbed methane resources in rural Alaska: **Journal of Canadian Petroleum Technology**, 39(9), p. 41-47, illus. incl. 1 table, 21 ref., September 2000.

56002840

Manning, Sturt W. (University of Reading, Department of Archaeology, Reading, United Kingdom).

New GISP2 ice-core evidence supports 17th century BC date for the Santorini (Minoan) eruption; discussion: **Journal of Archaeological Science**, 25, p. 1039-1042, illus. incl. 1 table, 18 ref., 1998. For reference to original see Zielinski, G. A., and Germani, M. S., *J. of Archaeological Science*, Vol. 25, p. 279-289, 1998.

56002862

Gritsenko, A. I. and Istomin, V. A., editors.

Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa [Current problems of gas field development in extreme north region conditions]: Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, 213 p., illus., 1995.

56002863

Gritsenko, A. I. (Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Russian Federation); Suleimanov, R. S.; Istomin, V. A. and Kul'kov, A. N.

Sistemy sbora i promyslovoi obrabotki prirodnykh gazov v severnykh usloviakh; osnovnye osobennosti ikh proektirovaniia i ekspluatatsii [Exploitation and industrial processing of natural gas in northern conditions; basic features of planning and exploitation]: *in Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa* (Gritsenko, A. I., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, p. 3-41, illus., 20 ref., 1995.

56002864

Istomin, V. A. (Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Russian Federation) and Efimov, Iu. N.

Usovershenstvovannaia tekhnologicheskaiia skhema dvukhstadiinoi absorbtсионnoi osushki gaza na severnykh mestorozhdeniiakh [Improved technology of two stage natural gas drainage absorption in oil and gas fields in extreme north conditions]: *in Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa* (Gritsenko, A. I., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, p. 59-72, illus., 6 ref., 1995.

56002865

Lanchakov, G. A. (PO Urengoigazprom, Russian Federation); Efimov, Iu. N.; Istomin, V. A. and Kul'kov, A. N.

Sovershenstvovanie tekhnologii absorbtionnoi osushki gaza na Urengoiskom GKM pri podklyuchenii DKS vtoroi ocheredi [Improving natural gas drainage absorption technology in Urengoi Field during second stage DKS involvement]: *in Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa* (Gritsenko, A. I., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, p. 73-84, 1995.

56002866

Lanchakov, G. A. (Urengoigazprom, Russian Federation); Tolstov, V. A.; Kul'kov, A. N.; Borisov, E. L.; Stavitskii, V. A.; Davletov, Sh. and Komarov, O. G.

Opyt ekspluatatsii i modernizatsii separatsionnogo i absorbtionnogo oborudovaniia na ob'ektakh dobychi gaza severnykh mestorozhdenii [Exploitation and modernization experience of separation and absorption equipment in oil and gas field in northern conditions]: *in Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa* (Gritsenko, A. I., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, p. 85-100, illus., 4 ref., 1995.

56002867

Stryukov, A. Ia. (Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Russian Federation); Glebovskii, A. M.; Kolushev, N. R.; Salikhov, Z. S. and Cherninov, Ts. Ts.

Teplovaia zashchita mnogoletnemerzlykh porad (MMP) na bovanenkovskom mestorozhdenii v skvazhinakh, proburennykh po tipovoi konstruksii [Thermal protection of permafrost in Bovanenkovskoe Field oil wells, drilled based on typical design]: *in Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa* (Gritsenko, A. I., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, p. 125-129, illus., 1995.

56002868

Sereda, M. N. (TyumenNIIGiprogaz, Russian Federation); Baranov, A. V.; Degtyarev, B. V.; Khil'ko, V. A. and Orlov, A. V.

Kontrol' vynosa plastovoi vody iz gazovykh skvazhin po dannym spetsial'nykh gazodinamicheskikh issledovani i khimicheskogo analiza [Controlling connate water flow from oil wells based on spectral gaseous-dynamic research and chemical analysis]: *in Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa* (Gritsenko, A. I., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, p. 130-134, table, 4 ref., 1995.

56002869

Gritsenko, A. I. (VNIIGAZ, Russian Federation) and Istomin, V. A.

Aktual'nye napravleniia issledovani po sovershenstvovaniu tekhnologii dobychi prirodnogo gaza v oslozhnennykh usloviakh [Current research methods to improve technology of natural gas production in complex conditions]: *in Aktual'nye problemy osvoeniia gazovykh mestorozhdenii krainego severa* (Gritsenko, A. I., editor; *et al.*), Vserossiiskii Nauchno-Issledovatel'skii Institut Prirodnykh Gazov i Gazovykh Tekhnologii, Moscow, Russian Federation, p. 205-207, 1995.

56002872

Holloway, Greg (Institute of Ocean Sciences, Physical Oceanography, Sydney, BC, Canada) and Sou, Tessa.

Is Arctic Sea ice rapidly thinning?: **Meridian = Méridien**, 2001, Fall/Winter, p. 8-10, illus. incl. sketch maps, 2001.

56002873

Harington, C. R. (Canadian Museum of Nature, Research Division, Canada).

Life at a 3.5 million-year-old beaver pond in the Canadian Arctic Islands and the modern scene: **Meridian = Méridien**, 2001, Fall/Winter, p. 11-13, illus. incl. 1 table, sketch map, 2001.

56002958

Kuvaeva, G. M.; Sulakvelidze, G. K.; Chitadze, V. S.; Chotorlishvili, L. S. and El'mesov, A. M.

Fizicheskie svoistva snezhnogo pokrova Bol'shogo Kavkaza [Physical properties of Greater Caucasus snow cover]: *in the collection* Glyatsiologiya; IX razdel programmy MGGYT Glaciology; 9th section of International Geophysical Year program. Nauka, Moscow, USSR, 17, 194 p., illus., 160 ref., 1967. Includes appendix.

56002965

Cameron, E. (GeoStudio, Morbegno, Italy) and Peloso, G. F.

An application of fuzzy logic to the assessment of aquifers' pollution potential: **Environmental Geology (Berlin)**, 40(11-12), p. 1305-1315, illus. incl. 6 tables, 4 ref., October 2001.

56002966

Tsytsarin, A. G. and Ovinova, N. V.

Ob izmenchivosti ionnogo sostava vod Karskogo morya i opredelenii solenosti v zonakh vzaimodeistviia reka-more [Variability of ionic composition of Kara Sea waters and salinity determination in river-sea interaction zones]: **Meteorologiya i Gidrologiya**, 2000(11), p. 80-85 (English sum.), table, 8 ref., November 2000.

56002967

Porubaev, V. S.

Vliianie dinamicheskikh i termicheskikh faktorov na sezonnoe izmenenie srednei tolshchiny ledyanogo pokrova v Arkticheskom basseine [Influence of dynamic and thermal factors on seasonal sea-ice thickness change in Arctic Ocean]: **Meteorologiya i Gidrologiya**, 2000(11), p. 73-79 (English sum.), table, sketch maps, 14 ref., November 2000.

56002968

Derevyagin, A. Iu. (Moskovskii Gosudarstvennyy Universitet, Geologicheskii Fakul'tet, Moscow, Russian Federation); Chizhov, A. B.; Brezgunov, V. S.; Simonov, E. F. and Khubberten, G. V.

Snezhno-firnovy podzemnyy led na Taimyre [Snowy-firn ground ice in Taimyr]: **Kriosfera Zemli**, 4(4), p. 15-21 (English sum.), illus. incl. 2 tables, 16 ref., December 2000.

56002969

Pavlov, A. V. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Kriosfery Zemli, Tyumen, Russian Federation).

Teploperenos v prirodnykh kompleksakh severa Rossii [Heat transfer in landscape complexes of northern Russia]: **Kriosfera Zemli**, 4(4), p. 22-31 (English sum.), illus. incl. 7 tables, 28 ref., December 2000.

56002970

Gorbunov, A. P. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Merzlotovedeniia, Kazakhstanskaia Vysokogornaia Geokriologicheskaiia Laboratoriia, Almaty, Kazakhstan); Suslikov, V. N. and Sulerzhitskii, L. D.

K evolyutsii kriolitozony Karakul'skoi kotloviny na Pamire: pleistotsen i golotsen [Cryolithozone evolution of Karakul Basin in Pamirs; Pleistocene and Holocene]: **Kriosfera Zemli**, 4(4), p. 41-48 (English sum.), illus. incl. table, 21 ref., December 2000.

