

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.

Conferences


General Glaciology


Glaciological Instruments and Methods


Swanson, R. H. A system for making remote and undisturbed measurements of snow settlement and temperature. Proceedings of the Western Snow Conference, 36th annual meeting, 1968, p. 1-5. [Method for mounting and dropping transducers and subsequently locating and reading them.]


Physics of Ice


WOLFF, H., and WOLFF, E. Über den Dampfdruck-Isotopie-Effekt von Wasser und Eis. *Berichte der Bunsgesellschaft für physikalische Chemie, Bd. 73, Nr. 4, 1969, p. 393-96.* [Vapour pressure ratios of different isotopic water molecules of water and ice calculated and compared with published data. English summary.]


YOUNG, I. G. Improved technique for electrical measurements on ice and other doped solids. *Journal of Applied Physics, Vol. 40, No. 5, 1969, p. 2935-50.* [Suggests resistivity measurements should be made perpendicular, rather than parallel to growth direction. Results for ice doped with HCl including partition coefficient.]

**LAND ICE. GLACIERS. ICE SHELVES**


AMBIACH, W., and others. Tritium profiles in two firn cores from Alpine glaciers and tritium content in precipitation in the Alpine areas, [by] W. Ambach, H. Eisner, and G. Sauzay. *Archiv für Meteorologie, Geophysik und Bioklimatologie, Ser. B, Vol. 18, No. 1, 1969, p. 93-104.* [Determination from cores of the T content of precipitation on Kesselwandferner (Austria) and Jungfrau (Switzerland).]


FELTRIN, F., and PIVOANO, G. Studi e ricerche sui Ghiacciaio di Preda Bar (Monte Bianco). *Bollettino del Comitato Glaciologico Italiano, 2 Ser., No. 15, Pt. 1, 1965, [pub.] 1969, p. 91-100, [Report of measurements of ice front, and ice velocity, and of thermal drilling and installation of thermometers on this Italian glacier.]


**GLACIOLOGICAL LITERATURE**


**ICEBERGS, SEA, RIVER AND LAKE ICE**


Olausson, E., and Jonasson, V. C. The Arctic Ocean during the Würm and Early Flandrian. *Geologiska Föreningens i Stockholm Förhandlingar*, Vol. 91, Pt. 2, No. 537, 1969, p. 185-200. [Discussion of conditions under which Arctic Ocean ice is ice-covered. Salinity stratification believed responsible, and hence glacial period causes ice-free ocean.]


**GLACIAL GEOLOGY**


LAVERDIERE, C. Le vocabulaire de la géomorphologie glaciaire. IV. Cahiers de Géographie de Québec, 12 e Ann., No. 26, 1968, p. 291-94. [Discussion of many aspects of French terminology in glacial geology, in particular as used by L. Lliboutry in Traité de glaciologie.]


VAUMAS, E. DE. Essai de classement synthétique des phénomènes et des formes de relief glaciaires. Revue de Géographie Alpine, Tom. 57, Fasc. 3, 1969, p. 435-64. [Classification of geomorphological features due to ice and frost.]

VEYRET, P. L’aube de Chamonix: une vallée glaciaire d’un type particulier. Revue de Géographie Alpine, Tom. 57, Fasc. 3, 1969, p. 559-70. [Study of the glacial geology of the Chamonix valley which has many unique features.]

GLACIOLOGICAL LITERATURE

WELCH, R., and HOWARTH, P. J. Photogrammetric measurements of glacial landforms. Photogrammetric Record, Vol. 6, No. 31, 1968, p. 75-96. [Use of photogrammetric methods on repeated aerial photographs to give geomorphological information on changing landforms such as eskers, kames, ice-dammed lakes and coastal features.]


FROST ACTION ON ROCKS AND SOIL. FROZEN GROUND. PERMAFROST


METEOROLOGICAL AND CLIMATOLOGICAL GLACIOLOGY


SNOW


LAUSCHER, F. Ein Diagramm zur Abschätzung monatlicher Durchschnittshöhen der Schneeckede ostalpiner Oste. Wetter und Leben, Jahrg. 21, H. 7-8, 1969, p. 167-72. [Relation between mean monthly snow-cover depth and maximum snow depth. Use to predict snow variation from annual precipitation and altitude.]
