

GLACIOLOGICAL LITERATURE

THIS is a selected list of glaciological literature on the scientific study of snow and ice and of their effects on the earth; for the literature on polar expeditions, and also on the "applied" aspects of glaciology, such as snow ploughs, readers should consult the bibliographies in each issue of the *Polar Record*. For Russian material the system of transliteration used is that agreed by the U.S. Board on Geographic Names and the Permanent Committee on Geographical Names for British Official Use in 1947. Readers can greatly assist by sending reprints of their publications to the Society, or by informing Dr. J. W. Glen of publications of glaciological interest. It should be noted that the Society does not necessarily hold copies of the items in this list, and also that the Society does not possess facilities for microfilming or photocopying.

GENERAL GLACIOLOGY

- CRARY, A. P. Recent U.S. scientific research in Antarctic. Part I. Activities and preliminary findings of field programs during austral summer 1963-64. *Transactions. American Geophysical Union*, Vol. 45, No. 4, 1964, p. 719-26; *IG Bulletin* (Washington, D.C.), No. 88, 1964, p. 15-22. [Glaciological research by various U.S. bodies in Antarctica described, p. 725-26.]
- GRÖTZBACH, E., and HILLEBRANDT, A. VON. Die rezente und eiszeitliche Vergletscherung im mittleren Khwāja Muhammad-Gebirge. (In *Münchener Hindukusch-Kundfahrt 1963. Verlauf, wissenschaftliche und bergsteigerische Ergebnisse*. München, Akademischen Sektion München des Deutschen Alpenvereins, 1964, p. 26-31.) [General description, also periglacial phenomena of the recent and Ice Age glacierizations in the central Khwāja Muhammad ranges.]
- GROSVAL'D, M. G., and SUKHODROVSKIY, V. L. Some results of glaciological investigations on the territory of the U.S.S.R. according to the I.G.Y. program. *Translations of various articles appearing in Opisaniye ob'yektov glyatsiologicheskikh issledovaniy, provedennykh po programme Mezhdunarodnogo Geofizicheskogo Goda na territorii Sovetskogo Soyuza* (Description of subjects of glaciological investigations conducted on the territory of the Soviet Union under the I.G.Y. program), Moscow, 1958, p. 4-18, 19-41, 42-56, 139-160. Washington, D.C., U.S. Department of Commerce, 1960, 60 p.
- HAEFELI, R. Kommentar, Spezifikation und Ergänzungen zum generellen Arbeitsprogramm von 25. September 1963 für die 2. Expedition 1966. *Bulletin de l'Association Internationale d'Hydrologie Scientifique*, 9e An., No. 3, 1964, p. 5-11. [Aims, supplies, budget etc. and programme of work from 25 Sept. 1963 for 2nd international glaciological expedition to Greenland 1966.]
- HOFMANN, W. Richard Finsterwalder und die Alpenvereinskartographie. *Jahrbuch des Österreichischen Alpenvereins*, Bd. 89, 1964, p. 132-37. [Description of Finsterwalder's many-sided interests and work in the mountains.]
- LORIUS, C. Contribution à la connaissance de l'Antarctique: glaciologie en Terre Adélie (1956-1959). *Année Géophysique Internationale. Participation Française*, Sér. 9, Fasc. 1, 1964, 101 p. [Analysis of glaciological observations in Terre Adélie 1956-59 during French I.G.Y. expeditions.]
- PRIESTLEY, Sir R. E., and others, ed. *Antarctic research: a review of British scientific achievement in Antarctica*. Edited by Sir R. [E.] Priestley, R. J. Adie, G. de Q. Robin. London, Butterworths, 1964, xii, 360 p. [Contents include: Sir R. [E.] Priestley, "The background", p. 1-15; Sir V. [E.] Fuchs, "Polar travel", p. 16-27; D. L. Linton, "Landscape evolution", p. 85-99; G. de Q. Robin and R. J. Adie, "The ice cover", p. 100-17; R. J. Adie, "Geological history", p. 118-62; G. de Q. Robin, "International co-operation and geophysics", p. 254-64; H. H. Lamb, "Circulation of the atmosphere", p. 265-77; H. H. Lamb, "The climate", p. 278-91; G. E. R. Deacon, "The Southern Ocean", p. 292-307; J. A. Heap, "Pack ice", p. 308-17.]
- ROBERTS, B. B. *Gazetteer of the British Antarctic Territory, South Georgia and the South Sandwich Islands. First supplement to first edition*. London, H.M. Stationery Office, 1964, 4 p. [196 new names with alterations and corrections.]
- RUTSCH, R. F. Grindelwald, Wiege der experimentellen Gletscherforschung. *Les Alpes. Revue du Club Alpin Suisse*, 38e An., 1er Trimestre, 1962, p. 49-50.
- SHIH YA-FENG and CHI Tzu-HSIU. Scientists study Mount Shisha Pangma. *China Reconstructs*, Vol. 14, No. 3, 1965, p. 19-23. [One of the centres of present glaciation in the Himalaya.]
- TROLL, C. Richard Finsterwalder's Lebenswerk und die geographische Hochgebirgsforschung. *Allgemeine Vermessungsnachrichten*, Jahrg. 71, Ht. 11, 1964, p. 398-404. [Account of Richard Finsterwalder's work and his geographical researches in the high mountains of the world.]
- YOSHIDA, A., and SUZUKI, T. Map compilation for coastal region between 37° and 45° E. *Antarctic Record* (Tokyo), No. 23, 1964, p. 32-41. [Compilation of 8 colour maps scale 1: 250,000 of "Lützow-Holm Bay" and "Prince Olav Coast", Dronning Maud Land. In Japanese with English abstract and captions.]