56002971

Malevskii-Malevich, S. P. (Glavnaia Geofizicheskaiia Observatoriia im. A. I. Voeikova, Saint Petersburg, Russian Federation); Mol'kentin, E. K.; Nadezhina, E. D.; Simonov, V. V. and Shklyarevich, O. B.

Model'nye raschety moshchnosti tolshchi mnogoletnemerzlykh porod i glubiny sezonnogo protaivaniia suglinkov pri sovremennom klimate [Permafrost thickness modeling and loam seasonal thawing depth under current climate conditions]: **Kriosfera Zemli**, 4(4), p. 49-56 (English sum.), illus. incl. sketch maps, 23 ref., December 2000.

56002972

Grechishchev, S. E. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Kriosfery Zemli, Moscow, Russian Federation); Sheshin, Iu. B. and Grechishcheva, O. V.

Modelirovanie segregatsionnogo formirovaniia podzemnykh plastovykh l'dov v razlichnykh geologicheskikh usloviakh [Modeling of underground massive ice segregational formation under variable geocryological conditions]: **Kriosfera Zemli**, 4(4), p. 57-66 (English sum.), illus. incl. 2 tables, 55 ref., December 2000.

56002973

Leibman, M. O. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Kriosfery Zemli, Tyumen, Russian Federation); Kizyakov, A. I.; Archegova, I. B. and Gorlanova, L. A.

Etapy razvitiia kriogen'nogo opolzaniia na Iugorskom poluostrove i Iamale [Stages of cryogenic landslide development in Iugorskii Peninsula and Iamal]: **Kriosfera Zemli**, 4(4), p. 67-75 (English sum.), illus. incl. 3 tables, sketch maps, 5 ref., December 2000.

56002974

Kagan, A. A. (Vserossiiskii Nauchno-Issledovatel'skii Institut Gidrotekhniki im. B. E. Vedeneeva, Saint Petersburg, Russian Federation) and Krivonogova, N. F.

Monitoring oblasti vzaimodeistviia gidrotekhnicheskikh sooruzhenii s geologicheskoi sredoi v kriolitozone [Monitoring of hydraulic constructions and geological media interaction in cryolithozone]: **Kriosfera Zemli**, 4(4), p. 76-81 (English sum.), illus., 3 ref., December 2000.

56002975

Konstantinov, P. Ia. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Merzlotovedeniia, Iakutsk, Russian Federation).

Kriogeomorfologicheskii metod opredeleniia odnositel'noi osadki ottaivaniia sil'nol'distykh mnogoletnemerzlykh porod [Cryogeomorphological method for determining relative thaw settlement of ice-rich permafrost]: **Kriosfera Zemli**, 4(4), p. 82-88 (English sum.), illus., 11 ref., December 2000.

56002976

Alekseev, S. V. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Zemnoi Kory, Irkutsk, Russian Federation) and Alekseeva, L. P.

Gidrogeokhimiia kriolitozony tsentral'noi chasti Iakutskoi almazonosnoi provintsii [Hydrogeochemistry of permafrost zone in central part of Yakutian diamond-bearing province]: **Kriosfera Zemli**, 4(4), p. 89-96 (English sum.), illus. incl. 4 tables, sketch map, 15 ref., December 2000.

56002977

Krenke, A. N. (Rossiiskaia Akademiia Nauk, Institut Geografii, Moscow, Russian Federation); Razuvaev, V. N.; Kitaev, L. M.; Martuganov, R. A. and Shakirzyanov, R. I.

Snezhnost' na territorii SNG i ego regionov v usloviakh global'nogo potepleniia [Snow incidence in Commonwealth of Independent States and its regions during global warming]: **Kriosfera Zemli**, 4(4), p. 97-106 (English sum.), illus. incl. 7 tables, sketch maps, 11 ref., December 2000.

56002978

Marakhtanov, V. P. (Moskovskii Gosudarstvennyi Universitet, Geologicheskii Fakul'tet, Moscow, Russian Federation) and Fedorov, V. M.

Dinamika teplovykh uslovii taianiia l'dov Rossiiskoi Arktiki v XX veke [Dynamics of thermal conditions of dissolution ice in Russian Arctic in the 20th century]: **Kriosfera Zemli**, 4(4), p. 107-117 (English sum.), illus. incl. 6 tables, 13 ref., December 2000.

56002979

Guzzetti, Fausto (CNR, IRPI Perugia, Perugia, Italy); Malamud, Bruce D.; Turcotte, Donald L. and Reichenbach, Paola.

Power-law correlations of landslide areas in central Italy: **Earth and Planetary Science Letters**, 195(3-4), p. 169-183, illus. incl. 1 table, sketch maps, 40 ref., February 15, 2002. CNR-GNDCI Publ. No. 2230.

56002980

Startsev, A. D. (Alberta Research Council, Forest Resources, Vegreville, AB, Canada) and McNabb, D. H.

Effects of skidding on forest soil infiltration in west-central Alberta: **Canadian Journal of Soil Science**, 80(4), p. 617-624 (French sum.), illus. incl. 6 tables, sketch map, 38 ref., November 2000.

56002981

Wolfe, S. A.; Kotler, E. and Dallimore, S. R.

Surficial characteristics and the distribution of thaw landforms (1970-1999), Shingle Point to Kay Point, Yukon Territory: **Open-File Report - Geological Survey of Canada**, Rep. No. 4115, 1 disc, illus., 11 ref., 2001. compact disc.

56003022

Lewis, Trevor (Sidney Geophysical Consultants, Sidney, BC, Canada); Mareschal, J. C. and Guillou-Frottier, L.

Ground surface temperature history in central Canada inferred from 10 selected borehole temperature profiles; discussion and reply: **Journal of Geophysical Research, B, Solid Earth and Planets**, 105(12), p. 28,393-28,397, 4 ref., December 10, 2000. For reference to original see Guillou-Frottier, L., Mareschal, J. C. and Musset, J.; *Journal of Geophysical Research, B, Solid Earth and Planets*, Vol. 103, No. 4, p. 7385-7397, 1998.

56003023

Wadhams, Peter (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom) and Davis, Norman R.

Further evidence of ice thinning in the Arctic Ocean: **Geophysical Research Letters**, 27(24), p. 3973-3975, illus. incl. 1 table, geol. sketch maps, 8 ref., December 15, 2000.

56003024

Polyakov, Igor V. (University of Alaska, Fairbanks, International Arctic Research Center, Fairbanks, AK) and Johnson, Mark A.

Arctic decadal and interdecadal variability: **Geophysical Research Letters**, 27(24), p. 4097-4100, illus. incl. geol. sketch map, 15 ref., December 15, 2000.

56003025

Tanimoto, Hiroshi; Kajii, Yoshizumi; Hirokawa, Kajii; Akimoto, Hajime and Minko, Nikolay P.

The atmospheric impact of boreal forest fires in far eastern Siberia on the seasonal variation of carbon monoxide; observations at Rishiri, a northern remote island in Japan: **Geophysical Research Letters**, 27(24), p. 4073-4076, illus. incl. geol. sketch maps, 19 ref., December 15, 2000.

56003026

Khvorostyanov, Vitaly I. and Curry, Judith A.

A new theory of heterogeneous ice nucleation for application in cloud and climate models: **Geophysical Research Letters**, 27(24), p. 4081-4084, illus. incl. 1 table, 1 ref., December 15, 2000.

56003027

Sattler, Birgit (University of Innsbruck, Institute of Zoology and Limnology, Innsbruck, Austria); Puxbaum, Hans and Psenner, Roland.

Bacterial growth in supercooled cloud droplets: **Geophysical Research Letters**, 28(2), p. 239-242, illus. incl. 1 table, 40 ref., January 15, 2001.

56003028

Crowley, Thomas J. (Texas A&M University, Department of Oceanography, College Station, TX); Hyde, William T. and Peltier, W. Richard.

CO₂ levels required for deglaciation of a "near-snowball" Earth: **Geophysical Research Letters**, 28(2), p. 283-286, illus. incl. block diag., 28 ref., January 15, 2001.

56003029

Unnerstad, Lars (Stockholm University, Department of Meteorology, Stockholm, Sweden) and Hansson, Margareta.

Simulated airborne particle size distribution over Greenland during last glacial maximum: **Geophysical Research Letters**, 28(2), p. 287-290, illus. incl. 4 tables, 12 ref., January 15, 2001.

56003030

Govindasamy, B. (Lawrence Livermore National Laboratory, Climate and Carbon Cycle Modeling Group Atmospheric Science Division, Livermore, CA); Duffy, P. B. and Caldeira, K.

