

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 Geographical 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.

In this list, to avoid repetition, the references to papers in the proceedings of two recent conferences have been abbreviated. The full references to both publications are given in the section CONFERENCES below.

CONFERENCES

- KINGERY, W. D., ed. *Ice and snow; properties, processes, and applications: proceedings of a conference held at the Massachusetts Institute of Technology, February 12-16, 1962*. Cambridge, Mass., The M.I.T. Press, 1963. xv, 684 p. \$16. [For details of some of papers presented, see elsewhere in this list.]
- [UNION GÉODÉSIQUE ET GÉOPHYSIQUE INTERNATIONALE.] *Union Géodésique et Géophysique Internationale. Association Internationale d'Hydrologie Scientifique. Assemblée générale de Berkeley, 19-8—31-8 1963. Commission des Neiges et des Glaces*. Gentbrugge, Association Internationale d'Hydrologie Scientifique, 1963. 286 p. Bel. fr. 300. (Publication No. 61 de l'Association Internationale d'Hydrologie Scientifique.) [For details of papers presented, see elsewhere in this list.]

GENERAL GLACIOLOGY

- FRÉON, A., and others. Premier aperçu sur les travaux scientifiques de la campagne d'été 1961-1962 aux Îles Kerguelen, par A. Fréon, R. Schlich, A. Bauer et H. Guichard. *TAAF (Territoire des Terres Australes et Antarctiques Françaises)*, No. 18, 1962, p. 14-40. [Includes section on glaciology of Kerguelen by A. Bauer.]
- [GLACIOLOGY: BIBLIOGRAPHY.] *Katalogo dannykh i publikatsiy po Arktike i Antarktike [Catalogue of data and publications on the Arctic and Antarctic]*. Moscow, Mirovoy Tsentri Dannyykh B [World Data Centre B], 1962. 209 p. [Covers I.G.Y. period.]
- PILLEWIZER, W. Deutsche Spitzbergenexpedition 1962. *Petermanns Geographische Mitteilungen*, Jahrg. 106, Ht. 4, 1962, p. 286. [Glaciological expedition to Kongsfjord region, Vestspitsbergen, in 1962, sponsored by Nationalkomitee für Geodäsie und Geophysik, Deutsche Akademie der Wissenschaften zu Berlin.]
- WEXLER, H., and others, ed. Antarctic research; the Matthew Fontaine Maury memorial symposium. Papers presented at the tenth Pacific Science Congress of the Pacific Science Association, held at the University of Hawaii . . . August 21 to September 6, 1961, and sponsored by the National Academy of Sciences, the Bernice Pauahi Bishop Museum and the University of Hawaii [edited by] H. Wexler, M. J. Rubin and J. E. Caskey, Jr. *American Geophysical Union. Geophysical Monograph No. 7*, 1962, x, 228 p. [Includes glaciology.]

GLACIOLOGICAL INSTRUMENTS AND METHODS

- BULL, C. Measurement of the surface velocity of inland parts of the Antarctic Ice Sheet by an aerial triangulation method. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces*, 1963, p. 144-46. [Method based on aerial photogrammetry of markers, now being used near "Byrd" station.]
- CAISLEY, B., and others. Measurement of profiles of wind speed, temperature and vapour pressure near to the ground, by B. Caisley, H. Lister and L. Molyneux. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces*, 1963, p. 37-48. [Use of "Sensitors" to construct temperature, humidity and wind-profile gauges.]
- DANFORS, E., and others. Notes on glaciological activities in Kebnekajse, Sweden—1962. Application of the neutron scattering method for measuring snow density, by E. Danfors, Å. Fleetwood and V. Schytt. *Geografiska Annaler*, Årg. 44, Ht. 3-4, 1962, p. 409-11. [Tests on Storglaciären. Apparatus described.]
- LISTOV, A. N. Pribor dlya izmereniya modulye uprugosti ledyanogo pokrova seysmicheskim metodom [Instrument for measuring the modulus of elasticity of ice cover by a seismic method]. *Problemy Arktiki i Antarktiki [Problems of the Arctic and Antarctic]*, Vyp. 10, 1962, p. 91-92. [Floating ice.]
- LLIBOUTRY, L., and BREPSON, R. Le viscosimètre à glace de Grenoble. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces*, 1963, p. 138-43. [Machine to investigate slip of ice on rough bed in the laboratory.]
- MOCK, S. J. Tellurometer traverse for a surface movement survey in N. Greenland. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces*, 1963, p. 147-53. [Method and report of first survey of beacons through Camp Century.]
- TANGBORN, W. V. Instrumentation of a high altitude glacier basin to obtain continuous records for water budgets. A preliminary report. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces*, 1963, p. 131-37. [Descriptions of methods used on South Cascade Glacier, Washington, to measure precipitation and runoff.]
- WARD, W. H. A glacier wheel for measuring slip at the bed of a glacier. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces*, 1963, p. 219-23. [Description of instrument and of its use near snout of Austerdalsbreen, Norway.]

