

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.

- AHLMANN, HANS W:SON. Den planerade norsk-svensk-brittiska Antarktis-expeditionen. *Ymer*, Årg. 68, Ht. 4, 1948, p. 241-67. [Plans of Norwegian-British-Swedish Expedition to Dronning Maud Land, 1949-52.]
- AHLMANN, HANS W:SON. De glaciologiska undersökningarna i Kebnekajse 1946-49. *Svensk Geografisk Årsbok*, Årg. 25, 1949, p. 106-27. [Glacier fluctuation.]
- AHLMANN, HANS W:SON. Why the Antarctic? *Anglo-Swedish Review*, December 1949, p. 231-32, illus. [Norwegian-British-Swedish Antarctic Expedition 1949-52; scientific programme.]
- [ALASKA: AIR TEMPERATURE.] Temperatures at selected stations in the United States, Alaska, Hawaii and Puerto Rico. *U.S. Weather Bureau Technical Paper*, No. 9, 1948, [iv], 20 p.
- ALBERTINI, R. Le "glaciere" o "briche di ghiaccio." *Bollettino del Comitato Glaciologico Italiano*, 2 Serie, N. 1, 1950, p. 91-102. [Attributes presence of summer ice in Alpine caverns to freezing and re-freezing of snow driven into cavern mouths by winter winds.]
- ALIMEN, H. Les formations glaciaires et fluvio-glaciaires de la vallée de l'Ousse, versant Nord-Pyrénéen. *Bulletin de la Société Géologique de France*, 5^{ème} série, Tom. 20, Nos. 1-2-3, 1950, p. 107-20.
- ALIMEN, H. Indices de climat périglaciaire dans les dépôts quaternaires du versant Nord-Pyrénées. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* (Paris), Tom. 230, No. 3, 1950, p. 310-12. [Evidence of a climate as rigorous as that of Spitsbergen to-day.]
- ALIVERTI, G. Relazione su una visita ai ghiacciai del Monte Rosa versante nord-ovest. *Bollettino del Comitato Glaciologico Italiano*, 2 Serie, N. 1, 1950, p. 33-38. [Mainly stratification in the Monte Rosa glaciers. English summary.]
- ÅNGSTRÖM, ANDERS. Atmospheric circulation, climatic variations and continentality of climate. *Geografiska Annaler*, Årg. 31, Ht. 1-4, 1949, p. 316-20.
- ÅNGSTRÖM, ANDERS, and MELIN, RAGNAR. Sambandet mellan den meteorologiska och hydrologiska tjänsten i Sverige. *Ymer*, Årg. 70, Ht. 1, 1950, p. 51-59. [Collaboration of Hydrologiska Byrån and Meteorologiska Byrån with special reference to run-off, snow cover and ice on rivers and lakes. English summary.]
- ANDERSON, J. G. C. Geology of the Glen Tromie hydro-electric tunnels, Inverness-shire. *Geological Magazine*, Vol. 88, No. 2, 1951, p. 133-39. [Extensive glacial drift and sites of dead ice deposits.]
- ANNAHEIM, HANS. Gletscher- und Eiszeitforschung. *Geographica Helvetica*, Vol. 5, No. 2, 1950, p. 110-11. [Review of R. von Klebelsberg's *Handbuch der Gletscherkunde und Glazialgeologie*, 1948.]
- ARMELLINI, G. Fondamenti della teoria astronomica delle epoche glaciali. *Problemi Attuali di Scienza e di Cultura* (Accademia Nazionale dei Lincei, Roma), Quaderno N. 16, 1950, p. 13-16. [Astronomical theory of the Pleistocene glaciation.]
- ASHMORE, S. E. Ablation of snow deposits. *Meteorological Magazine*, Vol. 80, No. 949, 1951, p. 99.
- AVSYUK, G. A. O nekotorykh voprosakh glatsiologii [On some questions of glaciology]. *Problemy Fizicheskoy Geografii* [Problems of Physical Geography] (Moscow, Leningrad), No. 13, 1948, p. 122-44. [Movement of ice in glaciers; action of glaciers on landscape.]