Land use changes and Northern Hemisphere cooling: **Geophysical Research Letters**, 28(2), p. 291-294, illus. incl. 2 tables, geol. sketch maps, 25 ref., January 15, 2001.

56003031

Wagner, Gerhard (EAWAG, Department of Surface Waters, Dubendorf, Switzerland); Beer, Jürg; Masarik, Jozef; Muscheler, Raimund; Kubik, Peter W.; Mende, Werner; Laj, Carlo; Raisbeck, Grant M. and Yiou, Françoise.

Presence of the solar de Vries cycle (~205 years) during the last ice age: **Geophysical Research Letters**, 28(2), p. 303-306, illus. incl. block diag., 30 ref., January 15, 2001.

56003032

Baum, Steven K. (Texas A&M University, College Station, TX) and Crowley, Thomas J. GCM response to late Precambrian (~590 Ma); ice-covered continents: **Geophysical Research Letters**, 28(4), p. 583-586, illus. incl. geol. sketch map, 19 ref., February 15, 2001.

56003033

Kipfstuhl, Sepp (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany); Pauer, Frank; Kuhs, Werner F. and Shoji, Hitoshi.

Air bubbles and clathrate hydrates in the transition zone of the NGRIP deep ice core: **Geophysical Research Letters**, 28(4), p. 591-594, illus., 28 ref., February 15, 2001.

56003034

van Dam, T. (European Center for Geodynamics and Seismology, Luxembourg National Museum of Natural History, Luxembourg, Belgium); Wahr, J.; Milly, P. C. D.; Shmakin, A. B.; Blewitt, G.; Lavalée, D. and Larson, K. M.

Crustal displacements due to continental water loading: **Geophysical Research Letters**, 28(4), p. 651-654, illus. incl. geol. sketch maps, 10 ref., February 15, 2001.

56003035

Kimoto, Masahide (University of Tokyo, Tokyo, Japan); Jin, Fei-Fei; Watanabe, Masahiro and Yasutomi, Natsuko.

Zonal-eddy coupling and a neutral mode theory for the Arctic oscillation: **Geophysical Research Letters**, 28(4), p. 737-740, illus., 26 ref., February 15, 2001.

56003036

Groisman, Pavel Ya. (National Climatic Data Center, Asheville, NC) and Rankova, Esfir Ya.

Precipitation trends over the Russian permafrost-free zone; removing the artifacts of pre-processing: **International Journal of Climatology**, 21(6), p. 657-678, illus. incl. 7 tables, sketch map, 36 ref., May 2001. Includes appendices.

56003037

Lolis, C. J. (University of Ioannina, Department of Physics, Ioannina, Greece) and Bartzokas, A.

Winter temperature covariances in the middle and the lower troposphere over Europe and the North Atlantic Ocean: **International Journal of Climatology**, 21(6), p. 679-696, illus. incl. sketch maps, 39 ref., May 2001.

56003038

Krause, Federico F. (University of Calgary, Department of Geology and Geophysics, Calgary, AB, Canada).

Genesis and geometry of the Meiklejohn Peak lime mud-mound, Bare Mountain Quadrangle, Nevada, USA; Ordovician limestone with submarine frost heave structures; a possible response to gas clathrate hydrate evolution: *in* Carbonate mounds; sedimentation, organismal response, and diagenesis (Haywick, Douglas W., editor; *et al.*), **Sedimentary Geology**, 145(3-4), p. 189-213, illus. incl. 1 table, sketch map, 87 ref., December 2001.

56003039

Mackay, J. Ross (University of British Columbia, Department of Geography, Vancouver, BC, Canada) and Burn, C. R.

The first 20 years (1978-1979 to 1998-1999) of ice-wedge growth at the Illisarvik experimental drained lake site, western Arctic coast, Canada: **Canadian Journal of Earth Sciences = Revue Canadienne des Sciences de la Terre**, 39(1), p. 95-111 (French sum.), illus. incl. sketch map, 33 ref., January 2002. Polar Cont. Shelf Proj., Contrib. No. 002700.
<http://cjes.nrc.ca>

56003040

Sleewaegen, S. (Université Libre de Bruxelles, Département des Sciences de la Terre, Brussels, Belgium); Lorrain, R.; Offer, Z.; Azmon, E.; Fitzsimons, S. and Souchez, R.

Trapping of aeolian sediments and build-up of the ice cover by a dry-based Antarctic lake: **Earth Surface Processes and Landforms**, 27(3), p. 307-315, illus. incl. 1 table, geol. sketch map, 21 ref., March 2002.

56003041

Young, Grant M. (University of Western Ontario, Department of Earth Sciences, London, ON, Canada).

Geochemical investigation of a Neoproterozoic glacial unit; the Mineral Fork Formation in the Wasatch Range, Utah: **Geological Society of America Bulletin**, 114(4), p. 387-399, illus. incl. sect., 2 tables, geol. sketch maps, 64 ref., April 2002.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=0114&issue=04&page=0387>

56003042

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

The influence of tectonically derived relief and climate on the extent of the last glaciation east of the Patagonian ice fields (Argentina, Chile): *in* Andean geodynamics (Wörner, Gerhard, editor; *et al.*), **Tectonophysics**, 345(1-4), p. 329-344, illus. incl. geol. sketch map, 36 ref., February 15, 2002. *Meeting*: 4th international symposium (ISAG), Oct. 4-6, 1999, Göttingen, Federal Republic of Germany.

56003047

Lowe, J. John (University of London, Royal Holloway, Department of Geography, Egham, United Kingdom); Matthiessen, Jens and de Vernal, Anne, editors.

Dinoflagellate cysts and paleoceanography of high latitude marine environments: **JQS. Journal of Quaternary Science**, 16(7), p. 595-751, illus. incl. tables, plates, sketch maps, October 2001. Individual papers are cited separately. *Quaternary*

56003048

Mudie, Peta J. (Geological Survey of Canada, Dartmouth, NS, Canada); Harland, Rex; Matthiessen, Jens and de Vernal, Anne.

Marine dinoflagellate cysts and high latitude Quaternary paleoenvironmental reconstructions; an introduction: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 595-602, sketch map, 81 ref., October 2001.

56003049

Mudie, Peta J. (Geological Survey of Canada, Department of Natural Resources Canada, Dartmouth, NS, Canada) and Rochon, André

Distribution of dinoflagellate cysts in the Canadian Arctic marine region: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 603-620, 4 tables, sketch maps, 46 ref., October 2001. *Quaternary*

56003050

Head, Martin J. (University of Cambridge, Department of Geography, Cambridge, United Kingdom); Harland, Rex and Matthiessen, Jens.

Cold marine indicators of the late Quaternary; the new dinoflagellate cyst genus *Islandinium* and related morphotypes: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 621-636, illus. incl. 3 plates, sketch maps, 71 ref., October 2001.

56003051

Kunz-Pirrung, Martina (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany).

Dinoflagellate cyst assemblages in surface sediments of the Laptev Sea region (Arctic Ocean) and their relationship to hydrographic conditions: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 637-649, illus. incl. 2 tables, sketch maps, 62 ref., October 2001. *Quaternary*

56003052

Grosfjeld, Kari (Geological Survey of Norway, Trondheim, Norway) and Harland, Rex.

Distribution of modern dinoflagellate cysts from inshore areas along the coast of Southern Norway: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 651-659, illus. incl. 3 tables, sketch maps, 23 ref., October 2001.

56003053

Boessenkool, Karin P. (Utrecht University, Laboratory of Palaeobotany, Utrecht, Netherlands); Van Gelder, Marie-José; Brinkhuis, Henk and Troelstra, Simon R.

Distribution of organic-walled dinoflagellate cysts in surface sediments from transects across the polar front offshore Southeast Greenland: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 661-666, illus. incl. 1 table, sketch maps, 19 ref., October 2001. Includes two appendices. *Quaternary*

56003054

Radi, Taoufik (Université du Québec à Montréal, Centre de Recherche en Géochimie Isotopique et en Géochronologie (GEOTOP), Montreal, PQ, Canada); de Vernal, Anne and Peyron, Odile.

Relationships between dinoflagellate cyst assemblages in surface sediment and hydrographic conditions in the Bering and Chukchi seas: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 667-680, illus. incl. 2 tables, sketch maps, 65 ref., October 2001. *Quaternary*

56003055

de Vernal, Anne (Université du Québec à Montréal, GEOTOP, Montreal, PQ, Canada); Henry, Maryse; Matthiessen, Jens; Mudie, Peta J.; Rochon, André; Boessenkool, Karin P.; Eynaud, Frédérique; Grosfjeld, Kari; Guiot, Joël; Hamel, Dominique; Harland, Rex; Head, Martin J.; Kunz-Pirrung, Martina; Levac, Elisabeth; Loucheur, Virginie; Peyron, Odile; Pospelova, Vera; Radi, Taoufik; Turon, Jean-Louis and Voronina, Elena.