PHYSICS OF ICE

- ANDERSON, D. L. Use of long-period surface waves for determination of elastic and petrological properties of ice masses. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 63-68.) [Method based on measurement of wave velocity as a function of frequency.]
- BAXTER, D. C. The fusion times of slabs and cylinders. *Transactions of the American Society of Mechanical Engineers*, Ser. C, Vol. 84, No. 4, 1962, p. 317-26. [Computation of time required to melt or freeze a slab.]
- GLEN, J. W. The rheology of ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 3-7.) [Short review of mechanical properties of ice.]
- GOLD, L. W. Deformation mechanisms in ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 8-27.) [Direct microscopical observation of various mechanisms in polycrystalline ice.]
- HARRISON, J. D., and TILLER, W. A. Controlled freezing of water. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 215-25.) [Detailed study of ice-water interface on freezing of sea-water and other aqueous systems.]
- KATZ, U. Wolkenkammeruntersuchungen der Eiskeimbildungsaktivität einiger ausgewählter Stoffe. *Zeitschrift für angewandte Mathematik und Physik*, Bd. 13, Ht. 4, 1962, p. 333-58. [Detailed study of ice-forming ability of various aerosol nuclei.]
- KINGERY, W. D., and COBLE, R. L. Ice reinforcement. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 130-48.) [Possibility of improving tensile properties of ice by freezing in of fibres.]
- KUROIWA, D., and HAMILTON, W. L. Studies of ice etching and dislocation etch pits. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 34-55.) [Observations of etch pits and interpretation in terms of dislocations and their movement in the ice.]
- PICCIOTTO, E., and others. Radioactivité de l'air dans l'Antarctique en 1958 et profil radioactif entre 60° N. et 70° S., par E. Picciotto, S. Wilgain, P. Kipfer, R. Boulenger. (*In* *Radioisotopes in the physical sciences and industry*. Vienna, International Atomic Energy Agency, 1962, Vol. 1, p. 45-56.) [Use of radioactive elements to date layers in firn and ice, and to give data on atmospheric circulation.]
- POUNDER, E. R. Crystal growth rates as a function of orientation. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 226-31.) [Experiments yield somewhat inconsistent results.]
- WEERTSMAN, J. The Eshelby-Schoeck viscous dislocation damping mechanism applied to the steady-state creep of ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 28-33.) [Molecular mechanisms to account for the creep behaviour of ice.]