GLACIOLOGICAL INSTRUMENTS AND METHODS

- BOGORODSKIY, V. V. Sovremennyye fizicheskiye sposoby izmereniya tolshchiny morskikh l'dov [Modern physical methods of measuring the thickness of sea ice]. *Okeanologiya* [Oceanography], Tom 3, Vyp. 4, 1963, p. 720-30. [Electric, ultrasonic and electromagnetic close-contact methods; seismic-acoustic and electromagnetic remote methods discussed and compared.]
- BUCK, B. M. Ice drilling in Fletcher's Ice Island (T-3) with a portable mechanical drill. *Arctic*, Vol. 18, No. 1, 1965, p. 51-54.
- CHEREMNYKH, G. D. Novoye v izmerenii skorostey dvizheniya l'da v poverkhnostnykh chastyakh lednikov po materialam aeros'yemki [New developments in the measurement of the rate of movement of ice in the surface parts of glaciers as shown by aerial photography]. *Geodeziya i Aerofotos'yemka*, No. 5, 1962, p. 111-15. [Discussion of techniques and accuracy. English translation, *Geodesy and Aerophotography*, No. 5, 1962 [pub. 1963], p. 342-44.]

- KONVALOV, V. G. A method of measuring ablation of a glacier. *Soviet Hydrology. Selected Papers*, 1963, No. 2, p. 201-04. [Method based on collecting melt water from sample area.]
- LANGWAY, C. C. jr., and others. Sampling Polar ice for radiocarbon dating, [by] C. C. Langway, Jr., Hans Oeschger, Bernhard Alder [and] André Renaud. *Nature*, Vol. 206, No. 4983, 1965, p. 500-01. [Letter. Joint research by U.S. Cold Regions Research and Engineering Laboratory, Swiss Gletscherkommission and Universität Bern, using a highly sensitive low-level counting device.]
- MCLERRAN, J. H. Airborne crevasse detection. *Proceedings of the third symposium on remote sensing of environment*, 14, 15, 16 October 1964 (Ann Arbor, University of Michigan. Institute of Science and Technology), 1965, p. 801-02. [Feasibility of aerial detection of snow-bridged crevasses by infrared sensing.]
- MCLERRAN, J. H. Infrared sea ice reconnaissance. *Proceedings of the third symposium on remote sensing of environment*, 14, 15, 16 October 1964 (Ann Arbor, University of Michigan. Institute of Science and Technology), 1965, p. 789-99. [Interpretation of illustrations of infra-red images of sea ice; applications and limitations discussed briefly.]
- NEZAMI, M., and others. Mesure du taux d'accumulation de la neige au bord du continent antarctique par la méthode du plomb 210, par M. Nezami, G. Lambert, C. Lorius et J. Labeyrie. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* (Paris), Tom. 259, No. 19, 1964, p. 3319-22. [Measurement of rate of accumulation of snow in Terre Adélie by means of ^{210}Pb .]
- RINKER, J. N. Radio echo sounding and strain rate measurement in the ice sheet of north-west Greenland: 1964. *Polar Record*, Vol. 12, No. 79, 1965, p. 403-05. [Results of measurements briefly reported. Future use of ice depth determination by radar discussed.]
- SAVEL'YEV, B. A. *Rukovodstvo po izucheniyu svoystv l'da* [Handbook on study of ice properties]. Moscow, Izdatel'stvo Moskovskogo Universiteta [Publishing House of Moscow University], 1963. 198 p. [Properties of ice and how to determine them in laboratory and field.]
- SHVAYSHTEYN, Z. I. Poluprovnikovyy solemeter dlya izmereniya solenosti morskogo l'da [Transistorised salinity-meter for measuring the salinity of sea ice]. *Problemy Arktiki i Antarktiki* [Problems of the Arctic and Antarctic], Vyp. 15, 1964, p. 85-87.