Dinoflagellate cyst assemblages as tracers of sea-surface conditions in the northern North Atlantic, Arctic and sub-Arctic seas; the new 'n = 677' data base and its application for quantitative palaeoceanographic reconstruction: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 681-698, illus. incl. 1 table, sketch maps, 65 ref., October 2001. *Quaternary*

56003056

Peyron, Odile (Université du Québec à Montréal, GEOTOP, Montreal, PQ, Canada) and de Vernal, Anne.

Application of artificial neural networks (ANN) to high-latitude dinocyst assemblages for the reconstruction of past sea-surface conditions in Arctic and sub-Arctic seas: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 699-709, illus. incl. 2 tables, sketch map, 60 ref., October 2001. *Quaternary*

56003057

Kunz-Pirrung, Martina (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Matthiessen, Jens and de Vernal, Anne.

Late Holocene dinoflagellate cysts as indicators for short-term climate variability in the eastern Laptev Sea (Arctic Ocean): *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 711-716, illus. incl. 1 table, sketch map, 44 ref., October 2001.

56003058

Voronina, Elena (Université du Québec à Montréal, GEOTOP, Montreal, PQ, Canada); Polyak, Leonid; de Vernal, Anne and Peyron, Odile.

Holocene variations of sea-surface conditions in the southeastern Barents Sea, reconstructed from dinoflagellate cyst assemblages: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 717-726, illus. incl. 2 tables, sketch maps, 46 ref., October 2001.

56003059

Matthiessen, Jens (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany) and Knies, Jochen.

Dinoflagellate cyst evidence for warm interglacial conditions at the northern Barents Sea margin during marine oxygen isotope stage 5: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 727-737, illus. incl. 1 table, strat. cols., sketch map, 72 ref., October 2001. *Foraminifera Quaternary*

56003060

Marret, Fabienne (University of Wales (Bangor), School of Ocean Sciences, Wales, United Kingdom); de Vernal, Anne; Benderra, Ferial and Harland, Rex.

Late Quaternary sea-surface conditions at DSDP Hole 594 in the Southwest Pacific Ocean based on dinoflagellate cyst assemblages: *in* Dinoflagellate cysts and paleoceanography of high latitude marine environments (Lowe, J. John, editor; *et al.*), **JQS. Journal of Quaternary Science**, 16(7), p. 739-751, illus. incl. 1 table, sketch maps, 68 ref., October 2001. *Foraminifera*

56003061

Zajaczkowski, Marek J. (Polish Academy of Sciences, Institute of Oceanology, Sopot, Poland) and Legezynska, Joanna.

Estimation of zooplankton mortality caused by an Arctic glacier outflow: **Oceanologia = Oceanology**, 43(3), p. 341-351, illus. incl. 4 tables, sketch map, 25 ref., 2001.

56003062

Rudoi, A. N.

Vozmozhnye gidravlicheskie kharakteristiki i geokhronologiya glyatsial'nykh superpavodkov na altae [Possible hydraulic characteristics and geochronology of glacial superfloods in Altai]: **Izvestiia Russkogo Geograficheskogo Obschestva**, 133(5), p. 30-40, 1 table, 53 ref., October 2001.

56003063

Bowen, Gabriel J. (University of California at Santa Cruz, Department of Earth Sciences, Santa Cruz, CA) and Wilkinson, Bruce.

Spatial distribution of $\delta^{18}\text{O}$ in meteoric precipitation: **Geology (Boulder)**, 30(4), p. 315-318, illus. incl. sketch maps, 38 ref., April 2002.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=030&issue=04&page=0315>

56003066

Italy, Centro di Ricerca e Documentazione Polare.

Polar news—Notizie polari: **Polar News = Notizie Polari**, 13(7-8), p. 43-51, (English, Italian), 1998.

56003067

Italy, Centro di Ricerca e Documentazione Polare.

Polar news—Notizie polari: **Polar News = Notizie Polari**, 14(3), p. 17-24, (English, Italian), 1999.

56003068

Italy, Centro di Ricerca e Documentazione Polare.

Polar news—Notizie polare: **Polar News = Notizie Polari**, 13(9), p. 52-58, (English, Italian), 1998.

56003077

Martinson, Douglas G. (Lamont-Doherty Earth Observatory, Department of Earth and Environmental Sciences, Palisades, NY) and Steele, Michael.

Future of the Arctic sea ice cover; implications of an Antarctic analog: **Geophysical Research Letters**, 28(2), p. 307-310, illus. incl. geol. sketch map, 20 ref., January 15, 2001.

56003078

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

Dust transport to Dome C, Antarctica, at the last glacial maximum and present day: **Geophysical Research Letters**, 28(2), p. 295-298, illus. incl. geol. sketch map, 25 ref., January 15, 2001.

56003079

Neumann, Klaus (University of Alabama, Tuscaloosa, AL); Lyons, W. Berry; Priscu, John C. and Donahoe, Rona J.

CO₂ concentrations in perennially ice-covered lakes of Taylor Valley, Antarctica: **Biogeochemistry (Dordrecht)**, 56(1), p. 27-50, 2 tables, 2001.

56003080

Lewkowicz, Antoni G., editor.

Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues: University of Ottawa Press, Ottawa, ON, Canada, 237 p., 1999. ISBN: 0-7766-0497-X. *Meeting*: Sept. 25-27, 1997, Ottawa, ON, Canada. Individual papers within scope are cited separately.

56003081

Roots, E. F.

Commentary; The ends of the Earth; differences and similarities: *in* Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 47-57, 1999. *Meeting*: Sept. 25-27, 1997, Ottawa, ON, Canada.

56003082

Doran, Peter; Adams, Peter and Ecclestone, Miles.

Arctic and Antarctic lakes; contrast or continuum?: *in* Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 59-68, 1999. *Meeting*: Sept. 25-27, 1997, Ottawa, ON, Canada.

56003083

Souchez, Roland.

Antarctic glaciology: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 89-97, 1999. *Meeting: Sept. 25-27, 1997, Ottawa, ON, Canada.*

56003084

Johnson, Peter G.

Commentary; Glaciology: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 99-101, 1999. *Meeting: Sept. 25-27, 1997, Ottawa, ON, Canada.*

56003085

Infante, María Teresa.

Antarctic marine environment and resources; a legal perspective: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 131-141, 1999. *Meeting: Sept. 25-27, 1997, Ottawa, ON, Canada.*

56003086

Lévesque, Esther.

Commentary; Life at the Poles; simple or complex?: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 151-155, 1999. *Meeting: Sept. 25-27, 1997, Ottawa, ON, Canada.*

56003087

Colacrai de Trevisan, Miryam.

International regimes for the polar regions: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 183-189, 1999. *Meeting: Sept. 25-27, 1997, Ottawa, ON, Canada.*

56003088

Rutford, Robert.

Protection of the Antarctic terrestrial environment: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 203-212, 1999. *Meeting: Sept. 25-27, 1997, Ottawa, ON, Canada.*

56003089

Hall, Kevin.

Commentary; Protection of the terrestrial environment: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 213-216, 1999. *Meeting: Sept. 25-27, 1997, Ottawa, ON, Canada.*

56003090

French, Hugh M. (University of Ottawa, Departments of Geography and Earth Sciences, Ottawa, ON, Canada).

The Arctic; an ocean surrounded by land: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 11-29, illus. incl. 4 tables, sketch map, 33 ref., 1999. *Meeting*: Sept. 25-27, 1997, Ottawa, ON, Canada.

56003091

Koerner, Roy M. (Geological Survey of Canada, Terrain Sciences Division, Ottawa, ON, Canada).

Climate and the ice core record; Arctic examples: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 71-87, illus. incl. sketch map, 49 ref., 1999. *Meeting*: Sept. 25-27, 1997, Ottawa, ON, Canada.

56003092

Robinson, Michael (University of Calgary, Arctic Institute of North America, Calgary, AB, Canada).

Protection of the terrestrial environment in the Arctic; state, corporatist and civil society approaches to stewardship: *in Poles apart, a study in contrasts; proceedings of an international symposium on Arctic and Antarctic issues* (Lewkowicz, Antoni G., editor), University of Ottawa Press, Ottawa, ON, Canada, p. 193-201, 12 ref., 1999. *Meeting*: Sept. 25-27, 1997, Ottawa, ON, Canada.

