

Bibliography on the History of Arctic Marine Science of the 20th Century

By: Deborah Day
Archives, Scripps Institution of Oceanography, UCSD

Introduction

This is a bibliography on the history of marine science in the Arctic for the 20/21st century. It was prepared to aid historians interested in marine science research in the Arctic. This is a very small and specialized slice of the much larger literature on polar exploration and discovery.

During the last ten years, the number of websites related to the polar science has proliferated, and the number of online catalogs to libraries with strength in polar research has greatly increased. The literature of the Arctic includes citations in more than a dozen languages. The web makes a lot of citations available that were once difficult to find in libraries. Librarians in Canada, Germany and other countries have made Russian literature on the Arctic more accessible by translating some works. Despite these improvements, it continues to be difficult to access specific works in the original language. So I have listed several important websites that include bibliographies or online library catalogs rich in Arctic sources.

This bibliography includes citations that document oceanographic expeditions in the Arctic. This includes expeditions by ship that took soundings, dredged, collected specimens and did other oceanographic work. A lot of oceanographic data was and is taken on routine expeditions of icebreakers and military vessels. I excluded purely military operations in the Arctic, one-man endurance trips on sledges, land-based expeditions to Arctic islands and scientific expeditions with objectives that were exclusively related to ethnography and anthropology. This bibliography includes very little information on Arctic whales and whaling, which has an enormous literature of its own. It excludes the growing literature on polar physiology, medicine, pharmacology and the outfitting and nutrition on polar voyages. I have included just a few items on medical issues related to Arctic expeditions, but the literature on the physiology of cold regions is much larger. This bibliography includes very few citations documenting petroleum exploration in the far north. Even with this very narrow definition of Arctic marine science expeditions, it is very difficult to compile a comprehensive list of expeditions to the Arctic. Tore Frängsmyr estimates that there were 35 Swedish expeditions to the Arctic before 1910. Ira Wiggins recalls that beginning in 1947 10 to 80 scientists worked in the Arctic Research Laboratory in Barrow every summer. A lot of these researchers were working on marine topics.

It becomes harder, not easier, to identify Arctic marine science expeditions as one moves from 1900 to the current period, because oceanography has itself changed greatly in

recent decades. For the first half of the twentieth century oceanography was done by ship, although there were important polar flights, some of which had scientific objectives or were related to ship-based operations. A great deal of oceanography since 1960 has been done with data collected by remote sensing, drogues and other instruments, and some contributors to the marine science of the Arctic haven't even visited the Arctic.

This bibliography includes material by scientists, historians, biographers, and other scholars. It focuses on oceanography, and does not include the history of cartography for the Arctic regions; marine architecture related to icebreakers, or history of technology. It includes a few items related to meteorology and glaciology, but the literatures of these fields abound in polar material.

Some of the citations in this bibliography are from the scientific literature. During the early 1900's oceanographers and other scientists included historical summaries in the narrative scientific reports of their own expeditions, and this material can be quite valuable to historians. It used to be traditional to include a history as the introduction in the texts for field sciences, but this practice has been discontinued. The reviewers for *The Oceans*, the Sverdrup, Johnson and Fleming 1942 textbook in oceanography actually criticized the authors for not mentioning Matthew Fontaine Maury in their book.

This bibliography does not list manuscripts, expedition films, televised histories, or recorded interviews with scientists, although these sources are numerous and rich. The bibliography does include some biographies and autobiographies of Arctic marine scientists, and some obituaries of scientists, ship captains, and expedition participants. This is just a sample of the much larger literature of biographies of Arctic explorers. Even brief obituaries can be extraordinarily helpful to historians interested in Arctic science. Some obituaries cite speeches, memoirs and reminiscences, hidden in the gray literature. These sources describe the personal challenges of working in the Arctic and differ from research results reported formally in the scientific literature.

Bibliographies

Arctic bibliography. Montreal: McGill-Queen's University Press, 1953-1975. 16 volumes. [Volumes 1-11 were prepared for and in cooperation with the U.S. Dept. of Defense under the direction of the Arctic Institute of North America; v. 12-16 prepared by the Arctic Institute of North America with support of government agencies of the U.S. and Canada. This is the epic arctic bibliography includes 20,000 citations dating back to the 16th century. Marie Tremaine edited the first fourteen volumes.]

Arctic information and data: A guide to selected resources, by the Arctic Research Consortium of the United States, Data and Information Resources Working Group Fairbanks, Alaska: The Consortium, 1992, 50 pages.

Arctic information and data: A guide to selected resources, compiled and edited by Martha Andrews and members of the U.S. Polar Information Working Group; supported

by National Science Foundation, Office of Polar Programs. Fairbanks, Alaska: Arctic Research Consortium of the United States, 1996, 56 pages.

Arctic Science and Technology Information System. APOA bibliography. Calgary: Arctic Institute of North America, University of Calgary, 1980, 83 pages. [Bibliography reflecting the work of the Arctic Petroleum Operator's Association (APOA).]

Benoit, France. Greenland since 1979: An Annotated, cross-referenced bibliography. Ottawa: Circumpolar and Scientific Affairs Directorate, Department of Indian Affairs and Northern Development, 1989, 292 pages.

Bibliographie géographique internationale. Paris: Centre National de la Recherche Scientifique (France), 1931-1990. Section G: Regions polaires includes bibliographic references to science in the Arctic.

Cold Regions Bibliography, <http://www.coldregions.org/coldinfo.html>
[Created by American Geological Institute (AGI) with support from the National Science Foundation, requires a subscription to use. This bibliography is strong in cold physiology, polar diving, military applications, but less strong in marine sciences.]

Cumulative Bibliography on the History of Oceanography
<http://scilib.ucsd.edu/sio/indexes/cbho.html>
[Created by the Commission of Oceanography of the International Union of the History and Philosophy of Science, Division of History of Science, this bibliography covers the period 1923 to the present. It is updated annually in the History of Oceanography newsletter edited by Eric L. Mills.]

Dutilly, Athème. Bibliography of Bibliographies on the Arctic. Washington, D.C., Catholic University of America, 1945. 47 pages.

Goodwin, Ross. A selected annotated bibliography of the publications of the Arctic Institute of North America. Calgary: Arctic Science and Technology Information System, Arctic Institute of North America, 1995, 209 pages.

Gunn, Wade W. Bibliography of the Naval Arctic Research Laboratory. Washington: Arctic Institute of North America, 1973, 176 pages.

Hall, John Kendrick. Arctic Ocean Bibliography: Marine geology, geophysics, oceanography, acoustics and related subjects, compiled by John K. Hall for the Geological Society of America, D-NAG Arctic Ocean volume. Jerusalem: Israel Ministry of Energy and Infrastructure, Geological Survey of Israel, 1986, 190 pages.

Halle, T.G. Förteckning på A.G. Nathorst's skrifter 1869-1920. Geologiska förenings I Stockholm förhandlingar (March April 1921). [A.G. Nathorst. Bibliography of Publications 1869-1920.]

History of Oceanography Newsletter [A current bibliography on the history of oceanography is included in this newsletter of the Commission of Oceanography of the International Union of the History and Philosophy of Science, edited by the President, Eric L. Mills. Recent issues are available in digital format at <http://www.ijnhonline.org/>]

Hulth, Johan Markus, 1865-1928. Nordenskiölds – bibliography. Förteckning öfver A.E. Nordenskiölds skrifter. Ymer (1902): 303. [In English and Swedish. Adolf Eric Nordenskiöld. Bibliography of publications.]

Hulth, Johan Markus, 1865-1928. Swedish Arctic and Antarctic Exploration, 1758-1910: Bibliography. Uppsala: Almqvist and Wiksell, 1910, 148 pages.

Index to publications by the International Council for the Exploration of the Sea, 1899-1938. Copenhagen: En commission chez A.F. Høst & fils, 1939, 1 volume.

Machoczek, Detlev. Bibliographie des Europäischen Nordmeeres und angrenzender Meeresgebiete: Bearbeitet. Hamburg: Bundesamt für Seeschifffahrt und Hydrographie, 1990, 184 pages. [Bibliography of the European Polar Seas and Adjacent Areas, with a forward in both German and English. Citations are given in their language of publication. Particularly useful for locating Russian expedition reports.]

McAllister, Don E. Bibliography of the Marine Fishes of Arctic Canada. University of British Columbia Institute of Fisheries Museum, Contributions No. 8, 1966.

Nordenskiöld, Otto. Förteckning över professor Nils Otto Gustaf Nordenskiölds tryckta skrifter. Göteborg: Elanders Boktryckeri, 1928. [In Swedish. Professor Nils Otto Gustaf Nordenskiöld. Bibliography of publications.]

Norsk Polarinstitut. List of Publications printed before January 1962. Oslo: Norsk Polarinstitut, 1962, 17 pages.

Smith, E.M. Arctic Bibliography. Ottawa: Canadian Library Association, 1970, 15 pages.

Swedish Polar Bibliography. A Guide to Swedish Literature of Polar Research 1945-1989. With Supplement 1990-1992. Swedish Polar Secretariat, 1993, 202 pages.

Swedish Polar Bibliography <http://www.polar.se/english/supplement/supplement98.pdf>
The Swedish Polar Research Secretariat publishes annual updates to the Swedish Polar Bibliography and posts pdf on the web.

Websites:

Alfred Wegener Institute website has only a short history of German polar research, but its Library site <http://www.awi-bremerhaven.de/Library/index.html>

Is accessible online

Danish Polar Center <http://www.dpc.dk/PolarLibrary/Start.html>

And its Danish Arctic Institute host a library, archives and photo collection documenting Danish Arctic research.