PHYSICS OF ICE

- BARNES, G. T., and others. Ice forming activity and the surface properties of nucleating materials, [by] G. T. Barnes, U. Katz and R. Sänger. *Zeitschrift für angewandte Mathematik und Physik*, Vol. 13, Fasc. 1, 1962, p. 76-80. [Theoretical study of physics of nucleation.]
- BENNETT, J. E., and others. Electron spin resonance spectra of hydrated electrons prepared by reaction of atomic sodium with ice at 77°K, [by] J. E. Bennett, B. Mile [and] A. Thomas. *Nature*, Vol. 201, No. 4922, 1964, p. 919-20. [Letter. Results allow state of this defect in ice to be analysed.]
- BERTIE, J. E., and WHALLEY, E. Infrared spectra of ices Ih and Ic in the range 4000 to 350 cm^{-1} . *Journal of Chemical Physics*, Vol. 40, No. 6, 1964, p. 1637-45. [Observations and discussion. No detectable difference between hexagonal and cubic ice.]
- BERTIE, J. E., and WHALLEY, E. Infrared spectra of ices II, III and V in the range 4000 to 350 cm^{-1} . *Journal of Chemical Physics*, Vol. 40, No. 6, 1964, p. 1646-59. [Observations and interpretation in terms of structure.]
- BERTIE, J. E., and others. Transformations of ice II, ice III, and ice V at atmospheric pressure, [by] J. E. Bertie, L. D. Calvert and E. Whalley. *Journal of Chemical Physics*, Vol. 38, No. 4, 1963, p. 840-46. [All these high-pressure phases transform first to cubic ice on heating from liquid nitrogen temperature.]
- BIGG, E. K., and MILES, G. T. The results of large-scale measurements of natural ice nuclei. *Journal of the Atmospheric Sciences*, Vol. 21, No. 4, 1964, p. 396-403. [Australian data used to show probable extra-terrestrial source of many nuclei.]
- BLICKS, H., and others. Zur Verteilung von Fremdstoffen in Eis-Einkristallen, von H. Blicks, H. Egger und N. Riehl. *Physik der kondensierten Materie*, Bd. 2, Ht. 5, 1964, p. 419-22. [Study of radial distribution of HF and NH_4F in ice grown from dilute solutions.]
- CAMP, P. R., and BARTER, C. F. An electrical effect on the growth of ice crystals. *Nature*, Vol. 200, No. 4904, 1963, p. 350-51. [Letter. Presence of electric field affects grain size and shape of ice frozen from water.]
- CAMP, P. R., and BARTER, C. F. Rate of growth of ice at an aluminium-water interface. *Nature*, Vol. 206, No. 4983, 1965, p. 495-97. [Letter. At least two different modes of growth occurred depending on the amount of supercooling and the manner of nucleation.]
- CHILD, W. C., jr. Thermodynamic functions for metastable ice structures I and II. *Journal of Physical Chemistry*, Vol. 68, No. 7, 1964, p. 1834-38. [Reanalysis of data on free energies.]
- DEAN, J. W., and TIMMERHAUS, K. D. Thermal conductivity of solid H_2O and D_2O at low temperatures. *Advances in Cryogenic Engineering*, Vol. 8, 1962, p. 263-67. [Measurements at liquid hydrogen and liquid nitrogen temperatures.]
- DENGEL, O., and RIEHL, N. Diffusion von Protonen (Tritonen) in Eiskristallen. *Physik der kondensierten Materie*, Bd. 1, Ht. 3, 1963, p. 191-96. [Diffusion of ^3H in ice measured. Activation energy consistent with that for dielectric and mechanical relaxation.]
- DENGEL, O., and others. Ferroelectric behaviour of ice, [by] O. Dengel, U. Eckener, H. Plitz and N. Riehl. *Physics Letters*, Vol. 9, No. 4, 1964, p. 291-94. [Ferroelectricity observed below 100°K. provided water from which ice was made was not extremely pure.]
- DI MARZIO, E. A., and STILLINGER, F. H., jr. Residual entropy of ice. *Journal of Chemical Physics*, Vol. 40, No. 6, 1964, p. 1577-81. [Calculation.]
- DINGER, J. E. Electrification accompanying melting of ice and snow. *Quarterly Journal of the Royal Meteorological Society*, Vol. 90, No. 384, 1964, p. 208-09. [Correspondence relating to use of artificially made snow arising out of article by J. B. Matthews and B. J. Mason, *ibid.*, Vol. 89, No. 381, 1963, p. 376-80. Reply by Mason and Matthews, p. 208-09.]