56003151

Walsh, M. E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Collins, C. M.; Racine, C. H.; Jenkins, T. F. and Gelvin, A. B.

Sampling for explosives residues at Fort Greely, Alaska; reconnaissance visit July 2000: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-01-15, 49 p., November 2001. *Available from*: National Technical Information Service, (703)487-4650, order number ADA398175NEG, Springfield, VA, United States.
http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR-01-16.pdf

56003152

Shoop, S. A. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).

Finite element modeling of tire-terrain interaction: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-01-16, 69 p., November 2001. *Available from*: National Technical Information Service, (703)487-4650, order number ADA398076NEG, Springfield, VA, United States.
http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR-01-16.pdf

56003155

Meffre, Jean-François.

Les brèves du petit artificier [The deeds of the avalanche detonator]: **Neige et Avalanches (Grenoble)**, 96, p. 4-9, illus., December 2001.

56003162

McMechan, M. E. (Geological Survey of Canada, Calgary, AB).

Vreeland diamictites; Neoproterozoic glaciogenic slope deposits, Rocky Mountains, Northeast British Columbia: **Bulletin of Canadian Petroleum Geology**, 48(3), p. 246-261 (French sum.), illus. incl. geol. sketch maps, strat. col., sect., 50 ref., September 2000.

56003163

Hanssen-Bauer, Inger (Norwegian Meteorological Institute, Oslo, Norway) and Forland, Eirik.

Temperature and precipitation variations in Norway 1900-1994 and their links to atmospheric circulation: **International Journal of Climatology**, 20(14), p. 1693-1708, illus. incl. 1 table, 21 ref., November 30, 2000.

56003164

Ye, Hengchun (University of Idaho, Department of Geography, Moscow, ID).

Decadal variability of Russian winter snow accumulation and its associations with Atlantic sea surface temperature anomalies: **International Journal of Climatology**, 20(14), p. 1709-1728, illus. incl. 1 table, geol. sketch maps, 73 ref., November 30, 2000.

56003165

Purves, R. S. (University of Edinburgh, Department of Geography, Edinburgh, United Kingdom) and Hulton, N. R. J.

A climatic-scale precipitation model compared with the UKCIP baseline climate: **International Journal of Climatology**, 20(14), p. 1809-1821, illus., 24 ref., November 30, 2000.

56003166

Backman, Jan, chairperson (JOIDES Arctic Detailed Planning Group).

Arctic Detailed Planning Group (ADPG) final report: **JOIDES Journal**, 27(2), p. 16-27, illus. incl. 2 tables, 1 ref., 2001.

56003167

Coniglio, Mario (University of Waterloo, Canada).

Mackenzie Mountains; where trilobites and gortex came to die: **Wat on Earth**, FALL 2001(Fall), p. 10-12, illus., 2001.

56003168

Morgan, Alan (University of Waterloo, Waterloo, ON, Canada).

Glacial potholes: **Wat on Earth**, FALL 2001(Fall), p. 18-21, illus., 9 ref., 2001.

56003169

Jones, David L. (University of Wales, School of Agricultural and Forest Sciences, Bangor, United Kingdom) and Kielland, Knut.

Soil amino acid turnover dominates the nitrogen flux in permafrost-dominated taiga forest soils: **Soil Biology & Biochemistry**, 34(2), p. 209-219, illus. incl. 2 tables, 42 ref., February 2002.

56003170

Otterman, J. (NASA, Goddard Space Flight Center, Land-Atmosphere-Ocean-Research, Greenbelt, MD); Ardizzone, J.; Atlas, R.; Bungato, D.; Cierniewski, J.; Jusem, J. C.; Przybylak, R.; Schubert, S.; Starr, D.; Walczewski, J. and Wos, A.

Extreme anomalies of winter air temperature in mid-latitude Europe: *in* Historical climatology; a new tool in the studies on climatic changes (Obrebska-Starklowa, Barbara, editor), **Geographia Polonica**, 74(2), p. 57-67, illus. incl. 2 tables, sketch maps, 15 ref., 2001.

56003171

Szumiec, Maria Anna (Polish Academy of Sciences, Institute of Ichthyobiology and Aquaculture, Chybie, Poland) and Augustyn, Danuta.

Carp culture; an indicator of climate fluctuations: *in* Historical climatology; a new tool in the studies on climatic changes (Obrebska-Starklowa, Barbara, editor), **Geographia Polonica**, 74(2), p. 81-89, illus. incl. sketch map, 19 ref., 2001.

56003172

Gray, Henry H. (Indiana Geological Survey, Bloomington, IN).

Subglacial meltwater channels (Nye channels or N-channels) in sandstone at Hindostan Falls, Martin County, Indiana: **Proceedings of the Indiana Academy of Science**, 110(1-4), p. 1-8, illus. incl. sketch maps, 13 ref., 2001.

56003173

Hall, Robert D. (Indiana University-Purdue University, Department of Geology, Indianapolis, IN) and Anderson, Allyson K.

Quaternary record at Cagles Mill, Putnam County, Indiana: **Proceedings of the Indiana Academy of Science**, 110(1-4), p. 9-22, illus. incl. strat. cols., 2 tables, geol. sketch maps, 27 ref., 2001.

56003174

Machul'skaya, E. E. (Russian Academy of Sciences, Institute of Numerical Mathematics, Moscow, Russian Federation) and Lykosov, V. N.

Simulation of the thermodynamic response to permafrost to seasonal and interannual variations in atmospheric parameters: **Izvestiya, Atmospheric and Oceanic Physics**, 38(1), p. 15-26, illus. incl. 2 tables, 32 ref., February 2002.

56003175

van Lancker, Eric (IAV Engineering, France) and Chritin, Vincent.

Des avalanches sous bonne surveillance [Avalanches under good surveillance]: **Neige et Avalanches (Grenoble)**, 96, p. 10-14, illus. incl. sketch map, December 2001.

56003176

Guardiola, Serge (Météo-France, France); Vray, Pierre and Vrecourt, Dominique.

Aspects de l'hiver 2000-2001 [Aspects of winter 2000-2001]: **Neige et Avalanches (Grenoble)**, 96, p. 15-19, illus., December 2001.

56003177

Martin, Eric (Météo-France, Centre National de Recherches Météorologiques, Centre d'Études de la Neige, France).

La nouvelle procédure "vigilance météo" [The new procedure "weather vigilance"]: **Neige et Avalanches (Grenoble)**, 96, p. 20-22, 2 tables, sketch map, December 2001.

56003178

Jerry, Frédéric (Association National pour l'Etude de la Neige et des Avalanches, Grenoble, France).

2000-2001; bilan des accidents d'avalanche [Avalanche accidents 2000-2001]: **Neige et Avalanches (Grenoble)**, 96, p. 23-27, illus., December 2001.

56003179

Anonymous.

Même une petite coulée peut tuer...leçons d'avalanche [Even a small runout can kill...avalanche lessons]: **Neige et Avalanches (Grenoble)**, 96, p. 28-29, illus., December 2001.

56003208

Bakhmutov, V. G. (Natsional'naia Akademiia Nauk Ukrainy, Institut Geofiziki im. S. I. Subbotina, Kiev, Ukraine).

Svyaz' paleoklimaticheskikh izmenenii s vekovymi variatsiiami geomagnitnogo polya [Connection between paleoclimatic changes and secular variations of magnetic field]: **Dopovidi Natsional'noyi Akademiyi Nauk Ukrainy. Matematika, Prirodoznavstvo, Tekhnichni Nauki**, 2001(2), p. 116-122 (English sum.), illus., 15 ref., 2001.

56003209

Parmuzin, S. Iu. and Chepurnov, M. B.

Prognoz dinamiki mnogoletnemerzlykh porod evropeiskogo Severa Rossii i Zapadnoi Sibiri v XXI veke [Predicting permafrost dynamics in northern part of European Russia and West Siberia in the 21st century]: **Vestnik Moskovskogo Universiteta, Seriya 4, Geologiya**, 2001(4), p. 64-68, illus. incl. 2 tables, 15 ref., August 2001.

56003210

Tarboton, David (Utah State University, Department of Civil and Environmental Engineering, Logan, UT); Blöschl, Günter; Cooley, Keith; Kirnbauer, Robert and Luce, Charlie.

Spatial snow cover processes at Kühtai and Reynolds Creek: *in* Spatial patterns in catchment hydrology; observations and modelling (Grayson, Rodger, editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 158-186, illus. incl. 1 table, 2001.