Polar Web <http://arcticcentre.urova.fi/polarweb/>

is guide to Internet resources dealing with the lands and waters surrounding the North Pole and the South Pole. Polar Web is a collaborative project of the Polar Libraries Colloquy and the Arctic Center

The National Oceanic and Atmospheric Administration (NOAA) has an ocean exploration site that provides access to library, photographic and historical sources, including current research in the Arctic

<http://oceanexplorer.noaa.gov/history/history.html>

Museum of the World Ocean Website <http://vitiiaz.ru/congress/en/thesis/>

Posts papers from the VII International Congress on the History of Oceanography, including many papers on marine science of the far north, especially valuable documentation of Russian contributions.

The Norwegian Polar Institute <http://npiweb.npolar.no/>

Website includes information on books, exhibits, and historical photographs on Norwegian research in polar regions.

Scott Polar Research Institute, University of Cambridge

<http://www.spri.cam.ac.uk/library/> This library database includes connections to the archives, photograph collection and special databases such as SPRILIB Russian North. Scott Polar Research Institute website also includes a descriptive list of museums with collections relating to the Arctic and Antarctic.

U.S. Coast Guard webpage on the history of icebreakers <http://www.uscg.mil/hq/g-cp/history/Icebreakers.html>

The U.S. Coast Guard International Ice Patrol website

<http://www.uscg.mil/lantarea/iip/General/history.shtml>

Includes a history of the Ice Patrol and biographies of important figures in its history.

The UK Archives Hub <http://www.archiveshub.ac.uk/> provides access to descriptions of archives held in UK libraries, including a lot of arctic expedition published sources, manuscript sources and even digitized photographs. Like a lot of websites, they do web exhibits of photographs and are currently featuring an exhibit entitled Cold Comfort which features the search for the Franklin Expedition.

Woods Hole Oceanographic Institution Beaufort Gyre Exploration Project

<http://www.whoi.edu/beaufortgyre/history.html> has a website that includes a history of

geographic and scientific exploration of the Arctic, including a list of expeditions from the 19th to 21st centuries.

Monographs and Journal Articles

Aagaard, Knut. On the deep circulation in the Arctic Ocean. *Deep Sea Research* 28 (1981), no. 3A,: 251-268.

Aagaard, Knut. Polar Oceanography I: Arctic Ocean. *Reviews of geophysics and space physics* 17 (1979), no. 7: 1576-1578.

The academic research fleet: A report to the Assistant Director for Geosciences by the Fleet Review Committee. Arlington, Virginia: National Science Foundation, 1999 1 volume. [Description of the American academic oceanographic fleet.]

Ahlmann, Hans W:son. Den svensk-norska expeditionen till Nordostlandet och farvatnen däromkring sommaren 1931. *Ymer* 1 (1932): 1-32.

Ahlmann, Hans W:son. Harald Ulrik Sverdrup. *Ymer* 1958: 64-66.

Ahlmann, Hans W:son. Scientific results of the Norwegian-Swedish Expedition in the summer of 1931. *Geografiska annaler* 15 (1933), Häft 1-2. [This includes Ahlmann's general outline of the expedition.]

Ahlmann, Hans W:son. Scientific results of the Norwegian-Swedish Spitsbergen Expedition in 1934. Part I-VIII. Stockholm, Centraltryckeriet, 1936. [Reprinted from *Geografiska annaler* 17 (1935).]

Ahlmann, Hans W:son and B. Karlgren. In Memoriam. Johan Gunnar Andersson. *Ymer*, 1961: 63-66.

Ahlmann, Hans W:son and S. Malmberg. *Sommar vid Polarhavet*. Stockholm, 1931: 301 pages. [Account of the Spitsbergen expedition of 1931.]

Alaskan Arctic tundra; proceedings of the 25th anniversary celebration of the Naval Arctic Research Laboratory, eddited by Max E. Britton. Washington: Arctic Institute of North America, 1973, 224 pages.

Al'banov, Valerian Ivanovich. *Podvig shturmana*. Moscow, 1953. [Description of the 1913 Gregory Brusilov St. Anna expedition by the navigator]

Al'banov, Valerian Ivanovich. *Irrfahrten im Lande des weissen Todes. Erlebnisse und Tagebuchaufzeichnungen des Ersten Steuermanns Albanow der Brussilow-Expedition (1912-14) auf seiner Reise von Bord der "St. Anna" nach dem Kap Flora*. Stuttgart: Verlag Friedrich Andreas Perthes, 1925, 206 pages. [In German. Wandering in the land

of the white death. Events and diary records of the first expedition of Steersman Albanov der Brussilov (1912-14) on his voyage on board the "St. Anna" to Kap Flora.]

Al'banov, Valerian Ivanovich. In the Land of White Death, translated by Alison Anderson and William Barr, with an introduction by David Roberts. New York: Random House Modern Library, 2000, 205 pages.

Alekseev, A.P. and V.V. Penin. Some results of oceanographic investigations in the Norwegian and Greenland Seas in 1952-1972. *Oceanology* 13, no. 1 (1973): 462-466.

Alekseev, A.P., G.N. Zaitsev and S.T. Potaychuk. Results of the hydrological and hydrochemical studies in the Norwegian Sea in 1958. *Rapports et Proces-Verbaux des Reunions, Copenhagen* 149 (1958): 53-55.

Alexander, V. "Highlights in Arctic Marine Biology" in *Proceedings of the Sixth Conference of the Comite Arctique International, 13-15 May 1985* edited by L.Rey and V. Alexander. Leiden: E.J. Brill, 1989: 27-34.

Althoff, William. *Arctic Mission: by airship and submarine to the far north*. Auckland, New Zealand: Lighter-Than-Air Institute, 1999, 291 pages.

American Geographical Society of New York. *Problems of polar research: A series of papers by thirty-one authors*. New York: American Geographical Society, 1928, 479 pages. [The leading polar scientists and explorers of the time set a research agenda.]

Amdrup, Georg Carl, 1866-. *Grønland i tohundredaaret for Hans Egedes landing; budg. af Kommissionen for ledelsen af de geologiske og geografiske undersøgelser i Grønland under redaction*. København: C.A. Reitzel, 1921, 2 volumes.

Amdrup, Georg Carl, 1866-. *Hydrografi fra Skibsexpeditionen til Grönlands Östkyst 1900. Meddelelser om Grönland* 27 (1902): [Hydrography from the expedition to the east coast of Greenland in 1900.]

Amundsen, Roald, 1872-1928. *First crossing of the Polar Sea, by Roald Amundsen and Lincoln Ellsworth; with additional chapters by other members of the expedition*. Garden City, New York: Doubleday, Doran and Company, 1928, 324 pages.

Amundsen, Roald, 1872-1928. *The Amundsen photographs, edited and introduced by Roland Huntford*. London: Hodder and Stoughton, 1987, 199 pages.

Amundsen, Roald, 1872-1928. *Roald Amundsen's "The North West passage"; being the record of a voyage of exploration of the ship "Gjøa" 1903-1907, by Roald Amundsen, with a supplement by First Lieutenant Hansen, vice-commander of the expedition; with about one hundred and thirty-nine illustrations and three maps*. London, A. Constable and company limited, 1908. New York: Dutton, 1908.

- Anderson, William R. Comments on the voyage of the U.S.S. Nautilus. In: United States polar exploration, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 29-30.
- Amundsen, Roald. Nordostpassasjen. Kristiania: Glydendalske Boghandel, 1921, 467 pages.
- Amundsen, Roald, 1872-1928, and Lincoln Ellsworth. The first flight across the Polar Sea. London: Hutchinson and Company, 1925.
- Amundsen, Roald, 1872-1928, and Lincoln Ellsworth. Över Polhavet, with contributions by J. Hover, G.S. Amundsen, Hj. Riiser-Larson, F. Malmgren, B.L. Gopttwaldt. Stockholm: Bonnier, 1926, 278 pages.
- The Andrée diaries, being the diaries and records of S. A. Andrée, Nils Strindberg and Knut Fränkel written during their balloon expedition to the North pole in 1897 and discovered on White island in 1930, together with a complete record of the expedition and discovery; authorized translation from the official Swedish ed. By Edward Adams-Ray. London, J. Lane, 1931, 471 pages. [First published in Swedish under the title, Med Örnen mot pollen.]
- Anderson, R.M. Recent Explorations on the Canadian Arctic Coast. Geographical Review 4 (1917): 241-266.
- Anderson, R.M. Recent Zoological Exploration in the Western Arctic. Journal of the Washington Academy of Science 9 (1919), 312-314.
- Andersson, J.G. Kineser och pingviner. Stockholm, 1933, 462 pages.
- Angstrom, A. Sven Otto Pettersson. Ymer, 1941: 142-147.
- Archer, Clive. The Soviet Union and northern waters. London ; New York : Routledge for the Royal Institute of International Affairs, London, 1988, 261 pages.
- Arctic Biodiversity Workshop d (2003: Fairbanks, Alaska). Proceedings of the Arctic Biodiversity Workshop: New census of marine life initiative: April 11-14, 2003, Fairbanks, Alaska, USA , edited by Katrin Iken and Brenda Konar. Fairbanks, Alaska: Alaska Sea Grant College Program, 2003, 158 pages.
- Arctic Institute of North America. Institutions of the U.S.S.R. active in Arctic research and development, by Vladas Stanka. Washington, D.C.: AINA, 1958, 100 pages. [Edited by Marie Tremaine, so filled with bibliographical citations for Russian material.]
- The Arctic Ocean. Oceanus 29 (1986), no. 1.
- Arkady Hikhailovichy Karasik, 1930-1987. Arctic 41 (1988), no. 2: 166.

Arkticheskii nauchno-issledovatel'skii institut (Leningrad, R.S.F.S.R.). Translation of observational data of the Scientific-Research Drifting Station of 1950-1951, edited by M. M. Somov. (Materialy nabludenii nauchno-issledovatel'skoi dreifuiushchei stantsii 1950/51 goda, red. M. M. Somov) 3 volumes.

Armstrong, Terence E. *The Northern Sea Route: Soviet Exploitation of the Northeast Passage*. Cambridge: Cambridge University Press, 1952, 162 pages.