- BAECKEROOT, GEORGES. Formes périglaciaires dans les schistes cambriens au col des Escudiés (Montagne Noire occidentale). *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* (Paris), Tom. 232, No. 1, 1951, p. 90-92. [Erosion hollows attributed to nivation as distinct from glaciation.]
- BAECKEROOT, GEORGES. Formes de solifluxion et sol polygonal dans le massif granitique du Lampy (Montagne Noire occidentale). *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* (Paris), Tom. 232, No. 3, 1951, p. 248-50. [Further evidence of intense périglacial conditions.]
- BAIRD, PATRICK D., and SALT, D. J. Report on Expedition Snow Cornice. *Canada. National Research Council. Associate Committee on Soil and Snow Mechanics. Technical Memorandum* No. 14, 1949, p. 1-13. [Seismic sounding of glaciers; equipment and results.]
- BAIRD, PATRICK D., and others. Baffin Island Expedition, 1950: preliminary report. *Arctic*, Vol. 3, No. 3, 1950, p. 131-49. [Glaciological note by W. H. Ward.]
- BANERJI, S. K. Determination of snow-melt in the Himalayas. *Weather*, Vol. 6, No. 11, 1951, p. 334-38
- BARBIER, A., and CAILLEUX, ANDRÉ. Glaciaire et périglaciaire dans le Djurdjura occidental (Algérie). *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* (Paris), Tom. 231, No. 5, 1950, p. 365-66.
- BASSE, E. Observations sur des phénomènes quaternaires dans la région de Verdun. *Compte Rendu Sommaire des Séances, Société Géologique de France*, No. 13, 1950, p. 281-83.
- BASSLER, R. S. Glacial varved clay concretions of New England. *Annual Report of the Board of Regents of the Smithsonian Institution for the year ending June 30, 1948*, p. 269-73. [Describes chemical processes which cause these.]
- BATEMAN, J. D. [Letter.] *Arctic*, Vol. 2, No. 3, 1949, p. 203-04, diags. [Permafrost in the Yellowknife district.]
- BAULIG, HENRI. Causalité et finalité en géomorphologie. *Geografiska Annaler*, Årg. 31, Ht. 1-4, 1949, p. 321-24.
- BAULIG, HENRI. Isaiah Bowman. *Annales de Géographie*, 60 An., No. 318, 1951, p. 48-50. [Obituary.]
- BESCHEL, ROLAND. Flechten als Altersmassstab rezenter Moränen. *Zeitschrift für Gletscherkunde und Glazialgeologie*, Bd. 1, Ht. 2, 1950, p. 152-61. [Author suggests dating recent moraines by study of lichen growth.]
- BLANCHARD, R. Le problème du Témiscamingue. *Geografiska Annaler*, Årg. 31, Ht. 1-4, 1949, p. 325-34. [Glacial conditions the cause of this valley in Quebec.]
- BLÜTHGEN, JOACHIM. Der Eisdienst in Mecklenburg. *Zeitschrift für Meteorologie*, Jahrg. 1, Ht. 8-9, 1946-47, p. 242-53. [Organization of ice reporting service in coastal and inland waters of Mecklenburg-Pomerania.]
- BLÜTHGEN, JOACHIM. Der Eiswinter 1946-47 in den deutschen Gewässern der Nord- und Ostsee. *Zeitschrift für Meteorologie*, Jahrg. 2, Ht. 12, 1948, p. 353-60. [Consideration of severe ice conditions in the North and Baltic Seas in 1946-47.]
- BOESCH, HANS. Beiträge zur Kenntnis der Blockströme. *Die Alpen*, 27 Jahrg., No. 1, 1951, p. 1-5, illus., diags. [Stone rivers.]

- BOJDYS, R. Notes on de-icing trials. *Meteorological Magazine*, Vol. 80, No. 947, 1951, p. 140-41. [Short summary of recent de-icing work in Great Britain.]
- BOUT, P., and CAILLEUX, ANDRÉ. Actions éoliennes au Villafranchien et au Pléistocène ancien en Velay. *Compte Rendu Sommaire des Séances, Société Géologique de France*, No. 15, 1950, p. 267-69.