56003221

Asami, Hiroki (Hokkaido Fish Hatchery, Hokkaido, Japan) and Imada, Kazushi.

Ice algae and phytoplankton in the late ice-covered season in Notoro Ko Lagoon, Hokkaido: **Polar Bioscience**, 14(6), p. 24-32, illus. incl. 4 tables, sketch map, 19 ref., February 2001.

56003222

Uchida, Masaki (Hiroshima University, Department of Environmental Studies, Higashi-hiroshima, Japan); Nakatsubo, Takayuki; Tanaka, Keiko; Nakane, Kaneyuki and Horikoshi, Takao.

Decomposition and ergosterol content of the moss *Hylocomium splendens* litter under various climatic conditions: **Polar Bioscience**, 14(6), p. 71-78, illus. incl. 2 tables, 26 ref., February 2001.

56003223

Taguchi, Yasuhiro (Toyama University, Department of Biosphere Sciencee, Toyama, Japan) and Wada, Naoya.

Variations of leaf traits of an alpine shrub *Sieversia pentapetala* along an altitudinal gradient and under a simulated environmental change: **Polar Bioscience**, 14(6), p. 79-87, illus. incl. 3 tables, 24 ref., February 2001.

56003224

Anisuzzaman, G. M. (Shizuoka University, Department of Environmental Sciences, Shizuoka, Japan); Suzuki, Hiroshi; Kibe, Takeshi and Masuzawa, Takehiro.

Response of germination and seedling growth to soil particle size of three herbaceous perennials on alpine zone of Mt. Fuji: **Polar Bioscience**, 14(6), p. 88-98, illus., 34 ref., February 2001.

56003225

Sasaki, Naoko (Ehime University, College of Agriculture, Matsuyama, Japan); Takejima, Kiyoshi; Kusakabe, Tomoko and Sweda, Tatsuo.

Forest cover classification using Landsat thematic mapper data for areal expansion of line LAI estimate generated through airborne laser profiler: **Polar Bioscience**, 14(6), p. 110-121, illus. incl. 3 tables, sketch map, 22 ref., February 2001.

56003226

Odate, Tsuneo (Hokkaido University, Faculty of Fisheries, Hakodate, Japan) and Saitoh, Sei-ichi.

Chlorophyll specific growth rate and grazing mortality rate of phytoplankton in the shelf water of the Bering Sea in summer: **Polar Bioscience**, 14(6), p. 122-128, illus. incl. 1 table, sketch map, 12 ref., February 2001.

56003227

Huang Chinchang (Shaanxi Normal University, Department of Geography, Xi'an, China); Pang Jiangli and Huang Ping.

An early Holocene erosion phase on the loess tablelands in the southern Loess Plateau of China: **Geomorphology**, 43(3-4), p. 209-218, illus. incl. 1 table, sketch map, 25 ref., March 1, 2002.

56003228

U. S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service.

United States coast pilot; 6, Great Lakes; lakes Ontario, Erie, Huron, Michigan and Superior and St. Lawrence River: **United States Coast Pilot, 6, Great Lakes, Lakes Ontario, Erie, Huron, Michigan, and Superior and St. Lawrence River**, 6, 397 p., illus., 2001. Includes appendix.

56003230

Kaufmann, Georg (Universität Göttingen, Institut für Geophysik, Göttingen, Federal Republic of Germany) and Wu, Patrick.

Glacial isostatic adjustment in Fennoscandia with a three-dimensional viscosity structure as an inverse problem: **Earth and Planetary Science Letters**, 197(1-2), p. 1-10, illus. incl. 1 table, sketch maps, 37 ref., March 30, 2002.

56003231

de Carlo, Eric Heinen (University of Hawaii, Department of Oceanography, Honolulu, HI) and Green, William J.

Rare earth elements in the water column of Lake Vanda, McMurdo dry valleys, Antarctica: **Geochimica et Cosmochimica Acta**, 66(8), p. 1323-1333, illus. incl. 2 tables, sketch map, 57 ref., April 2002. Univ. Hawaii, Sch. Ocean and Earth Sci. and Technol., Contrib. No. 5559.

56003232

Maurice, Patricia A. (University of Notre Dame, Department of Civil Engineering and Geological Sciences, Notre Dame, IN); McKnight, Diane M.; Leff, Laura; Fulghum, Julia E. and Gooseff, Michael.

Direct observations of aluminosilicate weathering in the hyporheic zone of an Antarctic dry valley stream: **Geochimica et Cosmochimica Acta**, 66(8), p. 1335-1347, illus. incl. 6 tables, sketch map, 76 ref., April 2002.

56003233

Spero, Howard J. (University of California at Davis, Department of Geology, Davis, CA) and Lea, David W.

The cause of carbon isotope minimum events on glacial terminations: **Science**, 296(5567), p. 522-525, illus., 37 ref., April 19, 2002.

56003234

Krajick, Kevin.

Melting glaciers release ancient relics: **Science**, 296(5567), p. 454-456, illus., April 19, 2002.

56003235

Bjorck, Svante (Lund University, Quaternary Geology, Lund, Sweden); Bennike, Ole; Rosen, Peter; Andresen, Camilla S.; Bohncke, Sjoerd; Kaas, Eigil and Conley, Daniel.

Anomalously mild Younger Dryas summer conditions in southern Greenland: **Geology (Boulder)**, 30(5), p. 427-430, illus. incl. sects., 1 table, sketch map, 22 ref., May 2002. *Chlorophyta, diatoms, pollen*

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0016-7606&volume=030&issue=05&page=0427>

56003236

Ishman, S. E. (Southern Illinois University, Department of Geology, Carbondale, IL) and Sperling, M. R.

Benthic foraminiferal record of Holocene deep-water evolution in the Palmer Deep, western Antarctic Peninsula: **Geology (Boulder)**, 30(5), p. 435-438, illus. incl. sketch map, 47 ref., May 2002. With GSA Data Repository Item 2002044, available at www.geosociety.org/pubs/ft2002.htm.

<http://www.gsjournals.org/gsaonline/?request=get-abstract&issn=0016-7606&volume=030&issue=05&page=0435>

56003237

Roberts, Matthew J. (Staffordshire University, Geography Department, Stoke-on-Trent, United Kingdom); Tweed, Fiona S.; Russell, Andrew J.; Knudsen, Oskar; Lawson, Daniel E.; Larson, Grahame J.; Evenson, Edward B. and Bjornsson, Helgi.

Glaciohydraulic supercooling in Iceland: **Geology (Boulder)**, 30(5), p. 439-442, illus. incl. sketch map, 21 ref., May 2002. With GSA Data Repository Item 2002045, available at www.geosociety.org/pubs/ft2002.htm.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=030&issue=05&page=0439>

56003238

Viau, André E. (University of Ottawa, Department of Geography, Ottawa, ON, Canada); Gajewski, Konrad; Fines, Philippe; Atkinson, David E. and Sawada, Michael C.

Widespread evidence of 1500 yr climate variability in North America during the past 14 000 yr: **Geology (Boulder)**, 30(5), p. 455-458, illus. incl. 2 tables, sketch map, 37 ref., May 2002.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=030&issue=05&page=0455>

56003239

Benn, Douglas I. (University of Saint Andrews, School of Geography and Geosciences, Saint Andrews, United Kingdom) and Gemmell, Alastair M. D.

Fractal dimensions of diamictic particle-size distributions; simulations and evaluation: **Geological Society of America Bulletin**, 114(5), p. 528-532, illus., 36 ref., May 2002.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=0114&issue=05&page=0528>

56003240

Lachniet, Matthew S. (Syracuse University, Department of Earth Sciences, Syracuse, NY) and Seltzer, Geoffrey O.

Late Quaternary glaciation of Costa Rica: **Geological Society of America Bulletin**, 114(5), p. 547-558, illus. incl. 1 table, geol. sketch map, 66 ref., May 2002.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=0114&issue=05&page=0547>

56003241

Muhs, Daniel R. (U. S. Geological Survey, Denver, CO); Simmons, Kathleen R.; Kennedy, George L. and Rockwell, Thomas K.

The last interglacial period on the Pacific Coast of North America; timing and paleoclimate: **Geological Society of America Bulletin**, 114(5), p. 569-592, illus. incl. 1 table, sketch maps, 109 ref., May 2002. With GSA Data Repository Item 2002060, available at

<http://www.geosociety.org/pubs/ft2002.htm>.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=0114&issue=05&page=0569>

56003242

Owen, Lewis A. (University of California at Riverside, Department of Earth Sciences, Riverside, CA); Finkel, Robert C.; Caffee, Marc W. and Gualtieri, Lyn.

