

ZEITSCHRIFT FÜR GLETSCHERKUNDE UND GLAZIALGEOLOGIE (Ed. R. VON KLEBELSBERG), Innsbruck, Universitäts-Verlag Wagner, Bd. 3, Ht. 1, 1954, 144 pages.

THIS issue follows closely in time on the previous number reviewed in Vol. 2, No. 16, 1954, of this *Journal*. Of the longer articles (*Abhandlungen*) purely glaciological subjects predominate: H. Körner writes on glacier mechanics and flow; H. Hoinkes on the influence of glacier wind on ablation; G. Heinsheimer on hydrology and glaciology in Argentina; H. Paschinger on glacierization in Spain.

Among the many shorter articles (*Mitteilungen, Berichte*) an unusual note appears dealing with firn conditions in Corsica. The Editor summarizes the results of the fluctuation measurements in the Eastern Alps and Prof. R. Finsterwalder writes on the 1953 Alpine Research Course at the Gepatschhaus.

In the excellent review section covering a wide range of recently appeared works there is a carefully prepared list of contents in recent issues of the *Journal of Glaciology*. These are divided into headings—Snow research, Ice research, Glacier research (general) and Glacier research divided into regions (the Arctic, the Antarctic, North America, Europe, etc.) occupying three and a half pages.

G. SELIGMAN

GLACIOLOGICAL LITERATURE

THIS bi-annual list of glaciological literature aims to cover the *scientific* aspects of snow and ice in all parts of the world. Attention is drawn to the bibliographies in each number of the *Polar Record* (Cambridge), which aim to cover the significant work dealing with expeditions, research, equipment and conditions of living in the Polar regions. Both journals, however, deal with Polar literature having specific glaciological interest and with general matters of a practical nature such as snowcraft.

Readers will greatly assist the Editor by notifying him of their own, or any other, publication of glaciological interest.

- ÅNGEBY, O. Recent, subglacial and lateroglacial pothole-erosion (evorsion). *Kungl. Fysiografiska Sällskapets i Lund Handlingar*, N.F., Bd. 63, Nr. 5, 1952, 13 p. [Potholes formed by glacial and non-glacial streams compared. Also published as *Lunds Universitets Årsskrift*, N.F., Avd. 2, Bd. 48, Nr. 5, 1952, and as *Lund Studies in Geography*, Ser. A, No. 3, 1952, p. 14–24.]
- AKKURATOV, V. Bluzhdaiushchiye ostrova [Wandering islands]. *Vokrug Sveta [Round the World]*, No. 6, 1954, p. 17–21. [Possible reasons for disappearance of arctic islands; ‘ice island’ sighted 700 km. north of Ostrov Vrangelya in March 1946.]
- ARAKAWA, K. Studies on the freezing of water. 2. Formation of disc crystals. *Journal of the Faculty of Science, Hokkaido University*, Ser. 2, Vol. 4, No. 5, 1954, p. 311–39. [Conditions which produce disc crystals; surface phenomena of growing crystals; mechanics of anchor ice formation.]
- ARTMANN, K. Hybridisierung, Gleichgewichtswinkel und Normalschwingungen von H₂O und verwandten Molekülen. *Zeitschrift für Physik*, Bd. 138, Ht. 5, 1954, p. 640–57. [Theory of the position of the H atoms in H₂O, H₂S and H₂Se.]
- ATWATER, M. M. The relationship of precipitation intensity to avalanche occurrence. *Proceedings. Western Snow Conference, 20th annual meeting, 21 and 22 April 1952*. . . . Fort Collins, Colorado, 1952, p. 11–19. [Recent investigations at U.S. Forest Service experimental stations.]
- ATWATER, M. M., and others. Avalanche research; a progress report, part 1, by M. M. Atwater, E. [R.] LaChapelle, R. M. Stillman and F. M. Foto. *Appalachia*, N.S. Vol. 20, No. 12, 1954, p. 209–20. [Research by U.S. Forest Service on use of new snowfall intensity gauge, of snow collectors and of operations recorders; new electronic avalanche timing system.]
- AVSYUK, G. A. Lednik Inylchek. (*In Pobezhdennyye vershiny. Yezhegodnik sovetского al'pinizma. God 1952 [Conquered peaks. Yearbook of Soviet Mountaineering, 1952]* (Moscow), 1952, p. 27–90.) [Glacier in Tien Shan; description and history of exploration and study. Copy at Royal Geographical Society.]
- BAIRD, P. D., and others. Baffin Island expedition 1953: a preliminary field report. *Arctic*, Vol. 6, No. 4, 1953, p. 226–51. [Expedition to Cumberland Peninsula area. Reports on glacier physics by W. H. Ward; seismic soundings by H. Röthlisberger; meteorology by S. Orvig and B. H. Bonnländer; geology by D. J. Kidd; geomorphology by H. R. Thompson; zoology by A. Watson; botany by F. H. Schwarzenbach; mountaineering and surveying by J. Marmet; photography by J. A. Thomson and J. R. Weber.]
- BAUER, A. *Glaciologie. Groenland. Vol. 2: le glacier de l'Eqe*. Paris, Hermann, 1955. 120 p., 26 plates. (Actualités scientifiques et industrielles, 1225; Expéditions Polaires Françaises [travaux], 6.) [Ice streams in Ata Sund region, west Greenland; description of lower reaches of Equip Sermia, velocity, regime. Bibliography. German and English summaries.]
- BLACK, R. F. Precipitation at Barrow, Alaska, greater than recorded. *Transactions. American Geophysical Union*, Vol. 35, No. 2, 1954, p. 203–07. [Data on depth and density of snow, winter 1949–50, show that wind affects accuracy of standard U.S. Weather Bureau 8-inch precipitation gauge. Discussion by W. T. Wilson, p. 206–07.]
- BOWDEN, F. P. *Recent studies of metallic friction*. London, Institution of Mechanical Engineers, 1954. 12 p. (Hawksley Lecture.) [Includes section on friction in ski-ing and the development of some new fast-running ski.]
- BOWDEN, F. P., and ROWE, G. W. The friction and mechanical properties of solid krypton. *Proceedings of the Royal Society*, Ser. A, Vol. 228, No. 1172, 1955, p. 1–9. [Includes comparison between friction and hardness of krypton and those of ice.]