- BOYÉ, MARC. Importance du défonçage périglaciaire dans l'élaboration des formes glaciaires. *Comptes Rendus Hebdomadaires de l'Académie des Sciences (Paris)*, Tom. 229, No. 15, 1949, p. 723-24. [Relief of Yderland, Disko Bugt, West Greenland, suggests that ice sheet here has acted chiefly as an agent in removing loose material and has done little excavating work.]
- BOYÉ, MARC. *Glacière et périglaciaire de l'Ata Sund, nord-oriental Groenland*. Paris, Hermann & Cie., 1950. 176 p. (Expéditions Polaires Françaises, Missions Paul-Émile Victor. I.) [Glacial geomorphology; glaciation, erosion, frost action in soils.]
- BREIT, RITA. Bernhard Friedrich Kuhn, ein Pionier der Gletscherforschung. *Schlern-Schriften (Veröffentlichungen zur Landeskunde Tirols)* (Innsbruck), Bd. 65, 1950, p. 199-204. [Obituary.]
- BRESSER, K. Quartärforschung in Nordamerika. *Erdkunde*, Bd. 5, Ht. 2, 1951, p. 174-76. [Pleistocene research in North America.]
- BRETZ, J. HARLEN. The stages of Lake Chicago: their causes and correlations. *American Journal of Science*, Vol. 249, 1951, p. 401-29. [Influence of Ice Age conditions on this glacial lake.]
- BRETZ, J. HARLEN. Causes of the glacial lake stages in Saginaw Basin, Michigan. *Journal of Geology*, Vol. 59, No. 3, 1951, p. 244-58. [Due to variations in volume of the glacial age Grand River.]
- BROOKS, C. E. P. Legacy of the Ice-age. *Meteorological Magazine*, Vol. 79, No. 941, 1950, p. 321-23. [Review of work of the Committee on Interrelations of Pleistocene Research, National Research Council [U.S.A.]; *Bulletin of the Geological Society of America*, Vol. 60, No. 9, 1949, p. 1305-1525.]
- BROWN, ROBERT N. RUDMOSE. Svalbard of to-day. *Scottish Geographical Magazine*, Vol. 66, Nos. 3-4, 1950, p. 173-77, illus., map. [Brief general account.]
- BÜDEL, JULIUS. *Atlas der Eisverhältnisse des Nordatlantischen Ozeans und Übersichtskarten der Eisverhältnisse des Nord- und Südpolargebietes*. Hamburg, Deutsches Hydrographisches Institut, 1950. 24, [28] p., maps, 34 × 49 cm. (Nr. 2335.) [Monthly charts of ice in North Atlantic, and of sea ice conditions in north and south polar areas; explanatory introduction.]
- BÜDEL, JULIUS. Die Klimazonen des Eiszeitalters. *Eiszeitalter und Gegenwart* (Hannover), Bd. I, 1951, p. 16-26.
- CAILLEUX, ANDRÉ. *Terre arctique: avec l'expédition française au Groenland*. [Par] André de Cayeux. Grenoble, Paris, B. Arthaud, [1949]. viii, 230 p. [General account of Expéditions Polaires Françaises expedition to West Greenland, 1948.]
- CAILLEUX, ANDRÉ. Interprétation climatique des éolisations pliocènes et quaternaires en France. *Compte Rendu Sommaire des Séances, Société Géologique de France*, 1951, No. 3-4, p. 44-46.
- [CANADIAN ARCTIC.] Break-up. *Moccasin Telegraph*, June 1947, p. 1-2, illus. [Spring break-up of the ice in the rivers and along the shores of the Canadian Arctic.]
- [CANADIAN ARCTIC: CLIMATOLOGY.] *Climatic summaries for selected meteorological stations in the Dominion of Canada*. Vol. 1. Toronto, Department of Transport, Meteorological Division, [1947]. [Tabulated average values of temperature, precipitation and sunshine; Vol. 2 "Climatic summaries for selected meteorological stations in Canada, Newfoundland and Labrador," by C. C. Boughner and M. K. Thomas, Toronto, Department of Transport, Meteorological Division, 1948, gives humidity and wind data.]