LAND ICE. GLACIERS. ICE SHELVES

- AMBACH, W., and HOINKES, H. C. The heat balance of an Alpine snowfield (Kesselwandferner, 3240 m., Ötztal Alps, August 11-Sept. 8, 1958). Preliminary communication. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 24-36. [Radiation, wind and ablation and deduction of heat balance, comparison with melting taking into account water content of surface layers.]
- BEHRENDT, J. C., and PARKS, P. E., jr. Antarctic peninsula traverse. *Science*, Vol. 137, No. 3530, 1962, p. 601-2. [Outline of glaciological and geological findings of 1,700 km. traverse south of Bellingshausen Sea and George VI Sound, November 1961-February 1962. Seismic soundings show Graham Land to be an island separated from Sentinel Mountains by area below sea-level.]
- BENTLEY, C. R., and GIOVINETTO, M. B. Ice-flow studies on the ice dome of Roosevelt Island, Antarctica. *Transactions. American Geophysical Union*, Vol. 43, No. 3, 1962, p. 369-72; *IG Bulletin* (Washington, D.C.), No. 62, 1962, p. 1-4. [McMurdo Sound region, since 1961.]
- BOGOSLOVSKIY, V. N. Nestatsionarnyy dinamicheskii i temperaturnyy rezhim antarkticheskogo lednika [Unstationary dynamic and thermal regime of the Antarctic Ice Sheet]. *Materiyaly Glyatsiologicheskikh Issledovaniy. Khronika. Obsuzhdeniya* [Glaciological Observations. Chronicle. Discussion], No. 6, 1962, p. 42-51. [Mass and energy balance, and flow problems.]
- BOGOSLOVSKIY, V. N. New results of temperature fields calculation of an Antarctic glacier. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 167. [Calculation using analogue computer. Abstract only.]
- BOSE, S. K. On the large oscillations observed in Antarctic ice explorations. *Acta Geophysica Polonica*, Vol. 10, No. 2, 1962, p. 87-99. [Suggested explanation of prolonged seismic surface waves.]
- DUBROVIN, L. I. O rassolakh v shel'fovykh lednikakh [Brine in ice shelves]. *Informatsionnyy Byulleten' Sovetskoy Antarkticheskoy Ekspeditsii* [Information Bulletin of the Soviet Antarctic Expedition], No. 35, 1962, p. 35-38. [Analysis of brine found at 41 m. depth in ice shelf near "Lazarev", Dronning Maud Land.]
- ECKERBLOM, E., and PALOSUO, E. A study of ice crystals at Storgläciären, Kebnekajse. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 56-62.) [Measurement of area, volume and bubble content at various points along the length of the glacier.]
- GEORGI, H.-W., and WEBER, E. *The concentration of chemical traces in glacier-ice. Pt. I.* Frankfurt a.M., Johann Wolfgang Goethe-Universität, Institut für Meteorologie und Geophysik, 1962. 8 p. [Chemical analyses of ice samples from Austrian glacier and Arctic island.]
- GIESE, P. Some results of seismic refraction work at the Gepatsch glacier in the Ötztal Alps. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 154-61. [Measurement of thickness of ice and ground moraine of Gepatschferner. Includes study of velocity in "ground moraine" layer at bottom of glacier.]
- Gow, A. J. The inner structure of the Ross Ice Shelf at Little America V, Antarctica, as revealed by deep core drilling. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 272-84. [Results from core right through Ross Ice Shelf.]