Armstrong, Terence E. *The Russians in the Arctic: Aspects of Soviet Exploration and Exploitation of the Far North, 1937-1957*. Fair Lawn, N. J.: Essential Books, 1958, 182 pages.

Armstrong, Terence E., George Rogers and Graham Rowley. *The circumpolar north: a political and economic geography of the Arctic and sub-arctic*. London: Methuen, c1978, 303 pages.

Arsen'ev, V. Geroi Arktiki (K 90-Letiiu So Dnia Rozhdeniia Dvazhdy Geroia Sovetskogo Soiuzu Kontr-Admirala I. Papanina. Hero of the Arctic region: on the 90th birthday of Rear Admiral I. Papanin, twice Hero of the Soviet Union. *Morskoi Sbornik* 11 (1984): 63-65.

Augstein, E., G. Hempel and J. Thiede. Fahrbericht der "Polarstern"-Reise "Arkis I," *Berichte zur Polarforschung* 17 (1984): 1-77. [On Arkis I expedition of R/V Polarstern.]

Avango, Dag. Knowledge and legitimacy: The role of 19th century Swedish polar research for the development of a Swedish coalmine on Svalbard. In: *International scientific cooperation in the Arctic*, edited by Eugene Bouzney. Moscow: Scientific World, 2002, 96-108.

Banse, Karl. Thomas Saunders English 1928-1985. *Arctic* 38 (1985) no. 3: 259-260.

Barr, S. Norwegian use of the polar oceans as occupational arenas and exploration routes. *Polar Record* 37 (2001), no. 201: 99-110.

Barr, William. "Charles Benard's First Expedition to Novaya Zemlya, 1908." *Polar Record* 23, no. 146 (1987): 511-529.

Barr, William. The career and disappearance of Hans K. E. Kruger, Arctic geologist, 1886-1930. *Polar Record* 29 (1993), no. 171: 277-304.

Barr, William. The drift and rescue of Solovei Budimirovich in the Kara Sea, January-June 1920. *Canadian Slavonic Papers* 20 (1978) no. 4:483-503.

Barr, William. The drift of Lenin's convoy in the Laptev Sea, 1937-1938. *Arctic* 33 (1980), no. 1: 3-20.

Barr, William. The Expeditions of the first International Polar Year, 1882-83. Calgary, Alberta: Arctic Institute of North America Technical Paper 29, 1985, 222 pages.

Barr, William. Geographical aspects of the first International Polar Year, 1882-1883. *Annals of the Association of American Geographers* 74 (1983), no. 4: 463-484.

Barr, William. The Helgoland Expedition to Svalbard: Die Deutsche Expedition in das Nordliche Eismeer, 1898. *Arctic* 41 (1988) no. 3: 203-214.

Barr, William. Imperial Russia's Pioneers in Arctic Aviation. *Arctic* 38 (1985) no. 3: 219-230.

Barr, William. Otto Sverdrup (1854-1930) *Arctic* 37 (1984), no. 1: 72-73.

Barr, William. Sedov's expedition to the North Pole, 1912-1914. *Canadian Slavonic Papers* 15 (1973), no. 4: 499-524.

Barr, William. Robert Stein's expedition to Ellesmere Island, 1899-1901. *Polar Record* 21 (1982). No. 132: 253-274.

Barr, William. Severnaya Zemlya: The Last Major Discovery. *The Geographical Journal* 141 (1975), No. 1: 59-71.

Barr, William. The voyage of Sibiryakov, 1932. *Polar Record* 19 (1978), no. 120: 253-266.

Bartlett, Robert. *The Log of Bob Bartlett*. New York: Putnam, 1928.

Bartlett, Robert and Ralph T. Hale. *The Last voyage of the Karluk*. Boston: Small, Maynard and Co, 1916.

Bauer, L.A. Unsolved problems in terrestrial magnetism and electricity in the polar regions. In: *American Geographical Society of New York. Problems of polar research: A series of papers by thirty-one authors*. New York: American Geographical Society, 1928: 53-61.

Behounek, F. *Männern på isflaket. Med "Italia" till Nordpolen*. Uppsala: 1929, 322 pages.

Berson, A. Alfred Wegener. *Arktis* 4 (1931): 1-2.

Bertram, G.C.L. (George Colin Lauder). *Antarctica, Cambridge, conservation and population: A biologist's story*. Cambridge, [England] : G.C.L. Bertram, 1987, 208 pages. [Discusses the author's experiences on field expeditions to Greenland, as a participant in the British Graham Land Expedition (1934-1937).]

Blackadar, R.G. Field Methods and Logistics: Arctic Canada. In: *Geology of the Arctic; proceedings, International Symposium on Arctic Geology*. (1st:1960: Calgary, Alberta), edited by Gilbert O. Raasch. Toronto: University of Toronto Press, 1961, volume 2: 1095-1101. [Describes Geological Survey of Canada use of light aircraft for northern reconnaissance since World War II.]

Blake, Weston. Valter Schytt (1919-1985). *Arctic* 41 (1988), no. 2: 158-159.

Blue Dolphin Labrador Expeditions (1949-1953). Reports, by David C. Nutt, et. al. S.I.: s.n., 1949-, 9 volumes. [Oceanographic report is in volume 5.]

Blyth, J.D.M. German meteorological activities in the Arctic, 1940-1945. *Polar Record* 6 (1951), no. 42: 185-226.

Bolotenko, G. G. Kanadskie Ledokoly Dlia Rossii: Neizvestnye Stranitsy Istorii Russko-Kanadskikh Otnoshenii (1914-1917). Canadian icebreakers for Russia: unknown pages of Russian-Canadian relations, 1914-17. *Amerikanskii Ezhegodnik [Russia]* 2001: 247-265. [In Russian.]

Bout, Pierre. *Études de géomorphologie dynamique en Islande*. Paris: Hermann, 1953, 176 pages.

Bowermaster, Jon. "The Last Frontier of the Cold War." *Atlantic Monthly* 273(1993), no. 11: 36-45.

Boyé, Marc. *Glaciaire et périglaciaire de l'Ata Sund nord-oriental Groenland*. Paris: Hermann, 1950, 176 pages.

Bouzney, Eugene, editor. *International scientific cooperation in the Arctic. Proceedings of a conference devoted to the centenary of the Swedish-Russian Arc-of-Meridian expedition to Spitsbergen and 125 years of V.A. Rusanov's birth*. Moscow: Scientific World, 2002, 176 pages.

Brattstrom, H. The Biological Stations of the Bergens Museum and the University of Bergen 1892-1967. *Sarsia* 29 (1967), 7-80.

Bravo, Michael and Sverder Sörlin, editors. *Narrating the Arctic: A cultural history of Nordic scientific practices*. Canton, Massachusetts: Science Publications, Inc., 2002, 373 pages.

Breslau, L.R. et. al. Environmental research relevant to the development of Arctic Sea transportation. *Marine Technology Society Journal* 4 (1970), no. 5: 19-43.

Brewer, Max C. New Applications of Old concepts of drifting station operations. In: *Arctic Drifting Stations*, edited by J.E. Sater, J.E. Washington, D.C.: Arctic Institute of North America, 1964: 23-28.

- Britton, Max E. Administrative Background of the Developing Program. In: Arctic Drifting Stations edited by J.E. Sater. Washington, D.C.: Arctic Institute of North America, 1964: 29-35.
- Britton, Max E. The Naval Arctic Research Laboratory and research in the Arctic Basin. In: United States polar exploration, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 35-40.
- Brontman, Lazar Konstantinovich. Na vershine mira. Moscow and Leningrad: Detizdat, 1938.
- Brontman, Lazar Konstantinovich. On top of the world: The Soviet expedition to the North Pole, 1937. London: V. Gollancz, Ltd., 1938, various pagination, 287 pages.
- Brower, Charles D. 1863-. Fifty years below zero; a lifetime of adventure in the far North, by Charles D. Brower, in collaboration with Philip J. Farrelly and Lyman Anson. New York, Dodd, Mead and Company, 1965, 1942, 310 pages. [A memoir of life in Barrow before the establishment of NARL.]
- Bryant, John H. and Harold N. Cones. Dangerous crossings: The first modern Polar expedition, 1925. Annapolis: Naval Institute Press, 2000, 232 pages. [History of MacMillan's 1925 air expedition.]
- Bulatov, Vladimir Nikolaevich. Arkticheskaia Komissiia. The Arctic Commission. Voprosy Istorii 8-9 (1992): 148-150. [In Russian.]
- Burkhanov, V. F. (Vasilii Fedotovitch). New Soviet discoveries in the Arctic. Moscow: Foreign Languages Pub. House, 1956, 59 pages. [Translated from the Russian.]
- Cabaniss, G.H., K.L. Hunkins, and Norbert Untersteiner, compilers. US-IGY Drifting Station Alpha, Arctic Ocean 1957-1958. Bedford, Massachusetts: Air Force Cambridge Research Laboratories, Special Reports, no. 38, 1965, 322 pages.
- Calvert, J. Surface at the Pole: The Extraordinary Voyages of the USS Skate. Washington, D.C.: Naval Institute Press, 1996, 220 pages.
- Canadian Arctic Expedition (1913-1918). Report of the Canadian Arctic Expedition, 1913-1918. Ottawa: F. A. Acland, 1919-1946, 14 volumes.
- Capelotti, P.J. By airship to the North Pole: An archaeology of human exploration. New Brunswick, New Jersey: Rutgers University Press, 1999, 211 pages.
- Carpine, Jacqueline. The history of GEBCO 1903-2003: The 100-year story of the General Bathymetric Chart of the Oceans. Lemmer, The Netherlands : GITC bv, 2003, 140 pages.