- CARAVEL, M. Observations glaciologiques: l'ablation en 1950 sur le glacier de Sarenne (sic.). *Geofisica Pura e Applicata* Vol. 17, Fasc. 3-4, 1950, p. 214-16.
- CARBONNEAU, C. Glaciation dans les Monts Shickshocks, Peninsula de Gaspé. *Canadian Mining Journal*, Vol. 70, No. 6, 1949, p. 74-81.
- CHAMPION, D. L. The frequency and duration of snowfall in Great Britain. *Weather*, Vol. 2, No. 4, 1947, p. 99-101. [At a mean monthly temperature of 25° F. snow normally lies the whole month, at 32° F. half the month, and at 45° F. it does not lie at all.]
- CHERRY, M. Glacier de Sarennes. *La Houille Blanche* (Grenoble), Numéro spécial A, 1951, p. 319-26. [Survey, ablation and economy of the glacier.]
- CHERTANOV, S. P. Nablyudeniya nad mnogoletnim dvizheniyem lednika Fedchenko [Long-term observations of the movement of the Fedchenko glacier]. *Izvestiya Vsesoyuznogo Geograficheskogo Obshchestva [News of the All-Union Geographical Society]* (Moscow, Leningrad), Tom. 83, No. 1, 1951, p. 83-84. [Method of measuring rate of flow of this glacier in Pamir mountains.]
- CHIARUGI, ALBERTO. Le epoche glaciali dal punto di vista botanico. *Problemi Attuali di Scienza e di Cultura* (Accademia Nazionale dei Lincei, Roma), Quaderno N. 16, 1950, p. 55-109. [Postglacial plant succession; mainly post-Pleistocene but includes section on earlier glacial periods.]
- CIMINO, MASSIMO. Le teorie astronomiche delle epoche glaciali. *Problemi Attuali di Scienza e di Cultura* (Accademia Nazionale dei Lincei, Roma), Quaderno N. 16, 1950, p. 17-36. [Astronomical theory of Pleistocene glaciation.]
- CLIFFORD, Sir G. MILES. F.I.D.S. *Corona. The Journal of His Majesty's Colonial Service*, Vol. 1, No. 9, 1949, p. 24-27, illus. [Falkland Islands Dependencies Survey; general account of organization and activities.]
- COLBERTALDO, D. DI. La situazione dei ghiacciai del Canin e del Montasio nel 1948. *Universo*, An. 29, No. 1, 1949, p. 87-94. [Annual observations of glaciers in the Julian Alps.]
- CORNELIUS, H. P. Inverse Gletschertore. *Zeitschrift für Gletscherkunde und Glazialgeologie*, Bd. 1, Ht. 2, 1950, p. 195. [Streams can enter the glacier as well as emerge therefrom by a tunnel.]
- DANNMEYER, F. Zur Frage der Gegensätzlichkeit der kalten Winter in Grönland zu den warmen Wintern in Deutschland. *Polarforschung*, Bd. 2, Jahrg. 18, Ht. 1-2, 1948 [pub. 1950], p. 29-30, tables. [Author quotes table by K. L. Gronau in *Repertorium der gesamten Naturkunde*, edited by H. G. Flörke, Bd. 1, Berlin, 1811, p. 353, showing that relatively warm winters in Greenland coincided with cold winters in Germany and vice versa.]
- DEGE, WILHELM. Welche Kräfte wirken heute umgestaltend auf die Landoberfläche der Arktis ein? *Polarforschung*, Bd. 2, 19 Jahrg., Ht. 1-2, 1949 [pub. 1950], p. 274-78. [Frost action, wind and water as agents of erosion and transportation in the Arctic.]
- DIAMOND, MARVIN, and others. Discussion of "Snow survey versus winter precipitation for forecasting runoff of the Tuolumne River, California," by H. P. Boardman. [By Marvin Diamond, Charles D. Hopkins, Jr., Walter T. Wilson and H. P. Boardman.] *Transactions, American Geophysical Union*, Vol. 29, No. 5, 1948, p. 742-51, tables diagrs. [Original paper published in *Transactions, American Geophysical Union*, Vol. 28, No. 5, 1947, p. 752-65.]