Timing of multiple late Quaternary glaciations in the Hunza Valley, Karakoram Mountains, northern Pakistan; defined by cosmogenic radionuclide dating of moraines: **Geological Society of America Bulletin**, 114(5), p. 593-604, illus. incl. 2 tables, sketch maps, 66 ref., May 2002.

<http://www.gsjournals.org/gsonline/?request=get-abstract&issn=0016-7606&volume=0114&issue=05&page=0593>

56003243

Kelly, Meredith A. (University of Maine, Institute for Quaternary and Climate Studies, Orono, ME); Denton, George H. and Hall, Brenda L.

Late Cenozoic paleoenvironment in southern Victoria Land, Antarctica, based on a polar glaciolacustrine deposit in western Victoria Valley: **Geological Society of America Bulletin**, 114(5), p. 605-618, illus. incl. 2 tables, sketch maps, 25 ref., May 2002.

<http://www.gsaonline.org/gsaonline/?request=get-abstract&issn=0016-7606&volume=0114&issue=05&page=0605>

56003244

Dallimore, Scott R. (Geological Survey of Canada, Ottawa, ON, Canada); Collett, Timothy S.; Weber, Michael and Uchida, Takahashi.

Drilling program investigates permafrost gas hydrates: **Eos, Transactions, American Geophysical Union**, 83(18), p. 193, 198, illus. incl. geol. sketch maps, 3 ref., April 30, 2002.

56003245

Partington, Kim C. (U. S. National Ice Center, Washington, DC).

A data fusion algorithm for mapping sea-ice concentrations from special sensor microwave/imager data: **IEEE Transactions on Geoscience and Remote Sensing**, 38(4, Part 2), p. 1947-1958, illus. incl. 3 tables, geol. sketch maps, 29 ref., July 2000.

56003246

Clark, Martyn P. (University of Colorado, Division of Cryospheric and Polar Processes, Boulder, CO) and Serreze, Mark C.

Effects of variations in East Asian snow cover on modulating atmospheric circulation over the North Pacific Ocean: **Journal of Climate**, 13(20), p. 3700-3710, illus. incl. 2 tables, 27 ref., October 15, 2000.

56003247

Reille, M. (Université Aix Marseille III, Laboratoire de Botanique Historique et Palynologie, Marseilles, France); De Beaulieu, J. L.; Svobodova, H.; Andrieu-Ponel, V. and Goeury, C.

Pollen analytical biostratigraphy of the last five climatic cycles from a long continental sequence from the Velay region (Massif Central, France): **JQS. Journal of Quaternary Science**, 15(7), p. 665-685, illus. incl. strat. cols., geol. sketch map, 65 ref., October 2000.

56003248

Hughes, P. D. M. (University of Southampton, Department of Geography, Southampton, United Kingdom); Kenward, H. K.; Hall, A. R. and Large, F. D.

A high-resolution record of mire development and climatic change spanning the late-glacial-Holocene boundary at Church Moss, Davenham (Cheshire, England): **JQS. Journal of Quaternary Science**, 15(7), p. 697-724, illus. incl. strat. cols., 3 tables, geol. sketch map, 70 ref., October 2000.

56003249

Hopf, F. V. L. (University of Newcastle, School of Geosciences, Newcastle, N.S.W., Australia); Colhoun, E. A. and Barton, C. E.

Late-glacial and Holocene record of vegetation and climate from Cynthia Bay, Lake St Clair, Tasmania: **JQS. Journal of Quaternary Science**, 15(7), p. 725-732, illus. incl. strat. cols., geol. sketch maps, 28 ref., October 2000.

56003250

Williams, George (Adelaide Univesity, Department of Geology & Geophysics, Adelaide, South Aust., Australia) and Schmidt, Phillip.

Proterozoic equatorial glaciation; has "snowball Earth" a snowball's chance?: **Australian Geologist**, 117, p. 21-25, illus., 49 ref., December 31, 2000.

56003251

Zhao, Jack Q. (National Research Council Canada, Institute for Research in Construction, Ottawa, ON, Canada); Rajani, Balvant B. and Daigle, Lyne.

Thermal performance of trench backfills used for frost protection of water service lines: **Canadian Geotechnical Journal = Revue Canadienne de Géotechnique**, 38(1), p. 161-174 (French sum.), illus. incl. 4 tables, 16 ref., February 2001.

56003252

Zubrin, Robert (Mars Society and Pioneer Astronautics).

North to Mars!: **Scientific American**, 284(6), p. 66-69, illus., June 2001.

56003253

Chylek, Petr (Dalhousie University, Departments of Physics and Oceanography, Halifax, NS, Canada); Lesins, Glen and Lohmann, Ulrike.

Enhancement of dust source area during past glacial periods due to changes of the Hadley circulation: *in* Quantifying the radiative impacts of mineral dust (DUST) (Sokolik, I. N., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 106(16), p. 18,477-18,485, illus. incl. geol. sketch maps, 33 ref., August 27, 2001.

56003254

Hinkley, Todd K. (U. S. Geological Survey, Denver, CO) and Matsumoto, Akikazu.

Atmospheric regime of dust and salt through 75,000 years of Taylor Dome ice core; refinement by measurement of major, minor, and trace metal suites: *in* Quantifying the radiative impacts of mineral dust (DUST) (Sokolik, I. N., prefacer; *et al.*), **Journal of Geophysical Research, D, Atmospheres**, 106(16), p. 18,487-18,493, illus. incl. 3 tables, 29 ref., August 27, 2001.

56003255

Hanna, E. and Bamber, J.

Derivation and optimisation of a new Antarctic sea-ice record: **International Journal of Remote Sensing**, 22(1), p. 113-139, illus. incl. 1 table, 2001.

56003256

Woon, David E. (Molecular Research Institute, Mountain View, CA).

Ab initio quantum chemical studies of reactions in astrophysical ices; 2, Reactions in H₂CO/HCN/HNC/H₂O ices: **Icarus**, 149(1), p. 277-284, illus. incl. 1 table, 24 ref., January 1, 2001. WWW. Accessed on March 12, 2002.

<http://www.idealibrary.com/links/doi/10.1006/icar.2000.6524>

56003257

Sun Jiabing (Wuhan University, School of Remote and Informatics Engineering, Wuhan, China); Huo Dongmin; Zhou Junqi and Sun Zhaohui.

The digital mapping of satellite images by free of ground control and the analysis of landform, blue ice and meteorites distribution in the Grove Mountains: **Jidi Yanjiu = Chinese Journal of Polar Research**, 13(1), p. 21-31, (Chinese) (English sum.), illus. incl. 5 tables, 3 ref., 2001.

56003260

Pavlov, B. A. (Russian Academy of Sciences, Institute of Biological Problems of the Far North, Magadan, Russian Federation).

Soils and the soil cover structure in the Chukotka Peninsula: **Eurasian Soil Science**, 34(11), p. 1154-1161, illus. incl. 5 tables, 19 ref., November 2001.

56003261

Brezgunov, V. S. (Russian Academy of Sciences, Water Problems Institute, Moscow, Russian Federation); Derevyagin, A. Yu. and Chizhov, A. B.

Using natural stable hydrogen and oxygen isotopes for studying the conditions of ground ice formation: **Water Resources**, 28(6), p. 604-608, illus. incl. 1 table, 8 ref., December 2001.

56003262

Goncharova, O. Iu. (Moskovskii Gosudarstvennyy Universitet, Kafedra Obshchego Porcvoedeniia, Russian Federation) and Vladychenskii, A. S.

Osobennosti gumusnogo sostoianiiia krioaridnykh pochv Altaia [Features of humus conditions from Altai cryo-arid soils]: **Vestnik Moskovskogo Universiteta, Seriiia 17, Pochvovedenie. Moscow.**, 2001(4), p. 13-18 (English sum.), 3 tables, 16 ref., December 2001.

56003264

Gubin, S. V. (Russian Academy of Sciences, Institute of Physicochemical and Biological Problems of Soil Science, Moscow, Russian Federation).

The Holocene history of soil development in coastal lowlands of northern Yakutia: **Eurasian Soil Science**, 34(12), p. 1257-1264, illus. incl. 1 table, 23 ref., 2001.

56003265

Vtyurin, G. M. (Russian Academy of Sciences, Ural Division, Komi Science Center, Institute of Biology, Syktyvkar, Russian Federation).