- DOOLEY, D. Observations on the deformation of ice at low stresses. *Ohio State University. Institute of Polar Studies. Report No. 12, 1964*, [ii, 16] p. [Single crystals and polycrystalline ice.]
- EISENBERG, D., and COULSON, C. A. Energy of formation of D-defects in ice. *Nature*, Vol. 199, No. 4891, 1963, p. 368-69. [Comparison of total energies of formation of D- and X-defects.]
- GIGUÈRE, P. A., and ARRAUDEAU, J. P. Spectres d'absorption de trois formes allotropiques de la glace dans l'infrarouge lointain. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences (Paris)*, Tom. 257, No. 10, 1963, p. 1692-94. [Similarities in far infra-red absorption spectra of vitreous, cubic and hexagonal ice.]
- GRÄNICHNER, C. Properties and lattice imperfections of ice crystals and the behaviour of H₂O-HF solid solutions. *Physik der kondensierten Materie*, Bd. 1, Ht. 1, 1963, p. 1-12. [A review article dealing with electrical, acoustic and nuclear magnetic resonance properties of ice and their interpretation.]
- HAAS, C. On diffusion, relaxation and defects in ice. *Physics Letters*, Vol. 3, No. 3, 1962, p. 126-28. [Suggests mechanism for electrical and mechanical relaxation and diffusion of oxygen in ice.]
- HARRISON, J. D. Solute transpiration pores in ice. *Journal of Applied Physics*, Vol. 36, No. 1, 1965, p. 326-27. [Letter. Observation of pores developed when freezing solutions and theory of their formation.]
- HAYES, C. E., and WEBB, W. W. Dislocations in ice. *Science*, Vol. 147, No. 3653, 1965, p. 44-45. [X-ray diffraction topography shows Burgers vectors of slip dislocations to have $\langle 11\bar{2}0 \rangle$ directions.]
- HEINMETS, F., and BLUM, R. Conductivity measurements on pure ice. *Transactions of the Faraday Society*, Vol. 59, No. 5, 1963, p. 1141-46. [Results give activation energy of 24.2 kcal. for proton transfer.]
- HIGASHI, A., and others. Plastic yielding in ice single crystals, [by] A. Higashi, S. Koinuma and S. Mac. *Japanese Journal of Applied Physics*, Vol. 3, No. 10, 1964, p. 610-16. [Constant strain-rate tests. No work hardening found. Activation energy consistent with Johnston's dislocation theory.]
- HOLLINS, G. T. Configurational statistics and the dielectric constant of ice. *Proceedings of the Physical Society*, Vol. 84, Pt. 6, 1964, p. 1001-16. [Theoretical study.]
- ITAGAKI, K. Self-diffusion in single crystals of ice. *Journal of the Physical Society of Japan*, Vol. 19, No. 6, 1964, p. 1081. [Measurements of activation energy and of D_0 . Time variation found and discussed. No anisotropy observed.]
- JACCARD, C. Thermodynamics of irreversible processes applied to ice. *Physik der kondensierten Materie*, Bd. 3, Ht. 2, 1964, p. 99-118. [Calculation of entropy production and resulting thermoelectric effects.]
- JACCARD, C. Thermoelectric effects in ice crystals. I. Theory of the steady state. *Physik der kondensierten Materie*, Bd. 1, Ht. 2, 1963, p. 143-51. [Theory starting from equations for ice defects.]
- JACKSON, J. A., and RABIDEAU, S. W. Deuteron magnetic resonance in polycrystalline heavy ice (D₂O). *Journal of Chemical Physics*, Vol. 41, No. 12, 1964, p. 4008. [Letter. Measurements reported and discussed.]
- JOSS, J., and LIST, R. Zur Radarrückstrahlung von Eis-Wasser-Germischen. *Zeitschrift für angewandte Mathematik und Physik*, Vol. 14, Fasc. 4, 1963, p. 377-80. [Radar experiments on back-scattering of spherical ice particle.]