- DREVER, H. I., and WYLLIE, P. J. A Scottish expedition to the Rink Glacier, West Greenland. *Scottish Geographical Magazine*, Vol. 67, No. 1, 1951, p. 1-9. [General account; also preliminary glaciological and geomorphological results.]
- ENGEL, CL.-E. J. D. Forbes dans les alpes d'après sa correspondance avec A. Gautier. *Die Alpen*, Jahrg. 27, No. 7, 1951, p. 244-48. [Some personal notes on Forbes.]
- ERMAN, M. D'. Osservazioni su recenti fenomeni di ritiro nei ghiacciai del Monte Kenia. *Atti del XIV Congresso Geografico Italiano tenuto a Bologna 8-12 Aprile 1947* (Bologna), 1949, p. 354-56. [Estimates changes in positions of Mt. Kenya's glaciers since 1899.]
- [EXPEDITIONS.] The French arctic and antarctic expeditions, 1948-1949 preliminary campaign to Greenland, 1949 Antarctic expedition to Adélie Land. *Explorers Journal*, Vol. 27, Nos. 2 & 3, 1949, p. 39-43. [Expéditions Polaires Françaises. Deals mainly with preliminary expedition to Greenland, 1948.]
- [EXPEDITIONS.] Project "Snow Cornice" 1949. *Polar Record*, Vol. 6, No. 41, 1951, p. 97-99.
- [EXPEDITIONS.] Juneau Ice Field Research Project, 1949. *Polar Record*, Vol. 6, No. 41, 1951, p. 99-101. [Summarized from an unpublished report, "Preliminary report of field operations. The Juneau Ice Field Research Project—1949 season", by Maynard M. Miller. New York, American Geographical Society, 1950.]
- [EXPEDITIONS.] Dr. L. Koch's Geological Expedition to East Greenland, 1949. *Polar Record*, Vol. 6, No. 41, 1951, p. 104-05.
- EYTHÖRSSON, JÓN. Die Eisverhältnisse an der isländischen Küste. *Polarforschung*, Bd. 2, 19 Jahrg., Ht. 1-2, 1949 [pub. 1950], p. 284. [Sea ice conditions around Iceland, 1949.]
- FABIANI, RAMIRO. Le epoche glaciali. *Problemi Attuali di Scienza e di Cultura* (Accademia Nazionale dei Lincei, Roma), Quaderno N. 16, 1950, p. 5-12. [General introduction to collection of papers dealing with various aspects of Pleistocene glaciation read at a meeting of Accademia Nazionale dei Lincei, 8-9 April, 1949.]
- FÆGRI, KNUT. Brevvariasjoner i Vestnorge i de siste 200 år. *Naturen*, 1948, Nr. 7-8, p. 230-42. [Glacier variations in west Norway during the last 200 years.]
- FALLOT, P., and FAURE-MURET, A. Formations glaciaires et dépôts aberrants des feuilles St. Etienne de Tinée et le Boréon (A.M.). *Travaux scientifiques du Club Alpin Français*, 1950, p. 45.
- FIELD, WILLIAM O., Jr., and MILLER, MAYNARD MALCOLM. The Juneau Ice Field Research Project. *Geographical Review*, Vol. 40, No. 2, 1950, p. 179-90. [Glaciological research of the American Geographical Society; second season's field work, 1949; plans for 1950-52.]
- FINSTERWALDER, R. Die bayerischen gletscher. *Mitteilungsblatt* (Munich), Jahrg. 3, Ht. 1, 1951, p. 3-7. [Recession of the Bavarian glaciers.]
- FIRBAS, F. Über den heutigen Stand der Pollenuntersuchungen als Hilfsmittel der Quartärforschung. *Eiszeitalter und Gegenwart* (Hannover), Bd. 1, 1951, p. 102-8.
- FISHER, JOEL E. Dirt band project. *American Alpine Journal*, Vol. 8, No. 1, 1951, p. 118-23.
- FRISTRUP, BØRGE. Peary Land. En foreløbig redegørelse for geografisk arbejde paa Dansk Peary Land Ekspedition. *Geografisk Tidsskrift*, Bd. 49, 1948-49, p. 41-66. [Work of Danish Pearyland Expedition, 1947 to autumn 1949.]