Casarini-Wadhams, Maria Pia. *By submarine to the Arctic: Sir Hubert Wilkins' Nautilus expedition of 1931* Cambridge: Master's Thesis, Scott Polar Research Institute, University of Cambridge, 1989, 94 pages

Chapman, Frederick Spencer, 1907-. *Northern lights: The official account of the British Arctic air-route expedition*. New York: Oxford University Press, 1933, 304 pages.

Chaturvedi, Sanjay. *The Polar Regions: A political geography*. Chichester; New York; Brisbane: John Wiley and sons, published in association with the Scott Polar Research Institute, 1966, 306 pages.

Chauchon, Robert. *Groenland, 1948-1953: transports par téléphérique*. Paris: Expéditions polaires françaises, 1955, 24 pages.

Clayton, H.H. *The bearing of polar meteorology on world weather*. In: *American Geographical Society of New York. Problems of polar research: A series of papers by thirty-one authors*. New York: American Geographical Society, 1928: 27-37.

Coachman, Lawrence K. *Physical oceanography of the Arctic Ocean*. In *Arctic Drifting Stations*, by J.E. Sater, coordinator. Washington, D.C.: Arctic Institute of North America, 1968, pp. 255-280.

Coachman, Lawrence K., 1926-. *Physical Oceanography in the Arctic Ocean*. *Arctic* 22 (1969): 214-224.

Coachman, Lawrence K., 1926-. *Bering Strait: The regional physical oceanography*. Seattle: University of Washington Press, 1975, 172 pages.

Coachman, Lawrence K., 1926-, and K. Aagaard. *Physical Oceanography of Arctic and Subarctic Seas*. In: *Marine Geology and oceanography of the Arctic Seas*, edited by Yvonne Herman. New York; Heidelberg; Berlin: Springer-Verlag, 1974: 1-72.

Coleman, A.P. *Unsolved geological problems of Arctic America*. In: *American Geographical Society of New York. Problems of polar research: A series of papers by thirty-one authors*. New York: American Geographical Society, 1928: 63-72.

Collins, Henry B. and W.E. Taylor, Jr. *Diamond Jenness (1886-1969)*. *Arctic* 23 (1970): 71-81.

Condon, Richard G. *Nathusiak (ca. 1885-1947)*. *Arctic* 45 (1992): no. 1: 90-92. [Obituary of a participant in the Stefansson-Anderson expedition of 1908 and the Canadian Arctic expedition of 1913-1918.]

Collinder, P. *Echo sounding and other hydrographical observations during an expedition in the Greenland and barents Seas*. *Geografiska Annaler* 1930: 193-214.

Cooke, A. and C. Holland. *The Exploration of Northern Canada 500 to 1920: A Chronology*. Toronto: 1978, 526 pages. [Encyclopedic work documenting over a thousand expeditions to the circumpolar Arctic and including an excellent bibliography.]

Corley, Nora T. Marie Tremaine 1902-1984. *Arctic* 38 (1985), no. 2: 165-166.

Coutau-Bégarie, Hervé. *Arctique: La guerre des glaces*. *Défense Nationale* 45 (May 1989): 39-52.

Crary, A.P., R.D. Cotell and J. Oliver. *Geophysical Studies in the Beaufort Sea*. *Transactions, American Geophysical Union* 33 (1952): no. 2: 211-216.

Crawford, Elisabeth, Terry Shinn and Sorlin Sverker, editors. *Denationalizing science: The contexts of international scientific practice*. Dordrecht; Boston: Kluwer Academic Publishers, 1993, 301 pages.

Croix, Robert de la. *Le Sacrifice D'Amundsen devant la tragique Odysee de l'ITALIA*. *Miroir de l'Histoire* 6 (1955). No. 68: 306-314.

Cross, Wilbur. *Disaster at the Pole: The Tragedy of the Airship Italia and the 1928 Nobile Expedition to the North Pole*. New York: Lyons, 2000, 320 pages.

Cruise of U.S.S. *Nereus* in Bering Sea and Chukchi Sea, 1947. *Polar Record* 7 (1954), no 47: 38.

Dahle, Kolbain. *Svalbard exploration history*. In: *International scientific cooperation in the Arctic*, edited by Eugene Bouzney. Moscow: Scientific World, 2002, pp. 80-82.

Dawes, Peter R. and Robert L. Christie. *Per Schei (1875-1905)*. *Arctic* 39 (1986), no. 1: 106-107.

De Syon, Guillaume, 1966-. *Zeppelin! : Germany and the airship, 1900-1939*. Baltimore, Maryland: Johns Hopkins University Press, 2002, 295 pages.

Deacon, Margaret. *Sir George Strong Nares (1831-1915)*. *Arctic* 38 (1985), no. 2: 148-149.

Deacon, Margaret. *Scientists and the sea, 1650-1900: a study of marine science*. London, New York, Academic Press, 1971, 445 pages.

Deacon, Margaret, Tony Rice and Colin Sommerhayes, eds. *Understanding the Oceans: A century of ocean exploration*. London and New York: UCL Press, 2001, 158-172.

Deacon, Margaret and Savours, Ann. *Sir George Strong Nares (1831-1915)*. *Polar Record* 18 (1976) no.113: 127-142.

Derzhaven, V.L. Archives papers on the Swedish-Russian Arc-of-Meridian expedition. In: International scientific cooperation in the Arctic, edited by Eugene Bouzney. Moscow: Scientific World, 2002, pp. 86-89.

Devik, O. Sverdrup, Harald Ulrik, 1888-1957. Norsk biografisk leksikon 15 (1965), no. 5: 379-387.

Dietrich, Gunter. The International "Overflow" Expedition (I.C.E.S.) of the Iceland-Faroe Ridge, May-June 1960: A Review. Rapports, Process Verbaux, Conseil International Pour L'Exploration De La Mer 157 (1967): 268-274.

Dietrich, Gunter and W. Horn. Norwegian Sea Expedition 1969: Report of the Coordinator. "Meteor" Forsch.-Ergeb., A, 12 (1973): 1-10.

Dietz, Robert S. Soviet Oceanography 1964: A Trip Report. Wasnington, D.C.: U.S. Department of Commerce, Coast and Geodetic Survey, 1965, 23 pages. [Includes brief description of the Arctic and Antarctic Research Institute, Leningrad and PINRO, Murmansk.]

Douglas, John. Expedition photography. The Geographical Journal 145 (1979), No. 2: 282-297.

Driggers, V. Wendell. Edward H. Smith and the 1928 Marion Expedition Revisited: A Compilation. In: Oceanography: The Past, edited by Mary Sears and Daniel Merriman. New York; Heidelberg; Berlin: Springer-Verlag, 1980: 114-126. [In proceedings of the 3d International Congress on the History of Oceanography.]

Dunbar, M.J. Eastern arctic waters: a summary of our present knowledge of the physical oceanography of the eastern arctic sea, from Hudson Bay to Cape Farewell and from Belle Isle to Smith Sound. Ottawa : Fisheries Research Board of Canada, 1951, 131 pages.

Dunbar, M.J. and D.M. Moore. Marine life and its environment in the Canadian Eastern Arctic. Montreal : Marine Sciences Centre, McGill University, 1980, 119 pages.

Dunbar, M.J. and Gareth Harding. Arctic Ocean water masses and plankton, A Reappraisal. In Arctic Drifting Stations, edited by J.E. Sater. Washington, D.C.: Arctic Institute of North America, 1968, 315-326.

Eckener, Hugo. My Zeppelins. Translated from the German by Douglas Robinson. With a technical chapter by Knut Eckener. London: Putnam, 1958, 216 pages. [Account of flight of airship Graf Zeppelin from Arkhangelsk to Zemlya Frantsa-Iosifa, northern Taymyr Peninsula, Severnaya Zemlya and Novaya Zemlya, July 1931. Abridged from original German edition Zeppelin über Länder und Meere, Flensburg, 1949. Chapter 6 discusses Arctic flight, 1931.]

Elg, M., B. Beckman and H. Hoppe, editors. Expedition YMER-80. Stockholm: SSAG, 1981, 176 pages.

Ellsworth, Lincoln, 1880-1951. Air pioneering in the Arctic; the two polar flights of Roald Amundsen and Lincoln Ellsworth. Part I: The 1925 flight from Spitzbergen to 88 degrees north; part II: The first crossing of the polar sea, 1926. New York: National Americana Society, 1929, 126 pages.

Edwards, R.Y. Engineering research in support the development of Arctic Sea transportation. *Marine Technology Society Journal* 4 (1970), no. 5: 44-59.

Eliasson, Pår, Cornelia Lüdecke and Urban Wråkberg. The history of climatology in the Arctic: German weather stations at Spitsbergen, 1941-1945. In: *Polarforskningssekretariatets årsbok 2000*, edited by Eva Grönlund. Stockholm: Swedish Polar Research Secretariat, 2001: 65-66.

Ellitsgaard-Rasmussen, K. Geological Investigation of Greenland: Past and present. In: *Geology of the Arctic; proceedings, International Symposium on Arctic Geology*. (1st:1960: Calgary, Alberta), edited by Gilbert O. Raasch. Toronto: University of Toronto Press, 1961, volume 2: 1185-1187.

Eparin, M.M. The developent of Soviet fisheries in the Northern basin for 50 years. PINRO. *Materiale Rybokhoziaistvonnykh Issledonanii Severnogo Basseina* 11 (1968): 25-28. [In Russian]

Eriksson, B.E. Climatology and Meteorology. Swedish-Norwegian Arctic Expedition, 1931. *Geografiska annaler* 4 (1931): 2-3.

Erskine, Angus B. Victor Campbell and Michael Barne in Svalbard: and the 1914 Voyage of Willem Barents. *Polar Record* 30 (1994), no. 173: 117-122.

“Expedition Ymer-80,” *Ymer* 1981 (Stockholm 1981).

Expéditions polaires Françaises. Campagne préparatoire au Groenland, 1948
Paris: Expéditions polaires françaises, 1954, 79 Pages.