- KAMB, W. B. Ice II: a proton-ordered form of ice. *Acta Crystallographica*, Vol. 17, Pt. 11, 1964, p. 1437-49. [X-ray structure determination and discussion.]
- KAMB, W. B., and DAVIS, B. L. Ice VII, the densest form of ice. *Proceedings of the National Academy of Sciences of the United States of America*, Vol. 52, No. 6, 1964, p. 1433-39. [X-ray structure determination shows ice VII to have body-centred cubic structure.]
- KEVAN, L., and others. Formation of electrons and of atomic hydrogen in γ -irradiated ice, by L. Kevan, P. N. Moorthy and J. J. Weiss. *Nature*, Vol. 199, No. 4894, 1963, p. 689-90.
- LARSSON, K. E., and DAHLBORG, U. Some vibrational properties of solid and liquid H₂O and D₂O derived from differential cross-section measurements. *Journal of Nuclear Energy, Parts A and B*, Vol. 16, No. 2, 1962, p. 81-89. [Neutron measurements used to deduce phonon frequency spectra.]
- LATHAM, J. The electrification of freezing water drops. *Quarterly Journal of the Royal Meteorological Society*, Vol. 90, No. 384, 1964, p. 209-11. [Correspondence arising out of article by D. G. Evans and W. C. A. Hutchinson, *ibid.*, Vol. 89, No. 381, 1963, p. 370-75. Reply by W. C. A. Hutchinson, p. 211.]
- LEVI, L., and others. Electrical conductivity and dissociation constants in ice doped with HF and NH₃ in different ratios, by L. Levi, O. Milman and E. Suraski. *Transactions of the Faraday Society*, Vol. 59, No. 9, 1963, p. 2064-75. [Measurements suggest lower conductivity and ion mobilities in pure ice than previously assumed.]
- LEVI, L., and others. Thermal etching on ice crystals, by L. Levi, S. M. de De Micheli and L. Lubart. *Physica Status Solidi*, Vol. 4, No. 1, 1964, p. 63-70. [Facets found in pure ice but not ice doped with NaCl.]
- McMILLAN, J. A., and LOS, S. C. Vitreous ice: irreversible transformations during warm-up. *Nature*, Vol. 206, No. 4986, 1965, p. 806-07. [Observation of glass transformation and of change to cubic and finally hexagonal ice and measurement of heats of transformation.]
- MAGNAN, D., and KAHANE, A. Conductivité de la glace aux basses températures. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences (Paris)*, Tom. 256, No. 26, 1963, p. 5539-41. [Electrical conductivity measurements at -80° to -120°C. and high fields indicate a space-charge-limited proton current.]
- ONSAGER, L., and RUNNELS, L. K. Mechanism for self-diffusion in ice. *Proceedings of the National Academy of Sciences of the United States of America*, Vol. 50, No. 2, 1963, p. 208-10. [Evidence for interstitial molecule mechanism.]
- PASCALAR, H. G., and SAKAMOTO, R. T. Microwave radiometric measurements of ice and water. *Proceedings of the third symposium on remote sensing of environment, 14, 15, 16 October 1964* (Ann Arbor, University of Michigan. Institute of Science and Technology), 1965, p. 803-11. [Description of an experiment of ice measurements with a passive microwave radiometer, equipment used and data obtained. Possible utility of microwave radiometry in various ice applications is indicated.]
- PISTORIUS, C. W. T., and others. Melting curve of ice VII to 200 kbar, [by] C. W. T. Pistorius, M. C. Pistorius, J. P. Blakey and L. J. Admiraal. *Journal of Chemical Physics*, Vol. 38, No. 3, 1963, p. 600-02. [Follows melting curve up to 442°C.]