Relic features in the soil cover of middle taiga in the northeastern part of European Russia: **Eurasian Soil Science**, 34(12), p. 1265-1275, illus. incl. 3 tables, 38 ref., 2001.

56003266

Gottschalk, Lars (University of Oslo, Department of Geophysics, Blindern, Norway); Beldring, Stein; Engeland, Kolbjorn; Tallaksen, Lena; Saelthun, Nils Roar; Kolberg, Sjur and Motovilov, Yury.

Regional/macroscale hydrological modelling; a Scandinavian experience: *in* Can science and society avert the world water crisis in the 21st century? (Rodda, John C., editor; *et al.*), **Hydrological Sciences Journal = Journal des Sciences Hydrologiques**, 46(6), p. 963-982 (French sum.), illus. incl. 1 table, 56 ref., December 2001. *Meeting*: Oct. 2000, Tokyo, Japan.

56003268

Vinogradova, A. A. (Russian Academy of Sciences, Oboukhov Institute of Atmospheric Physics, Moscow, Russian Federation) and Ponomareva, T. Ya.

Balance of anthropogenic passive pollutants in the Russian Arctic atmosphere during the spring-summer period: **Doklady Earth Sciences**, 372(4), p. 767-769, illus. incl. 5 tables, 15 ref., June 2000.

56003269

Byshev, V. I. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Galerkin, L. I.; Galerkina, N. L.; Ivanov, Yu. A. and Fomin, L. M. Cooling of the Barents Sea during the El Niño phenomenon in 1997-1998: **Doklady Earth Sciences**, 376(1), p. 110-113, illus. incl. table, 13 ref., February 2001.

56003270

Macelloni, Giovanni (CNR, Istituto di Ricerca sulle Onde Elettromagnetiche, Florence, Italy); Paloscia, Simonetta; Pampaloni, Paolo and Tedesco, Marco. Microwave emission from dry snow; a comparison of experimental and model results: **IEEE Transactions on Geoscience and Remote Sensing**, 39(12), p. 2649-2656, illus. incl. 2 tables, 17 ref., December 2001.

56003272

Smith, Barbara (Antarctic CRC, Hobart, Tasmania, Australia) and Ruddell, Andrew. Snow accumulation in Wilhelm II Land, East Antarctica: **Antarctic CRC Research Report**, Rep. No. 22, 91 p., illus. incl. 8 tables, sketch maps, 61 ref., October 2001. Includes appendix.

56003273

Jasek, M. (Indian and Northern Affairs Canada, Water Resources Division, Whitehorse, YT, Canada); Muste, Marian and Ettema, Robert. Estimation of Yukon River discharge during an ice jam near Dawson City: **Canadian Journal of Civil Engineering = Revue Canadienne de Genie Civil**, 28(5), p. 856-864 (French sum.), illus. incl. sketch map, 13 ref., October 2001.

56003274

García Ruiz, J. M. (CSIC, Instituto Pirenaico de Ecología, Saragossa, Spain); Valero Garcés, B.; González Sampériz, P.; Lorente, A.; Marti-Bono, C.; Beguería, S. and Edwards, L. Stratified scree in the central Spanish Pyrenees; palaeoenvironmental implications: **Permafrost and Periglacial Processes**, 12(3), p. 233-242 (French sum.), illus. incl. sect., strat. col., 2 tables, sketch map, 43 ref., September 2001.

56003275

Ishikawa, Mamoru (Hokkaido University, Graduate School of Environmental Earth Sciences, Sapporo, Japan); Watanabe, Teiji and Nakamura, Naohiro. Genetic differences of rock glaciers and the discontinuous mountain permafrost zone in Kanchanjunga Himal, eastern Nepal: **Permafrost and Periglacial Processes**, 12(3), p. 243-253 (French sum.), illus. incl. sects., sketch maps, 42 ref., September 2001.

56003276

Murton, J. B. (University of Sussex, Centre for Environmental Research, Brighton, United Kingdom); Coutard, J. P.; Lautridou, J. P.; Ozouf, J. C.; Robinson, D. A. and Williams, R. B. G. Physical modelling of bedrock brecciation by ice segregation in permafrost: **Permafrost and Periglacial Processes**, 12(3), p. 255-266 (French sum.), illus. incl. 1 table, 23 ref., September 2001.

56003277

Bjornson, Jean (Université d'Ottawa, Département de Géographie, Ottawa, ON, Canada) and Lauriol, Bernard.

Météorisation des blocs de granite à la surface des pédiments dans le nord du Yukon, Canada [Weathering of granite blocks on pediment surfaces in northern Yukon, Canada]: **Permafrost and Periglacial Processes**, 12(3), p. 289-298 (English sum.), illus. incl. 2 tables, geol. sketch maps, 32 ref., September 2001.

56003278

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

Microgelivation versus macrogelivation; towards bridging the gap between laboratory and field frost weathering: **Permafrost and Periglacial Processes**, 12(3), p. 299-313 (French sum.), illus. incl. 2 tables, 69 ref., September 2001.

56003279

Czudek, Tadeas.

Pleistocenni kryogenni procesy na vrcholove casti Stranske skaly v Brne a jejich paleoklimaticky vyznam [Pleistocene cryogenic processes on summit of the Stranska Hill in Brno and their palaeoclimatic significance]: **Acta Musei Moraviae. Scientiae Geologicae. Casopis Moravského Muzea**, 86, p. 183-189 (English sum.), illus., 13 ref., 2001.

56003280

Pohjola, V. A. (Uppsala University, Department of Earth Sciences, Uppsala, Sweden); Moore, J. C.; Isaksson, E.; Jauhiainen, T.; van de Wal, R. S. W.; Martma, T.; Meijer, H. A. J. and Vaikmae, R.

Effect of periodic melting on geochemical and isotopic signals in an ice core from Lomonosovfonna, Svalbard: **Journal of Geophysical Research, D, Atmospheres**, 107(4), ACL 14 p., illus. incl. 6 tables, geol. sketch map, 39 ref., February 27, 2002. DOI 10.1029/2000JD000149.

56003281

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

A glaciation indirect aerosol effect caused by soot aerosols: **Geophysical Research Letters**, 29(4), p. 11, illus. incl. 1 table, 15 ref., February 15, 2002. DOI 10.1029/2001GL014357.

56003282

de Noblet-Ducoudré, Nathalie (Unité Mixte CEA-CNRS, Laboratoire des Sciences du Climat et de l'Environnement, Gif-sur-Yvette, France); Poutou, Estelle; Chappellaz, Jérôme; Coe, Michael and Krinner, Gerhard.

Indirect relationship between surface water budget and wetland extent: **Geophysical Research Letters**, 29(4), 4 p., illus. incl. 3 tables, 32 ref., February 15, 2002. DOI 10.1029/2001GL13929.

56003283

Kumar, Naresh (U. S. Geological Survey); Bird, Kenneth J.; Nelson, Philip H.; Grow, John A. and Evans, Kevin R.

A digital atlas of hydrocarbon accumulations within and adjacent to the National Petroleum Reserve-Alaska (NPR): **Open-File Report - U. S. Geological Survey**, Rep. No. OF 02-0071, 80 p., illus., 2002. WWW. Accessed on April 24, 2002. <http://geopubs.wr.usgs.gov/open-file/of02-071/>

56003285

Ishikawa, Akira (Mie University, Faculty of Bioresources, Kamihama-cho, Japan); Washiyama, Naoki; Tanimura, Atsushi and Fukuchi, Mitsuo.

Variation in the diatom community under fast ice near Syowa Station, Antarctica, during the austral summer of 1997/98: **Polar Bioscience**, 14(6), p. 10-23, illus. incl. 2 tables, sketch map, 35 ref., February 2001.

56003286

Winchester, Vanessa (University of Oxford, School of Geography and Environment, Oxford, United Kingdom); Harrison, Stephan and Warren, Charles R.

Recent retreat Glaciar Nef, Chilean Patagonia, dated by lichenometry and denrochronology: **Arctic, Antarctic, and Alpine Research**, 33(3), p. 266-273, illus. incl. 2 tables, geol. sketch maps, 32 ref., August 2001.

56003287

Hiemstra, John F. (University of Amsterdam, Institute for Biodiversity and Ecosystem Dynamics-Physical Geography, Amsterdam, Netherlands).

Microscopic analyses of Quaternary glacial sediments of Marguerite Bay, Antarctic Peninsula: **Arctic, Antarctic, and Alpine Research**, 33(3), p. 258-265, illus. incl. 2 tables, sketch maps, 30 ref., August 2001.