GLACIOLOGICAL LITERATURE

This selected list of glaciological literature has been prepared by J. W. Glen with the assistance of T. H. Ellison, W. B. Harland, Miss D. M. Johnson, and the Staff of the Scott Polar Research Institute. Its field is 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. Glen of publications of glaciological interest.

GENERAL GLACIOLOGY


GLACIOLOGICAL INSTRUMENTS AND METHODS


PHYSICS OF ICE


LAND ICE. GLACIERS. ICE SHELVES


Kapitsa, A. P. Dinamika i morfoloziya lednikovogo pokrova tsentral'nogo sektora vostochnoy Antarktidi [Dynamics and morphology of the ice cover of the central sector of eastern Antarctica]. Trudy Sovetskoy Antarkticheskoy Ekspeditsii [Transactions of the Soviet Antarctic Expedition], Tom 18, 1961, 93 p. [Character of land ice in coastal regions between long. 80° and 105° E.]

Kotin, P. M. Siementevost' pitania lednikovogo pokrova Antarktidi [Rate of accumulation of the Antarctic Ice Cap.]. Informatsionnyy Byulleten' Sovetskoy Antarkticheskoy Ekspeditsii [Information Bulletin of the Soviet Antarctic Expedition], No. 25, 1961, p. 19-22. [Map showing accumulation over Antarctica and discussion.]

Lliboutry, L., and Weber, R. Épaisseurs de glace et débit solide de la Vallée Blanche supérieure (Massif du Mont-Blanc). Comptes Rendus Hebdomadaires des Sciences de l'Académie des Sciences (Paris), Tom. 252, No. 15, 1961, p. 2274-76. [Depth 175 m. including 30 m. of névé and snow; annual run-off 290 cm. water equivalent; glacier in equilibrium.]


Icebergs. Sea, river and lake ice

Chikovskiy, S. S. O vliyanii temperatury morskogo l'da na yego prochnost' [Influence of temperature of sea ice on its strength]. Problemy Arkтики i Antarkтики [Problems of the Arctic and Antarctica], 1961, Vyp. 8, p. 93-96. [Results of field and laboratory experiments on sea ice.]


Glacial geology

FROST ACTION ON ROCKS AND SOIL. FROZEN GROUND. PERMAFROST


Czepe, Z. Annual course and the morphological effect of the vertical frost movements of soil at Hornsund, Vestspitsbergen. Biuletyn Perygla cjalny (Lodz), No. 4, 1961, p. 51-101. [Raised beaches described between lat. 77° 00' S. and 77° 38' S., and long. 163° E. and 164° E.]


Fitzpatrick, E. A. Geomorphic notes from West Spitsbergen. Biuletyn Perygla cjalny (Lodz), No. 7, 1960, p. 49-54. 159-64. [Study of geomorphology shows many frost formations but few morainic features.]


Romanovsky, N. N. Veinering frost structures. Biuletyn Perygla cjalny (Lodz), No. 7, 1960, p. 5-17, 125-36. [Description of these structures caused by subsequent filling by stratified material of depression resulting from the melting of polygonal ice veins.]


SNOW

Morita, Y., and others. An experimental observation of the evaporation from snow surface, by Y. Morita, N. Murakoshi and E. Nishibori. Antarctic Record (Tokyo), No. 11, 1961, p. 103-09. [Measurements in the Antarctic; correlation with humidity and wind velocity.]

Simons, F. J. Snow in Ethiopia; a review of the evidence. Geographical Review, Vol. 50, No. 3, 1960, p. 402-11. [Description of snowfalls; permanent snow line would be some 200 m. higher than the highest elevation in the country.]


Yosida, Z. The first stage in the change of snow into glacier ice. Antarctic Record (Tokyo), No. 11, 1961, p. 12-16. [Laboratory observations.]

BELLAIR, P. Bilan thermique et conditions de genèse des inlandsis. Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences (Paris), Tom. 251, No. 19, 1960, p. 2061-63. [Discussion of relation between Antarctic Ice Sheet and the ocean; theory of formation of the ice sheet.]


Report (New York), No. 4, 1961, p. 51-101. [Raised beaches described between lat. 77° 00' S. and 77° 38' S., and long. 163° E. and 164° E.]


GLACIOLOGICAL LITERATURE

Bd. 4, Ht. 3, 1961, p. 191-205. [Discussion of relation between Antarctic Ice Sheet and the ocean; theory of formation of the ice sheet.]


Yosida, Z. The first stage in the change of snow into glacier ice. Antarctic Record (Tokyo), No. 11, 1961, p. 12-16. [Laboratory observations.]