- RABIDEAU, S. W., and JACKSON, J. A. Low temperature observation of oxygen-17 NMR in H₂O, D₂O, and eutectic solutions. *Journal of Chemical Physics*, Vol. 41, No. 11, 1964, p. 3405-07. [No signals observed in pure solids.]
- SANO, I., and others. Adsorption studies on the mechanism of ice nucleation, [by] I. Sano, N. Fukuta, Y. Kojima [and] T. Murai. *Journal of the Meteorological Society of Japan*, Ser. 2, Vol. 41, No. 4, 1963, p. 189-96. [Relation between adsorption measurements and nucleation.]
- SITHARAMARAO, D. N., and DUNCAN, J. F. Molecular excitation of water by γ -irradiation. *Journal of Physical Chemistry*, Vol. 67, No. 10, 1963, p. 2126-32. [Study of thermoluminescence and fluorescence of γ -irradiated ice.]
- TAYLOR, M. J., and WHALLEY, E. Raman spectra of ices Ih, Ic, II, III, and V. *Journal of Chemical Physics*, Vol. 40, No. 6, 1964, p. 1660-64. [Observations and discussion.]
- TOWNSEND, A. A. Natural convection in water over an ice surface. *Quarterly Journal of the Royal Meteorological Society*, Vol. 90, No. 385, 1964, p. 248-59; Vol. 91, No. 388, 1965, p. 243-45. [Laboratory observation of motions set up in water with upper surface at 25°C. and bottom surface of ice. Discussion printed in later issue.]
- WALDSTEIN, P., and others. Nuclear magnetic resonance of single crystals of D₂O ice, by P. Waldstein, S. W. Rabideau and J. A. Jackson. *Journal of Chemical Physics*, Vol. 41, No. 11, 1964, p. 3407-11. [Measurements of deuteron magnetic resonance used to estimate hydrogen-bond energies.]