- FRITSCH, VOLKER. Einige geoelektrische Untersuchungen auf österreichischen Gletschern. *Geofisica Pura e Applicata*, Vol. 17, Fasc. 3-4, 1950, p. 210-13. [High frequency prospecting of glaciers.]
- FUCHS, V. E. The Falkland Islands Dependencies Survey, 1947-50. *Polar Record*, Vol. 6, No. 41, 1951, p. 7-28. [Activities at F.I.D.S. bases 1947 to 1950.]
- GAMS, H. Die Alleröd-Schwankung im Spätglazial. *Zeitschrift für Gletscherkunde und Glazialgeologie*, Bd. 1, Ht. 2, 1950, p. 162-71. [Cursory review of Alleröd fossil-bearing deposits in central and northern Europe; extensive bibliography.]
- GARDET, G. Sur la présence de dépôts glaciaires à Saint-Martin-en-Coailleux (Loire). *Compte Rendu Sommaire des Séances, Société Géologique de France*, 1950, No. 13, p. 297-98.
- GERDEL, R. W. Penetration of radiation into the snow pack. *Transactions. American Geophysical Union*, Vol. 29, No. 3, 1948, p. 366-74.
- GLÆVER, JOHN. Den norsk-britisk-svenske ekspedisjon til Antarktis 1949-52. *Polarboken*, 1949, p. 73-79. [Plans of the Norwegian-British-Swedish Expedition to Dronning Maud Land, 1949-52.]
- [GLACIOLOGICAL RESEARCH.] Conference on Glaciological Research, New York, 1949. *Polar Record*, Vol. 6, No. 41, 1951, p. 118-19. [Summarized from an unpublished report of the American Geographical Society entitled "Conference on glaciological research under the auspices of the Arctic Institute of North America and the American Geographical Society, New York City, 1949."]
- GORODKOV, B. N. Prileednikovyye landschafty pleystotsena na severe Azii [Landscapes near glaciers during the Pleistocene in north Asia]. *Doklady Akademii Nauk SSSR. Novaya Seriya* [Reports of the Academy of Sciences of the U.S.S.R. New Series] (Moscow, Leningrad), Tom 61, No. 3, 1948, p. 513-16. [Character of landscape in arctic Siberia deduced from analysis of pollen taken from fossil ice.]
- GORON, L. Les systèmes fluvio-glaciaires de la Bièvre-Valloire et leur rattachement aux terrasses rhodaniennes. *Revue de Géographie Alpine*, Tom. 39, Fasc. 4, 1951, p. 623-71.
- GRANQVIST, GUNNAR. Den Finländska skärgårdens hydrografi. LINDBERG, HÅKAN, ed. *Skärgårdsboken, utgiven av Nordenskiöld-Samfundet i Finland, författad av Finlandssvenska forskare*. Helsingfors, [Nordenskiöld-Samfundet i Finland], 1948, p. 104-33. [Hydrography of the Finnish Skärgård including some account of sea ice conditions.]
- GRAVENOR, CONRAD P. Bedrock source of tills in southwestern Ontario. *American Journal of Science*, Vol. 249, No. 1, 1951, p. 66-71. [Disputes general belief that till is mainly of local origin.]
- GREENLEY, E. Some Anglesey glacial problems. *Proceedings of the Liverpool Geological Society*, Vol. 20, Pt. 1, 1948, p. 38-39.
- GREENMAN, NORMAN N. On the bias of grain-size measurements made in thin-section. *Journal of Geology*, Vol. 59, No. 3, 1951, p. 268-74. [Criticisms of previous work (by Chayes and by Krumbein) on measuring grain size in thin sections.]
- GRIPP, KARL. Über den morphologischen Nachweis grosser Schwankungen des Eisrandes. *Eiszeitalter und Gegenwart* (Hannover), Bd. 1, 1951, p. 65-69.