- GROSVAL'D, M. G., and KORYAKIN, V. S. Proryvy lednikovo-podprudnykh ozer v sovetskoy Arktike [Jökullhlaups in the Soviet Arctic]. *Materialy Glyatsiologicheskikh Issledovaniy. Khronika. Obsuzhdeniya* [Glaciological Observations. Chronicle. Discussion], No. 6, 1962, p. 130-32. [Examples quoted of sudden emptying of glacial lakes.]
- HAEFFELI, R. A numerical and experimental method for determining ice motion in the central parts of ice sheets. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 253-60.* [Kinematic model used to deduce seasonal layer thickness and travel times in ice sheets.]
- HAEFFELI, R. Observations in ice tunnels and the flow law of ice. (In Kingery, W. D., ed. *Ice and snow . . .* Cambridge, Mass., The M.I.T. Press, 1963, p. 162-86.) [Observations in the tunnels beneath Jungfrauoch Eiskalotte.]
- HERBERT, W. W. The Axel Heiberg Glacier. *New Zealand Journal of Geology and Geophysics*, Vol. 5, No. 5, 1962, p. 681-706. [Description of Antarctic glacier. Impressions of Amundsen's route of 1911-12 by leader of New Zealand Geological and Survey Expedition 1961-62.]
- ISHIDA, T. Yamata sammyaku chōsa ryokō no toji ni okeru jinkō chishin tansa [Seismic observations of the Yamato mountains traversing trip]. *Antarctic Record*, No. 14, 1962, p. 36-43. [Results of Antarctic traverse giving depth profiles.]
- KAMB, W. B., and LACHAPPELLE, E. R. Direct observation of the mechanism of basal slip in a temperate glacier. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 224.* [Detailed study of ice structure showing "regelation" past obstacles at bed of glacier. Abstract only.]
- KAPITSA, A. P., and SOROKHTIN, O. G. On errors in interpretation of reflection seismic shooting in the Antarctic. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 162-64.* [Comparison of records at Vostok and South Pole; best shooting methods to obtain clear reflections.]
- KORYAKIN, V. S. Osobennosti dvizheniya l'da i morfologii pokrovnogo oledeniya Novoy Zemli [Features of ice movement and morphology of the Novaya Zemlya ice cap]. *Materialy Glyatsiologicheskikh Issledovaniy. Khronika. Obsuzhdeniya* [Glaciological Observations. Chronicle. Discussion], No. 6, 1962, p. 61-68. [Observations near Russkaya Gavan' during I.G.Y.]
- KOTLYAKOV, V. M. Izmeneniye akkumulyatsii snega v Antarktide za posledniye desyatletiya [Change in snow accumulation in Antarctica in recent decades]. *Informatsionnyy Byulleten' Sovetskoy Antarkticheskoy Ekspeditsii* [Information Bulletin of the Soviet Antarctic Expedition], No. 35, 1962, p. 18-22. [Comparison of rates at 6 stations.]
- LANGWAY, C. C., jr. Sampling for extra-terrestrial dust on the Greenland Ice Sheet. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 189-98.* [Results of observations on material condensed from snow at Camp Century.]
- LETTAU, H. H., and others. South Pole surface energy budget, by H. H. Lettau, P. C. Dalrymple and S. H. Wollaston. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 18-23.* [Measurements in 1958 of radiation, wind and temperature in the ice. Deduction of heat balance.]
- LLIBOUTRY, L. La régimé thermique de la base des calottes polaires. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 232-41.* [Theoretical calculation of thermal conditions at base of an ice sheet.]
- LORIUS, C. Considérations sur le bilan thermique à la Station Charcot (Antarctique). *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 7-17.* [Measurement of radiation, wind and temperature in the ice. Deduction of heat balance.]
- LORIUS, C., and MERLIVAT, L. Sur la caractérisation de la glace des inlandsis à partir de la teneur en deutérium. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences (Paris)*, Tom. 256, No. 2, 1963, p. 475-77. [Use of deuterium analysis to determine origin of ice around coast of Antarctica.]
- LOTZ, J. R., and SAGAR, R. B. Northern Ellesmere Island—An Arctic desert. *Geografiska Annaler*, Årg. 44, Ht. 3-4, 1962, p. 366-77. [Climate and its influence on typical glacier. Field studies on Gilman Glacier during Operation Hazen, 1957-58.]
- MARKOV, K. K. O dinamike antarkticheskogo lednikovogo pokrova [On the dynamics of Antarctic ice cover]. *Antarktika. Doklady Komissii 1961* [The Antarctic. Reports of the Commission, 1961], 1962, p. 134-52. [Mass balance problems.]
- MARKOV, K. K., and KAPITSA, A. P. Glyatsiologiya Antarktidi i voprosy paleoglyatsiologii [Glaciology of Antarctica and questions of palaeoglaciology]. *Antarktika. Doklady Komissii 1961* [The Antarctic. Reports of the Commission, 1961], 1962, p. 58-69. [Study of present Antarctic ice cover as aid to understanding glacial geology of regions elsewhere in the world now without ice.]
- MAYO, L., and PÉWÉ, T. L. Ablation and net total radiation, Gulkana Glacier, Alaska. (In Kingery, W. D., ed. *Ice and snow . . .* Cambridge, Mass., The M.I.T. Press, 1963, p. 633-43.) [Measurements showing that radiation is most important source of ablation.]
- MOUNIER, J. La tournée glaciologique 1961 dans les Pyrénées françaises et espagnoles. *Revue Géographique des Pyrénées et du Sud-Ouest*, Tom. 33, Fasc. 1, 1962, p. 113-20. [Report of excursion to small cirque glacier in the Pyrenees. Includes variation since 1914.]
- MÜLLER, F. Englacial temperature measurements on Axel Heiberg Island, Canadian Arctic Archipelago. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 168-80.* [Measurement of temperature profiles and their interpretation in terms of conductivity and melt water percolation.]
- NYE, J. F. Theory of glacier variations. (In Kingery, W. D., ed. *Ice and snow . . .* Cambridge, Mass., The M.I.T. Press, 1963, p. 151-61.) [Theory of response of glaciers to changes in regime, and deduction of past regime from advance and retreat data.]
- ORVIG, S., and MASON, R. W. Ice temperatures and heat flux, McCall Glacier, Alaska. *Union Géodésique . . . Berkeley, 1963. Commission des Neiges et des Glaces, 1963, p. 181-88.* [Measurement of temperatures of ice and use to determine heat flux to surface.]
- OSTENSO, N. A., and HOLMES, G. W. Gravimetric determinations of ice thickness of Jarvis Glacier, Alaska. *U.S. Geological Survey. Professional Paper 450-C*, 1962, p. 93-96.