LAND ICE. GLACIERS. ICE SHELVES

- AITKENHEAD, N. Ice calderas. *British Antarctic Survey Bulletin*, Vol. 1, No. 5, 1965, p. 63-64. [Letter. Suggestions regarding nomenclature; see also Stokes, J., below.]
- ALIVERTI, G. Glaciologia. *Bollettino del Comitato Glaciologico Italiano*, 2 Ser., No. 11, Pt. 1, 1962, [pub.] 1964, supplement, 50 p. [Account of glaciers, their structure and flow, and of current theories.]
- ANDREWS, J. T., and WEBBER, P. J. A lichenometrical study of the northwestern margin of the Barnes Ice Cap: a geomorphological technique. *Geographical Bulletin* (Ottawa), No. 22, 1964, p. 80-104. [Use to date moraines back to 1680.]
- ANGINO, E. E., and others. Ionic content of Antarctic ice samples, by E. E. Angino, K. B. Armitage and J. C. Tash. *Polar Record*, Vol. 12, No. 79, 1965, p. 407-09. [Results of analysis of chemical composition of samples of glacier ice, melt water and lake water.]
- ARDUS, D. A. Morphology and regime of the Brunt Ice Shelf and the adjacent inland ice, 1960-61. *British Antarctic Survey Bulletin*, No. 5, 1965, p. 13-42. [At present the glacierization of the area appears to be in equilibrium. Precipitation is discussed.]
- ASTORI, V., and TOGLIATTI, G. Il rilievo areofotogrammetrico del Ghiacciaio Pian di Neve. *Bollettino del Comitato Glaciologico Italiano*, 2 Ser., No. 11, Pt. 1, 1962, [pub.] 1964, p. 33-50. [Survey, plotting and drawing of map, scale 1:5,000, of Ghiacciaio Pian di Neve in the massif of Adamello.]
- BARDIN, V. I. Oledeniye Zemli Korolevy Mod [Glacierization of Dronning Maud Land]. *Rezultaty Issledovaniy po Programme Mezhdunarodnogo Geofizicheskogo Goda. Glyatsiologiya. IX Razdel Programmy MGG* [Results of Investigations in the Programme of the International Geophysical Year. *Glaciology. IX Section of Programme for the I.G.Y.*], No. 13, 1964, p. 19-25.
- BLACK, R. F., and others. Saline discharge from Taylor Glacier, Victoria Land, Antarctica, [by] R. F. Black, M. L. Jackson and T. E. Berg. *Journal of Geology*, Vol. 73, No. 1, 1965, p. 175-81. [Analysis and discussion of origin.]
- BUYNITSKIY, V. KH. Dvizheniye i balans massy shel'fovyykh P'dov Antarktiki [Movement and mass balance of Antarctic ice shelves]. *Vestnik Leningradskogo Universiteta* [Messenger of Leningrad University], 1964, No. 6, p. 57-72.
- CARABELLI, E. Esplorazione geofisica al Ghiacciaio del Careser. *Bollettino del Comitato Glaciologico Italiano*, 2 Ser., No. 11, Pt. 1, 1962, [pub.] 1964, p. 61-68. [Geophysical examination of Ghiacciaio del Careser, including exploration of ice thickness.]
- CARABELLI, E. Misure sismiche di spessore del Ghiacciaio del Pian di Neve (Adamello). *Bollettino del Comitato Glaciologico Italiano*, 2 Ser., No. 11, Pt. 1, 1962, [pub.] 1964, p. 51-60. [Seismic measurements of ice depth of Ghiacciaio Pian di Neve.]
- CHIZHOV, O. P. Pitaniye osadkami i tayaniye lednikovyykh pokrovov severo-vostochnoy Atlantiki v sovremennykh klimaticheskikh usloviyakh [Nourishment and melting of ice caps of the north-east Atlantic in present climatic conditions]. *Rezultaty Issledovaniy po Programme Mezhdunarodnogo Geofizicheskogo Goda. Glyatsiologiya. IX Razdel Programmy MGG* [Results of Investigations in the Programme of the International Geophysical Year. *Glaciology. IX Section of Programme for the I.G.Y.*], No. 13, 1964, p. 30-38. [Mass balance of glaciers in Svalbard, Novaya Zemlya, Zemlya Frantsa-Iosifa and Severnaya Zemlya.]
- CHUCHKALOV, B. S. The causes for movements of the Medvezhiy glacier. *Soviet Hydrology. Selected Papers*, 1963, No. 5, p. 522-24. [Report of sudden advance and its explanation.]
- CORBEL, J., and LADURIE, E. LE R. Datation au C14 d'une moraine du Mont Blanc. *Revue de Géographie Alpine*, Vol. 51, No. 1, 1963, p. 173-75. [Results imply seventeenth century advance.]
- CRARY, A. P. Results of United States traverses in East Antarctica, 1958-1961. *IGY Glaciological Report* (New York), No. 7, 1963, xiv, 144 p. [Elevations and deduced ice flow, ice thickness, accumulation, in sector between Ross Ice Shelf and long. 120° E.]
- DOLGUSHIN, L. D., and others. Nedavneye nastupleniye Lednika Medvezh'yego [The recent advance of the Medvezhiy glacier], [by] L. D. Dolgushin, S. A. Yevteyev, A. N. Krenke, K. G. Rototayev [and] N. M. Svatkov. *Priroda* [Nature], 1963, No. 11, p. 85-92. [Enormous occasional speed of flow is thought to be due to decrease of bottom friction when the temperature rises above 0°C. English translation: *Canada. Defence Research Board. Report No. T409 R*, 1964.]

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