- GROSSMAYR, FRITZ BÉLA. Der Verlauf der geglätteten Wintertemperatur auf Island. *Polarforschung*, Bd. 2, Jahrg. 17, Ht. 1-2, 1947, p. 142. [List of average winter temperatures in Iceland from 1846 to 1947, indicating that period of mild winters has passed.]

- GROSSMAYR, FRITZ BÉLA. Die grosse säkulare Klimawende um 1940 und das Katastrophenjahr 1947 in Zentraleuropa. *Berichte des Deutschen Wetterdienstes in der U.S.-Zone*, Nr. 10, 1949, 39 p., tables, diagr. [Climatic fluctuations in the Arctic, p. 3-11; secular change of temperature over northern Europe in and after 1940, p. 11-17; figures relating to winter temperature in central Siberia, p. 34-35.]
- GUILLIEN, YVES. Gel et dégel du sol; les mécanismes morphologiques. *Information Géographique*, 13 An., No. 3, 1949, p. 104-06.
- GUILLIEN, YVES. Cryopédologie? Périglaciaire? *Annales de Géographie*, 60 An., No. 318, 1951, p. 52-54. [Arguments against the use of these words.]
- GUILLIEN, YVES. Kirk Bryan (1888-1950). *Annales de Géographie*, 60 An., No. 318, 1951, p. 72. [Obituary.]
- GUTSELL, B. V. *An introduction to the geography of Newfoundland*. Ottawa, Geographical Bureau, 1949. [v], 85 p. (Information Series No. 1.) [Includes section on sea ice.]
- HAHNE, HERMANN A. Forschungen im sibirischen Eisbodengebiet. *Polarforschung*, Bd. 2, Jahrg. 18, Heft 1-2, 1948 [pub. 1950], p. 12. [Preservation of organisms in frozen ground in north Siberia.]
- HATTERSLEY-SMITH, G. King George Island. *Alpine Journal*, Vol. 58, No. 282, 1951, p. 67-75. [Description of author's sojourn on island and work done.]
- HEALD, W. F. Sierra snows—past and future. *Sierra Club Bulletin*, Vol. 34, June 1949, p. 55-67. [General pattern of waxing and waning snowfall over 135 years in Sierra Nevada of California; tentative forecast for next 20 years.]
- HEMSTOCK, R. A. Engineering in permafrost in Canada's Mackenzie Valley. *Canada. National Research Council. Associate Committee on Soil and Snow Mechanics. Technical Memorandum No. 13*, 1949, p. [17-20]. [Installation methods at Norman Wells oilfield described and discussed.]
- HERMANN, F. Esquisse sommaire des appareils glaciaires du Gorner et de Findelen (environs de Zermatt, Suisse). *Compte Rendu Sommaire des Séances, Société Géologique de France*, 1950, No. 13, p. 233-34. [Small scale sketch maps.]
- HOLMSEN, GUNNAR. Beskrivelse til kvartærgeløst land general kart. *Norges Geologiske Undersøkelse*, No. 176, 1951, 62 p. [1:250,000 geological map (1949) of Oslo and district showing quaternary deposits.]
- HOPKINS, DAVID M., and SIGAFOOS, R. S. Frost action and vegetation patterns on Seward Peninsula, Alaska. *U.S. Geological Survey Bulletin*, 974-c., Washington D.C., p. 51-100. [Geomorphological significance of vegetation patterns as related to frost action at high altitudes and in permanently frozen ground.]
- HOPKINS, DAVID M. Thaw lakes and thaw sinks in the Imuruk Lake area, Seward Peninsula, Alaska. *Journal of Geology*, Vol. 57, No. 2, 1949, p. 119-31, maps. [Lakes in depressions formed by surface subsidence due to thawing of permafrost.]
- HOOVER, O. H. Effects of Chinook (Foehn) winds on snow cover and runoff. *Canada. National Research Council. Associate Committee on Soil and Snow Mechanics. Technical Memorandum No. 14*, 1949, p. 74-[94].
- HOPPE, GUNNAR. Les formes de recession glaciaire de Bothnie septentrionale (Suède). *Revue de Géomorphologie Dynamique*, An. 1, No. 2, 1950, p. 79-87. ["Annual moraines" of Norrbotten formed by calving as well as by melting.]
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