Expéditions polaires Françaises. Campagne au Groenland, 1951, by Gaston Rouillon et al. Paris: Expéditions polaires françaises, 1953, 179 pages.

Expéditions polaires Françaises. Contribution à la connaissance de l'Inlandsis du Groenland. S.l.: s.n., 1954, 56 pages.

Expéditions polaires Françaises. Les observations météorologiques de la station française du Groenland : 7055'03"N--4038'22"W--altitude 2993 m, conditions atmosphériques en surface du 5 septembre 1949 au 20 juin 1950, Rédigé par M. Bouché. Paris: Expéditions polaires françaises, 1954, 2 volumes.

Expéditions polaires françaises. Les observations météorologiques de la station française du Groenland: 70 deg. 55'03" N--40 deg.38'22" W-- altitude 2993 m; conditions atmosphériques en altitude du 17 septembre 1949 au 10 août 1951, by Bernard Bedel. Paris: Expéditions polaires françaises, 1954, 119 p.

Expéditions polaires françaises. Les observations météorologiques de la station française du Groenland:7005'03" N--40038'22" W--altitude 2993 m, conditions atmosphériques en surface du 21 juin 1950 au 15 août 1951 . Paris: Expéditions polaires françaises, 1956, 2 volumes.

Expéditions polaires françaises. Terre Adélie, Groenland, 1947-1955: Bibliographie. Grenoble: B. Arthaud, 1956, 51 pages.

Expéditions polaires françaises. Terre Adélie, Groenland, 1947-1955 :|brapport d'activités. Grenoble: Arthaud, 1956, 151 pages.

Expeditionsprogramm. Bremerhaven: Alfred-Wegener-Institut für Polar- und Meeresforschung, Arktis 6 (1989), 57. [Expedition program of the FS "Polarstern" in German with some text in English]

Fairley, T.C., editor. Sverdrup's Arctic Adventures. Adapted from New land: four years in the Arctic regions, by the Norwegian explorer Otto Sverdrup, translated from the Norwegian by Ethel Harriet Hearn. London: Longmans, 309 pages.

Feeney, R. E. Food technology and polar exploration: Problems faced by polar explorers in the 19th and 20th centuries stimulated improvements in subsequent food supplies. Arctic Medical Research 51 (1992), no. 1: 35-46.

Fifty years of ocean discovery: National Science Foundation, 1950-2000. Washington, D.C.: National Academy Press, 2000, 269 pages.

Finnie, Richard S. Joseph Elzear Bernier (1852-1934). Arctic 39 (1986), no. 3: 272-273.

Fisher, Robert L., A.J. Carsola and George Shumway. Deep-sea bathymetry north of Point Barrow. Deep Sea Research 5 (1958): 1-6.

Fogelson, Nancy. Arctic Exploration and International Relations, 1900-1932. Fairbanks: University of Alaska Press, 1992. 220 pages.

Folk, G. Edgar, Jr. and Mary Arp Folk, editors. Vikhjalmur Stefansson and the development of Arctic terrestrial science. Iowa City, Iowa: University of Iowa, 1984, 239, 239 pages.

Fortier, Y.O., et al. Geology of the North-Central Part of the Arctic Archipelago, Northwest Territories (Operation Franklin). Geological Survey of Canada Memoir 320, 1963, 671 pages.

- Foster, Michael and Carol Marino. *The Polar Shelf: The Saga of Canada's Arctic Scientists*. Toronto: Toronto NC Press, 1986, 127 pages.
- Francis, Daniel. *Discovery of the north: The exploration of Canada's Arctic*. Edmonton: Hurtig Publishers, 1986, 224 pages.
- Franckx, Erik. *Marine Scientific Research and the Soviet Arctic*. *Polar Record* 27 (1991), no. 163: 325-337.
- Frängsmyr, Tore. *Science in Sweden: The Royal Swedish Academy of Sciences, 1739-1989*. Canton, Massachusetts: Science History Publications, U.S.A., 1989, 291 pages.
- Frängsmyr, Tore. *Swedish Polar Exploration*. In Frängsmyr, Tore, ed. *Science in Sweden: The Royal Swedish Academy of Sciences 1739-1989*. Canton, Mass: Science History Publications, 1989, pp. 177-198.
- French H. *The development of periglacial geomorphology: 1-up to 1965*. *Permafrost and Processes* 14 (2003) no. 1: 29-60.
- Friedman, Robert Marc. "Background to the Establishment of Norsk Polarinstitut: Postwar Scientific and Political Agendas." *Svalbard - fra Ingenmannsland til del av Norge: Rapport fra et Seminar i Longyearbyen, 15-17 Mars 1995, Rapport Nr. 3/95*.
- Friedman, Robert Marc. *Contexts for Constructing an Ocean Science: The Career of Harald Ulrik Sverdrup (1888-1957)*. In: *Oceanographic History: The Pacific and beyond*, edited by Keith R. Benson and Philip F. Rehbock. Seattle: University of Washington Press, 2002: 17-29.
- Friedman, Robert Marc. *The Expeditions of Harald Ulrik Sverdrup: Contexts for Shaping an Ocean Science*. La Jolla: Scripps Institution of Oceanography, 1986, 49 pages.
- Friedman, Robert M. *Polar dreams and California sardines: Harald Ulrik Sverdrup and the study of ocean circulation prior to World War II*. In: Deacon, Margaret, Tony Rice and Colin Sommerhayes, eds. *Understanding the Oceans: A century of ocean exploration*. London and New York: UCL Press, 2001, 158-172.
- Friis, Herman R. and Shelby G. Bale, Jr. *United States polar exploration*. Athens, Ohio: Ohio University Press, 1970, 199 pages. [Proceedings of Conference on United States Polar Exploration held at the National Archives, Washington, D.C., 1967 on the occasion of the opening the Center for Polar Archives.]
- Gee, David G. and Alexander M. Tebenkov. *Russian-Swedish collaboration in the Svalbard Caledonides during 1990's*. In: *International scientific cooperation in the Arctic*, edited by Eugene Bouzney. Moscow: Scientific World, 2002, pp. 154-156.

- Geowissenschaftliche Spitzbergen-Expedition. Geowissenschaftliche Spitzbergen-Expedition 1990-1992. Berlin: Gebr. Borntraeger, 1994, 274 p.
- Gersonde, R. Die Expedition "Arkis III" mit FS Polarstern, 1985. Berichte zur Polarforschung, 28 (1986): 113 pages.
- Gjertz, Ian and Berit Mørkved. Norwegian Arctic expansionism, Victoria Island (Russia) and the Bratvaag Expedition. Arctic 51 (1998), no. 4: 330-335.
- Goldberg, Fred. Drama in the Arctic. SOS Italia. The search for Nobile and Amundsen. A diary and postal history. Lidingö 2003. [In English.]
- Goodspeed, D.J. A history of the Defense Research Board of Canada. Ottawa: E. Cloutier Queen's Printer, 1958, 259 pages.
- Gordienko, P.A. and A.F. Laktinov. Principal results of the latest oceanographic research in the Arctic Basin. Akad. Nauk. SSSR., Izvestiya, Geographical Series 5 (1960): 22-23.
- Grainger, E.H. M.V. Calanus. Arctic 48 (1995), no. 4: 391-392. [This history of a Canadian marine vessel includes discussion of earlier vessels used to collect data at sea in Arctic waters.]
- Gratz, Arthur, L. Johnson and J.F. Sweeney, editors. The Arctic Ocean region. Boulder, Colorado: Geological Society of America, 1990, 644 pages.
- Gray, David. The Muskoxen of Polar Bear Pass. Markham, Ontario: Fitzhenry & Whiteside, 1987, 191 pages.
- Greene, Mott T. Alfred Wegener. Social Research 51 (1984): 739-61.
- Griffiths, Franklyn, editor. Arctic alternatives: Civility or militarism in the circumpolar North. Toronto, Ontario: Science for Peace; Downsview, Ontario: S. Stevens, 1992, 313 pages.
- Griffiths, Franklyn. Arctic and North in the Russian Identity. Toronto: University of Toronto Press, 1990.
- Griffiths, Franklyn. Politics of the Northwest Passage. Kingston: McGill-Queen's University Press, 1987, 313 pages.
- Grigoriev, M.N., et. al. Russian-German Cooperation System Laptev Sea - The Expedition LENA 2002. Berichte zur Polar- und Meeresforschung 466 (2003): 1-341.
- Gromov, B. Gibel' "Cheliuskina." Moscow: Goslitizdat, 1936.
- Gruber, Ruth, 1911-. I went to the Soviet Arctic. New York: Simon and Schuster, 1939, 333 pages.

Hachey, H.B. *Oceanography and Canadian Atlantic waters*. Ottawa : Fisheries Research Board of Canada, 1961, 120 pages.

Hare, F. Kenneth. The Arctic. *Quarterly Journal of the Royal Meteorological Society* 94 (1960), 439-459.

Hare, F. Kenneth. No Great Change: A Commentary on 50 Years of Watching Arctic Science. In: *Arctic Environment: Past, Present & Future*, edited by Ming-ko Woo and Denis J. Gregor. Hamilton, Ontario: Department of Geography, McMaster University, 1992, 7-16.

Harrington, C.R., editor. *Canada's missing dimension: Science and history in the Canadian Arctic Islands*. Ottawa: Canadian Museum of Nature, 1990, 2 volumes.

Harris, R.A. *Arctic Tides*. Washington, D.C.: U.S. Government Printing Office, 1911, 103 pages.

Harrison, R. and G. Hodgson. Forty years of Arctic: The Journal of the Arctic Institute of North America. *Arctic* 40 (1987), no. 4: 321-345.

Harwood, T.A. Modern Methods of Exploration in the Canadian Arctic Islands with Special Respect to Logistical Problems. In: *Geology of the Arctic; proceedings, International Symposium on Arctic Geology*. (1st: 1960: Calgary, Alberta), edited by Gilbert O. Raasch. Toronto: University of Toronto Press, 1961, volume 2: 1102-1111. [Describes methods of exploration and logistics in the Arctic islands of northern Canada since 1946.]