- ROETHLISBERGER, H. Ultrasonic measurements of deformation around a rectangular ice tunnel. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 187–211.) [Measurements on tunnel beneath Greenland Ice Sheet.]
- SCHYTT, V. Notes on glaciological activities in Kebnekajse, Sweden—1962. Mass balance studies on Storglaciären during 1962. *Geografiska Annaler*, Årg. 44, Ht. 3–4, 1962, p. 407–09.
- SCHYTT, V. Notes on glaciological activities in Kebnekajse, Sweden—1962. A tunnel along the bottom of Isfallsglaciären. *Geografiska Annaler*, Årg. 44, Ht. 3–4, 1962, p. 411–12. [Observations in 60 m. long tunnel.]
- SHEARD, J. Glaciological research in Jan Mayen. *Exploration Review* (London, Imperial College Exploration Society), No. 3, 1962, p. 12–17.
- SHUMSKIY, P. A., and ZOTIKOV, I. A. On the bottom melting of the Antarctic ice shelves. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 225–31. [Calculation of thermal regime of ice sheet applied to Ross Ice Shelf.]
- VICKERS, W. W. Geochemical dating techniques applied to Antarctic snow samples. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 199–215. [Results of ^{90}Sr , deuterium and ^{18}O analyses in Antarctic.]
- VILBORG, L. Bidrag till kännedom om den recenta glaciationens utbredning i Sverige. *Ymer*, Årg. 82, Ht. 2, 1962, p. 81–107. [Inventory of glaciers in north Sweden (50 additions to V. Schytt's list in *Geografiska Annaler*, Årg. 41, Ht. 4, 1959, p. 213–27; now 287 in all). English summary.]
- VINOGRADOV, O. N., and GROSVAL'D, M. G. Dvizheniye i struktura lednikov Zemli Frantsa-Iosifa [Movement and structure of the glaciers of Zemlya Frantsa-Iosifa]. *Materialy Glyatsiologicheskikh Issledovaniy. Khronika. Obsuzhdeniya* [Glaciological Observations. Chronicle. Discussion], No. 6, 1962, p. 52–60. [Observations of Churlyanis ice cap, 1957–59.]
- VON BRUNN, V. Glaciology: provisional notes on the accumulation of snow at Norway Station, Antarctica, 1960. *News Letter of the Pretoria Weather Bureau*, No. 149, 1961, p. 119–22.
- WEERTMAN, J. Profile and heat balance at the bottom surface of an ice sheet fringed by mountain ranges. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 245–52. [Calculation of effect of fringing mountains with outlet glaciers through them on height at centre of ice sheet and on temperature of bed.]
- WILHELM, F. Beobachtungen über Geschwindigkeitsänderungen und Bewegungstypen beim Eismassentransport arktischer Gletscher. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 261–71. [Observations of transverse and longitudinal velocity profiles and time variations on Spitsbergen glaciers.]