Haushofer, Albrecht. Alfred Wegener. *Deutsche Rundschau für Geographie und Statistik* 228 (1931): 250-253.

Hayes, Derek, 1947-. *Historical atlas of the Arctic*. Vancouver, British Columbia: Douglas & McIntyre; Seattle, WA: University of Washington Press, 2003, 208 pages.

Hela, I. Hydrographic results of the "Aranda" expedition to the Barents Sea in July 1957. *Rapports et Proces-Verbaux des Reunions*, Copenhagen 149 (1961): 17-24.

Helland-Hansen, Bjorn, 1877-. *The Norwegian Sea; its physical oceanography based upon the Norwegian researches 1900-1904*, by Bjørn Helland-Hansen and Fridtjof Nansen. Kristiania: Det Mallingske bogtrykkeri, 1909, 390 pages.

Helland-Hansen, Bjorn, 1877-. *The sea west of Spitsbergen. The Oceanographic observations of the Isachsen Spitsbergen Expedition in 1910*. Vid.-Selskap. Skrifter, I, Mat. -Naturv. Kl Kybwad, Christiania 2 (1912), no. 12, 89 pages.

Helmer, James. Diamond Jenness (1886-1969). *Arctic* 36 (1983), no. 1: 108-109.

Hempel, Gotthilf. Marine Polar Research in the Federal Republic of Germany. In: Ocean Sciences: Their History and Relation to Man, Proceedings of the 4th International Congress on the History of Oceanography, edited by Walter Lenz and Margaret Deacon. Deutsche Hydrographische Zeitschrift, Ergänzungsheft Reihe B. Nr. 22 (1990): 48-61.

Hempel, Gotthilf, editor. The Ocean and the poles: Grand challenges for European cooperation. Jena; New York: Gustav Fischer, 1995, 381 pages.

Hempel, Gotthilf. R/V Polarstern, the new polar research and supply vessel of the Federal Republic of Germany. Geo Journal 7 (1983): 378-382.

Henson, Matthew A. A Negro explorer at the North Pole. New York: Frederick A. Stokes, 1912.

Heritage of the Russian Arctic: research, conservation, and international co-operation : proceedings of the International Scientific Willem Barents Memorial Arctic Conservation Symposium, held in Moscow, Russia, 10-14 March 1998, editorial board, B.S. Ebbinge, Yu. L. Mazourov, P.S. Tomkovich; translation by Yu. V. Morozov. Moscow: Ecopros ; [The Hague] : Ministry of Agriculture, Nature Management, and Fisheries [distributor], 2000, 640 pages.

Herlinveaux, R.H. and R.R. de Lange Boom. Physical Oceanography of the Southeastern Beaufort Sea. Beaufort Sea Technical Report No. 18, Dept. of the Environment Victoria, B.C. 1975. [This includes a two page summary of physical oceanographic studies in the southeastern Beaufort Sea.]

Hessler, V.P. Critique and evaluation of drifting station operation, ARLIS III and ARLIS IV. In: Arctic Drifting Stations edited by J.E. Sater. Washington, D.C.: Arctic Institute of North America, 1964: 101-106.

Hestmark, Geir. Fridtjof Nansen and the Geology of the Arctic. Earth Sciences History 10 (1991), no. 2: 168-212.

Heuberger, Jean Charles. Forages sur l'Islandsis. Paris: Hermann, 1954, 64 pages.

Holland, Clive, ed. Arctic Exploration and Development c.500 B.C. to 1915: An Encyclopedia. New York & London: Garland Publishing, 1994, 704 pges.

Holland, Clive. Farthest north: The quest for the North Pole. Toronto: McClelland and Stewart; New York: Carrell and Graf; London: Robinson, 1994, 305 pages. [Includes some 20th century material.]

Holtedahl, Olaf. Report of the scientific results of the Norwegian expedition to Novaya Zemlya 1921. Kristiana: A.W. Brøggers Boktrykkeri, 1924-30, variously paginated.

- Home, R.W. and S.G. Kohlstedt, eds. *International Science and National Scientific Identity*. Dordrecht, Boston, London: 1991, 318 pages.
- Honderich, John. *Arctic Imperative: Is Canada Losing the North?* Toronto: University of Toronto Press, 1987, 358 pages.
- Hoppe, G. S. Bjorn-Rasmussen and M. Wiberg-Roland, Editors. *Expeditionen Ymir-80 en slurtrapport*. Stockholm: Kungl. Vetenskapsakademien. Polarforskningskommitten, 1987.
- Hoppe, G.S. Till 100-Årsdagen av Hans W:son Ahlmanns födelse. En tillbakablick. *Ymer* 1990: 96-105.
- Horensma, Pier. *The Soviet Arctic*. London; New York: Routledge, 1991, 228 pages.
- Horn, G. Gratvaag ekspedisjonen finner leiren. In: Svenska Sällskapet för Antropologi och Geografi. *Med Ørnen mot pollen*. Oslo: Gyldendal Norsk Forlag, 1930, 160-179.
- Horn, G. Ekspedisjonen til Franz Josefs Land. *Norsk Geografisk Tidsskrift* 23 (1931): 396-405.
- Horwood, Harold. *Bartlett, the great Canadian Explorer*. Toronto: Doubleday, 1977.
- Hunkins, et. al. The Fram I Expedition, *EOS Transactions of the American Geophysical Union* 60 (1979), no. 52: 1043-1044. [Report on a 1976 expedition that attempted to repeat the drift of Nansen's research vessel with the US Coast Guard icebreaker *Burton Island*.]
- Interagency Arctic Research Coordinating Committee. Ad Hoc Working Group on Arctic Logistics. *Arctic research logistics support handbook*. Washington: National Science Foundation, 1972, 108 pages.
- International Arctic Science Committee. *Scientific plan for a regional research programme in the Arctic on global change: Proceedings of a workshop at Reykjavik, Iceland, 22-25 April 1992*. Washington, D.C.: IASC, 1994, 106 pages.
- International Arctic Science Committee Meeting, 1995 (Rovaniemi, Finland). *The 1995 IASC Meeting report*. Oslo, Norway: The Secretariat, International Arctic Science Committee, 1995, 29 pages.
- Jacobsen, George. *Jacobsen-McGill University Expedition Axel Heiberg Island, 1959-61*. In: *Geology of the Arctic; proceedings, International Symposium on Arctic Geology*. (1st: 1960: Calgary, Alberta), edited by Gilbert O. Raasch. Toronto: University of Toronto Press, 1961, volume 2: 1188-1196.

Jackson, H.R., P.J. Mudie and S.M. Blasco. Initial geological report of CESAR: The Canadian Expedition to Study the Alpha Ridge, Arctic Ocean. Geological Survey Canada Paper 84-22 (1985).

Jacobshagen, Volker, et. al., editors. Alfred Wegener 1880-1930. Leben und Werk. Ausstellung anlässlich der 100. Wiederkehr seines Geburtsjahres. Berlin: Dietrich Reimer Verlag, 1980, 60 pages. [Published to accompany an exhibition.]

Jakhelln, A. Oceanographic investigations in East Greenland waters in the summers of 1930-1932. Skrifter om Svalbard og Ishavet 67 (1936), 79 pages.

Jenness, Diamond. Comparative vocabulary of the western Eskimo dialects. Ottawa, Acland, 1928, 134p.

Janness, Diamond, 1886-1969. Dawn in Arctic Alaska. Minneapolis: University of Minnesota Press, 1957, 222 pages. [The author's experiences as a member of the Stefansson Expedition.]

Jenness, Diamond, 1886-1969. The life of the Copper Eskimos. Ottawa, F.A. Acland, 1922, 277 pages.

Jenks, Shepard M. Operation Sunshine: the transpolar voyage of the U.S.S. Nautilus beneath the ice of the Arctic Basin, August 1958. In: United States polar exploration, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 31-34.

Jenness, Diamond. Material culture of the Copper Eskimo. Ottawa, E. Cloutier, 1946, 148 pages.

Jenness, Diamond. Myths and traditions from northern Alaska, the Mackenzie Delta, and Coronation Gulf. Ottawa: F. A. Acland, 1924,

Jenness, Diamond. Physical characteristics of the Copper Eskimos. Ottawa: Acland 1923, 89 pages.

Jenness, Diamond and Helen H. Roberts. Songs of the Copper Eskimos. Ottawa, F. A. Acland, 1925, 506 pages.

Jenness, Stuart E. Arctic wolf attacks scientist: A unique Canadian incident. Arctic 38 (1985), no. 2: 129-132. [Account of a wolf attack during 1913-1918 Canadian Arctic Expedition.]

Jenness, Stuart E, editor. Arctic Odyssey: The diary of Diamond Jenness, 1913-1916. Hull: Canadian Museum of Civilization, 1991, 902 pages.

Johnson, J. Peter. The Establishment of Alert, N.W.T. Canada. Arctic 43 (1990), no. 1: 21-34. [History of the establishment of Canadian weather station Alert in 1950.]

Johnston, Carl B. Problems of working on a drifting station. In: Arctic Drifting Stations edited by J.E. Sater. Washington, D.C.: Arctic Institute of North America, 1964: 91-99.

Johnstone, K. The Aquatic Explorers: A History of the Fisheries Research Board of Canada. Toronto: University of Toronto Press, 1972, xv, 342 pages.

Kofoed, Charles Atwood. The Biological Stations of Europe. Bulletin, United States Bureau of Education 4 (1910), 360 pages.

Kaczynski, Vladimir. The status and potential of the Soviet ocean science after 200 mile economic zone. Rockville, Maryland: NOAA Office of Policy & Planning, [1984], 60 pages. [Includes description of the Russian oceanographic research fleet, including four polar vessels.]

Kamanin, N. Na Pomoshch' Cheliuskintsam. To the aid of the crew of the Cheliuskin. Voenno-Istoricheskii Zhurnal 12 (1970), no. 12: 51-59.

Karpov, J.M. Public versus private initiative in Arctic exploration: The effects of incentives and organizational structure. Journal of Political Economy 109 (2001), no. 1: 38-78.

Kelly, Brendan P. Francis Hollis Fay (1927-1994). Arctic 48 (1995), no. 1: 107-108. [Obituary of the marine mammalogist famous for his Arctic work on the walrus.]

Keskitalo, E.C.H. (Eva Carina Helena), 1974-. Negotiating the Arctic: the construction of an international region. New York: Routledge, 2004, 282 pages.

King, H. G. R. The Arctic. Oxford, England; Santa Barbara, Calif.: Clio, 1989, 272 pages.

Kirwan, Laurence Patrick. A history of polar exploration. New York: W. W. Norton, 1960, 374 pages.

Kirwan, Laurence Patrick. The white road: A survey of polar exploration. London: Hollis & Carter, 1959, 374 pages.

Kjellström, Rolf. Expedition I liten båt. Om en tysk expedition 1912-1913. In: Breven från arktis. Stockholm: Carlsson, 2003, 79-100. [In Swedish. Expedition in a little boat. On a German expedition 1912-1913.]

Kjellström, Rolf. Gräl på höga latituder. In: Breven från arktis. Stockholm: Carlsson, 2003, 135-161. [In Swedish. Quarrels on high latitudes.]

Kjellström, Rolf. Livet var kort men härligt. Dagbok från Danskön av Harald Simonsen och Torgeir Mökleby 1922. . In: Breven från arktis. Stockholm: Carlsson, 2003, 183-

226. [In Swedish. Life is short but beautiful. Harald Simonsen's and Torgeir Mökleby's diary from Danskön 1922.]

Kjellström, Rolf. Lämnad på Grönlands inlandsis. Thorild Wulffs brev från norra Grönland. In: Breven från arktis. Stockholm: Carlsson, 2003, 45-55. [In Swedish. Left behind on Greenland's ice. Thorild Wulff's letters from northern Greenland, 1917.]

Klenova, M. V. Osadki Arkticheskogo basseina po materialam dreifa l/p "G. Sedov." Moskva: Izd-vo Akademii nauk SSSR, 1962, 103 pages.

Koch, L. The Danish Expedition to East Greenland in 1929. Meddeleser om Grönland 74 (1930) no. 10: 173-205.

Kokk, D. Otto Sverdrups liv. Oslo: Jacob Dybwad, 1934.

Kolchak, A. The Arctic pack and the polynya. In: American Geographical Society of New York. Problems of polar research: A series of papers by thirty-one authors. New York: American Geographical Society, 1928: 125-141. [Translation of A. Kolchak, Led Karskago I Sibirskago Morei (The ice of the Kara and Siberian Seas), Résultats scientifique de l'Expédition Polaire Russe en 1900-1903 sous la direction du Baron E. Toll, Section B: Géographie physique et mathématique, Livraison I. Zapiski Imp. Akad. Nauk, Series 8, Phys.-Math. Class, volume 26, no. 1 (St. Peterburg, 1909.)]

Kondrat'ev, K.Y. , V.V. Melent'ev and Yu. I. Rabinovich. Sovetsko-amerikanskii e'ksperiment "Bering". Meteorologiya I gidrologiya 11 (1973): 3-10.

Kondrat'ev, K.Y. USSR/USA Bering Sea Experiment. Rotterdam: A.A. Balkema, 1982, 307 pages.

Korotaev, K., Miroshnikov, I., Timoshenko, N. and Kiselev, Iu. Podvodnyi Lik Arktiki. The underwater image of the Arctic. Morskoi Sbornik 2 (1988): 74-76.

Kotlyakov, Vladimir. International cooperation of Russian glaciologists at Spitsbergen. In: Breven från arktis. Stockholm: Carlsson, 2003, 157-158. [In English.]

Krauss, Reinhard. Zur Gründungspase der Deutschen Polarforschung in den jahren 1865 bis 1875. In: Meeresforschung in Hamberg Von vorgestern bit übermorgen, Herausgegeben von Gerd Wegner. Deutsche Hydrographische Zeitschrift, Ergänzungsheft Reihe B, Nr. 25 (1993): 35-61.

Krenkel, Ernst Teodorovich, 1903-. Chet tovarischa. Moscow: Khudozhestvennaia literature, 1940.

Krenkel, Ernst Teodorovich, 1903-. RAEM--moi pozyvnye. Moskva: "Sovetskaia Rossiia", 1973, 494 pages.

Krenkel, Ernst Teodorovich, 1903-. RAEM is my Call-Sign. Moscow: Progress, 1978. [English translation of RAEM--moi pozyvnye, biography of a member of the Cheliuskin Expedition of 1933.]

Kristoffersen, Yngvg, Hans Berge and Erik Grindheim. An ODP-site survey on Lomomnsov Ridge during Arctic Ocean 2001. Polarforskningssekretariatets årsbok 2001. Stockholm: Swedish Polar Research Secretariat, 2002: 64-66.

Kruchnin, Y.A. Soviet names for Arctic Ocean bottom features. Polar Record 19 (1978), no. 119: 182-190.

Kuksin, I.Y. The Arctic Ocean Hydrographic Expedition 1910-1915. Geografiya I prirodnyye resursy, 1 (1991): 147-152. [English translation.]

Kuz'mina, L. P. Iz istorii Russko-Amerikanskogo Sotrudnichestva: Dzhesupovskaia Serero-Tikhookeanskaia Ekspeditsiia 1900-1902. From the history of Russian-American cooperation: the Jesup North Pacific expedition, 1900-02. Sovetskaia Etnografiia 6 (1989): 90-99. [In Russian.]

Kvinge, Thor, et. al. The "Conrad Holmboe" expedition to East Greenland waters in 1923. Universitetet i Bergen Aarbok 15 (1923): 44 pages.

LaFond, Eugene C. Arctic oceanography by submarines. U.S. Naval Institute Proceedings 89 (1960), no. 9, whole number 691: 90-96.

Lajus, Julia A. Early years of biological oceanography in the Russian North: Murman Scientific-Fishery Expedition (1898-1908). In: International Congress on the History of Oceanography (6th: Qingdao, China : 1998). Ocean Sciences Bridging The Millennia: A Spectrum of historical accounts, edited by Selim Morcos, et. al. Qingdao: UNESCO and china Ocean Press, 2004, 127-131.

Laktionov, A.F. Oceanographic research in central Arctic: Some problems and results of oceanology research. Articles x-Section of the IGY Program (Oceanology), no. 1 (1959). [In Russian.]

Landström, Torstein. Andrée's polarexpedition 1896. Granna: Andreemuseet, 1996, 35 pages.

Lastochkin, A.N., G.D. Naryshkin. New Understanding of the Arctic Ocean bottom topography. Okeanologiia 29, no. 6 (1989): 968-973.

Laursen, Dan. Eigil Greve Knuth, 1903-1996. Arctic 49 (1996), no. 4: 401-403.

Leary, William M. (William Matthew), 1934-. Project COLDFEET: Secret mission to a Soviet ice station. Annapolis, Md.: Naval Institute Press, 1996, 196 pages.

Leary, William M. (William Matthew), 1934-. Under Ice: Waldo Lyon and the development of the Arctic submarine. College Station: Texas A&M Univ. Press, 1999, 303 pages.

Lee, A.J. British fishery research in the Barents Sea. *Polar Research* 8(1957), no. 53: 109-117.

Lee, A.J. The hydrography of the European arctic and subarctic Seas. *Oceanography and Marine Biology Annual Review* 1 (1963): 47-76.

Levere, Trevor H. Henry Wemyss Feilden (1838-1921) and the geology of the Nares Strait Region: With a note on Per Schei (1875-1905). *Earth Sciences History* 10 (1991), no. 2: 213-218.

Levere, Trevor H. Magnetic instruments in the Canadian Arctic Expedition of Franklin, LeFroy and Nares. *Annals of Science* 43 (1986), no. 1: 57-76.

Levere, Trevor H. Science and the Canadian Arctic: A Century of Exploration 1818-1918. Cambridge University Press, 1993.

Levere, Trevor H. Science and the Canadian Arctic, 1818-76, from Sir John Ross to Sir Georges Strong Nares. *Arctic* 41 (1988), no. 2: 127-137.

Lillequist, Gösta. High latitudes: A history of Swedish Polar travels and research. Stockholm: Swedish Polar Research Secretariat in collaboration with Streiffert, 1993, 607 pages.

Lindkvist, Julia. Hans W:son Ahlmanns samling av brev, manuskript och fotograier. Katalog färdigställd i oktober 1991. Hans W:son Ahlmann's collection of letters, manuscripts and photos: catalog completed October 1991 by Julia Lindkvist. Stockholm: Kungliga Vetenskapsakademien, Centrum för vetenskapshistoria, 1991, 130 pages.

Lindsay, Debra. Science in the Subarctic: Trappers, traders, and the Smithsonian Institution. Washington: Smithsonian Institution Press, 1993, 176 pages. [Largely concerns the Smithsonian expeditions of the 19th century.]

Ljungdahl, G.S. Luftskeppet som hjälpmedel vid arktisk forskning. Några reflexioner i anslutning till "Graf Zeppelins" arkiska färd sommaren 1931. *Ymer* 1932: 213-232. [The dirigible as an aid in arctic research. Some comments with reference to the arctic flight of the Graf Zeppelin in the summer of 1931.]

Loewe, Fritz. Alfred Wegener und die moderne Polarforschung. *Polarforschung* 42 (1972): 1-10.

Loomis, Chauncey, The Arctic Sublime. In U.C. Knoepfelmacher, U.C. and G.B. Tennyson, editors. *Nature and the Victorian Imagination*. Berkeley: University of California Press, 1977: 95-112.