ICEBERGS. SEA, RIVER AND LAKE ICE

- ADAMS, C. M., jr., and others. Field solidification and desalination of sea ice, by C. M. Adams, Jr., D. N. French and W. D. Kingery. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 277–88.) [Study of factors affecting rate of solidification of sea ice.]
- ASSUR, A. Breakup of pack-ice floes. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 335–47.) [Observations of very long, straight cracks which develop suddenly through pack ice and suggested explanation.]
- ASSUR, A., and WEEKS, W. F. Growth, structure, and strength of sea ice. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 95–108. [Theoretical considerations applied to deduce size and spacing of brine inclusions, and consequently strength.]
- BARDIN, V. I., and SHIL'NIKOV, V. I. Stok l'da s beregov Antarktidy [Flow of ice from the shores of Antarctica]. *Antarktika. Doklady Komissii 1961* [The Antarctic. Reports of the Commission, 1961], 1962, p. 41–57. [Estimated rate of calving of icebergs.]
- BENNINGTON, K. O. Some chemical composition studies on arctic sea ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 248–57.) [Analyses of samples from various depths.]
- BROWN, J. H. Elasticity and strength of sea ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 79–106.) [Measurement, and correlation with brine content.]
- GRAYSTONE, P., and LANGLEBEN, M. P. Ring tensile strength of sea ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 114–23.) [Results of tests near Fort Churchill, Manitoba.]
- HAMILTON, W., and others. Saline features of a small ice platform in Taylor Valley, Antarctica, by W. Hamilton, I. C. Frost and P. T. Hayes. *U.S. Geological Survey. Professional Paper 450-B*, 1962, p. 73–76. [Probably an ice delta formed by refreezing of melt water streams.]
- KINGERY, W. D., and FRENCH, D. N. Stress-rupture behavior of sea ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 124–29.) [Tests on delayed fracture under constant load.]
- KINGERY, W. D., and GOODNOW, W. H. Brine migration in salt ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 237–47.) [Laboratory studies show grain-boundary drainage to be the dominant mechanism.]
- KUPETSKIY, V. N. Statsionarnyye polyn'i v Belom more [Stationary polynias in the White Sea]. *Trudy Gosudarstvennogo Okeanograficheskogo Instituta* [Transactions of the State Oceanographical Institute], Vyp. 64, 1961, p. 78–92. [Distribution and origins of unfrozen water areas recurring in same place each year.]
- LANGLEBEN, M. P., and POUNDER, E. R. Elastic parameters of sea ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 69–78.) [Measurements of density, Poisson's ratio, and Young's modulus.]
- LEDENEV, V. G. K izucheniyyu vynosa aysbergov ot beregov Antarktidy [Study of the drift out of icebergs from the coast of Antarctica]. *Informatsionnyy Byulleten' Sovetskoy Antarkticheskoy Ekspeditsii* [Information Bulletin of the Soviet Antarctic Expedition], No. 35, 1962, p. 31–34. [Zones of high iceberg density distinguished on basis of counts by Soviet ships, 1955–62.]

- PALOSUO, E., and SIPPOLA, M. Crystal orientation in salt-water ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 232-36.) [Laboratory study of orientation and growth of ice formed on the top of salt solutions.]
- PEYTON, H. R. Some mechanical properties of sea ice. (*In* Kingery, W. D., ed. *Ice and snow* . . . Cambridge, Mass., The M.I.T. Press, 1963, p. 107-13.) [Correlations between strength, rate of loading, ice form and salinity, and temperature.]
- POUNDER, E. R. The physics of sea ice. (*In* Hill, M. N., ed. *The sea*. New York, Interscience, 1962, Vol. 1, ch. 7, p. 826-38.) [Review of structure and properties.]
- SCHWERDTFEGER, P., and POUNDER, E. R. Energy exchange through an annual ice cover. *Union Géodésique* . . . Berkeley, 1963. *Commission des Neiges et des Glaces*, 1963, p. 109-19. [Observations of heat conduction, convection, radiation and evaporative heat transport in growing season of sea ice near Fort Churchill, Manitoba.]
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