Loomis, Chauncey. Biography and the preservation of private papers. In: United States polar exploration, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 127-133.

Love, H.W. Reminiscences: 1965-1975: Ten years of decline and change. *Arctic* 40 (1987), no. 4: 249-251. [On the history of the Arctic Institute of North America.]

Low, A.P. Report on the Dominion Government Expedition to Hudson Bay and the Arctic Islands on board the D.G.S. Neptune 1903-1904. Ottawa: Government Printing Bureau, 1906.

Löwe, Fritz. Études de glaciologie en Terre Adélie, 1951-1952. Paris: Hermann, 1956, 159 pages.

Lüdecke, Cornelia. "Die Deutsche Polarforschung seit der Jahrhundertwende und der Einfluss Erich von Drygalskis. Berichte zur Polarforschung, no. 158 (1995), xiii, 340-372. [German Polar Research since the Turn of the Century and the Influence of Erich von Drygalski. In German.]

Lüdecke, Cornelia. 1999. Problems for further research on the history of science of the Polar Regions, in: The Centennial of S.A. Andrée's North Pole Expedition. Proceedings of a Conference on S.A. Andrée and the Agenda for Social Science Research of the Polar Regions, Urban Wrakberg ed.), Royal Swedish Academy of Sciences, Stockholm, Bidrag till Kungl. Svenska Vetenskapsakademiens Historia, No. 29, p. 154-177

Lüdecke, Cornelia. German marine weather stations of World War II in Spitsbergen. In: International Council of Monuments and Sites, 13th General Assembly, Scientific Symposium, Madrid, Spain 1-5 December 2002, 39-41. [In English.]

Lüdecke, Cornelia. Wetterstationen der Deutschen Kriegsmarine auf Spitzbergen (1941-1945). Ein Besuch im Sommer 2000. Weather station belonging to German marine at Spitsbergen (1941-1945). A visit Summer 2000. *Geohistorische Blätter* 4 (2000), no. 2: 127-133. [In German.]

Lundborg, E. När Nobile Räddades. Mina upplevelser under den svenska Petsbergensexpeditionen 1928. Stockholm, 1928, 217 pages. [When Nobile was rescued: My experiences during the Swedish Spitsbergen expedition 1928.]

Lundström, Sven. "Vår position är ej synnerligen god": Andréexpeditionen I svart och vitt. "Our position is not particularly favorable." The expedition of S.A. Andrée in black and white. Stockholm: Carlsson, 1997, 227 pages.

Luzin, D. Iu. Mezhdunarodnaia Konferentsiia "Voina v Arktike." 1939-1945. "War in the Arctic, 1939-45": an international conference. *Otechestvennaia Istoriia [Russia]* 4 (2002): 210-212.

Lyon, Waldo. Ocean and sea-ice research in the Arctic Ocean via Submarine. *Transactions of the New York Academy of Science*, series 2, volume 23 (1961): 662-674.

Lyon, Waldo. The navigation of Arctic polar submarines. *Journal of Navigation* 37 (1984), no. 2: 155-179.

MacMillan, D.B. "Geographical Report of the Crocker Land Expedition, 1913-1917," *American Museum of Natural History Bulletin* 56 (1928): 379-435.

McConnell, Anita. *Historical Instruments in Oceanography: Background to the Oceanography Collection at the Science Museum*. London: H.M.S.O., 1981, iv, 51.

McConnell, Anita. Historical methods of temperature measurement in Arctic and Antarctic Waters. *Polar Record* 19 (1978), no. 120: 217-231.

McCannon, John. Positive Heroes at the Pole: Celebrity Status, Self-Promotion, and the Stalinist Myth of the Arctic, 1932-1939. *Russian Review* 56 (1997), no. 3: 346-365.

McCannon, John. *Red Arctic: Polar exploration and the myth of the north in the Soviet Union, 1932-1939*. New York: Oxford University Press, 1998, 234 pages.

McCannon, John. To Storm the Arctic: Soviet Polar Expeditions and Public Visions of Nature in the USSR, 1932-1939. *Ecumene* 2 (1995): 15-31.

McKinlay, William Laird. *Karluk: A great untold story of Arctic exploration*. London: Weidenfeld & Nicolson, 1976, 170 pages.

McCannon, John, 1967-. *Red Arctic: Polar exploration and the myth of the north in the Soviet Union, 1932-1939*. New York: Oxford University Press, 1998, 234 pages.

Machoczek, Detlev. Geheime Kommandosach und Routinedienst: Der Polarforscher Franz Nusser (1902 bis 1987). In: *Meeresforschung in Hamberg Von vorgestern bis übermorgen*, Herausgegeben von Gerd Wegner. *Deutsche Hydrographische Zeitschrift, Ergänzungsheft Reihe B, Nr. 25* (1993): 167-178. [In German with English abstract.]

MacLaren, I.S. From exploration to publication: the evolution of a 19th century Arctic narrative. *Arctic* 47 (1994), no. 1: 43-53. [This doesn't touch on the 20th century at all, but it explores the motivations for Arctic narratives.]

Macoun, James Melville. *The flora of Canada*. Ottawa: Government printing bureau, 1917, 14 pages.

Maksimov, Igor Vladislavovich. *Geofizicheskie sily i vody okeana*. Leningrad: Gidrometeoizdat, 1970, 447 pages.

- Makaroff, S. O. The "Yermak" Ice-breaker. *The Geographical Journal* XV (1900):
- Malmberg, S.A. and G. H. Gode, and H.E. Sweers. Report on the second joint Icelandic-Norwegian Expedition to the area between Iceland the Greenland in August September 1965. *NATO Subcommittee on Oceanographic Research* 41 (1967), 44 pages.
- Markin, V.A. History of Scandinavian-Russian scientific cooperation in the Arctic. In: *International scientific cooperation in the Arctic*, edited by Eugene Bouzney. Moscow: Scientific World, 2002, 109-115.
- Markin, Viacheslav A. 2003. Pervaia mezhdunarodnaia kompleksnaia ekspeditsiia v. Arktike. [The first complex international expedition in the Arctic.] *Voprosy Istorii Est Tekh* 24, no. 1:3-16.
- Martin, Constance. H.G.R. King and the Scott Polar Research Institute. *Arctic* 45 (1992);, no. 1: 93-95. [A biography of the SPRI librarian that includes some history of the Institute.]
- Martinsson, Tyrone. *Photographic archaeology and Nils Strindberg's photographs from the Andrée polar expedition 1896-1897*. London: University of Westminster, 2003, 244 pages.
- "Maud" Expedition (1918-1925). *The Norwegian North Polar Expedition with the "Maud" 1918-1925: Scientific results*, edited by H.U. Sverdrup. Bergen, Norway: Printed by John Griegs Boktr., 1927-1939, 5 volumes.
- Milne, Allen R. *Crude oil in cold water: the Beaufort Sea and the search for oil*. Sidney, B. C.: Beaufort Sea Project: available from Institute of Ocean Sciences, Patricia Bay, Dept. of Fisheries and Oceans, 1977?
- Milne, Allen R. and R.H. Herlinveaux. *Crude oil in cold water: the Beaufort Sea and the search for oil*. Fisheries and Oceans Canada, 1975, 119 pages.
- Miller, Floyd. *Ahdoolo: The biography of Matthew A. Henson*. New York: Dutton, 1963, 221 pages.
- Mills, Eric L., 1936-. *Biological oceanography: an early history, 1870-1960*. Ithaca: Cornell University Press, 1989, 378 pages.
- Mountfield, David. *A history of polar exploration*. New York: Dial Press, 1974, 208 pages.
- Mulvaney, Kieran. *At the ends of the earth: A History of the polar regions*. Washington, D.C.: Island Press, Shearwater Books, 2001, 286 pages.

Munk, Walter H. *The Sverdrup Years: A Personal Recollection*. In: *Oceanographic history: the Pacific and beyond*, edited by Keith R. Benson and Philip F. Rehbock. Seattle: University of Washington Press, 2002: 30-31.

Murphy, David T. *German Exploration of the Polar World, 1870-1940*. Lincoln, Nebraska; London: University of Nebraska Press, 2002, 273 pages. [Discusses seven German expeditions to the Arctic and Antarctic, including Wegener's fatal Greenland field trip and the Graf Zeppelin expedition to Franz Josef Land in 1931. Includes a bibliography.]

Murray, John, Sir, 1841-1914. *The depths of the ocean, a general account of the modern science of oceanography based largely on the scientific researches of the Norwegian steamer Michael Sars in the North Atlantic*. London: Macmillan, 1912, 821 pages.

Nansen, Fridtjof. *The Arctic Ocean*. *Encyclopedia Britannica* 31 (1902): 808-812.

Nansen, Fridtjof. *En Ferd til Spitsbergen*. Christiania, 1920.

Nansen, Fridtjof. *Northern waters: Captain Roald Amundsen's oceanographic observations in the arctic Seas in 1901*. *Vitensk. – Selskap Skrifter I, Math.-Naturv. Kl. Dybwad*. Christiania 1, no. 3 (1906), 145 pages.

Nansen, Fridtjof. *The oceanographic problems of the still unknown Arctic regions*, In: *American Geographical Society of New York. Problems of polar research: A series of papers by thirty-one authors*. New York: American Geographical Society, 1928: 3-14.

Nathorst, A.G. *Svenskarnas arbeten på Spetsbergen*. *Nordisk Tidskrift* 1906:461-467.

Nathorst, A.G. *The Swedish Arctic expedition of 1898*. *Geographical Journal* 14 (1899): 51-76, 155-176.

Nathorst, A.G. , J.M. Hulth, G. DeGeer. *Swedish explorations in Spitsbergen 1758-1908*. *Ymer*, 1909: 3-89.

National Research Council (U.S.). *Committee on Polar Research. Science in the Arctic Ocean Basin; A report*. Washington: National Academy of Sciences-National Research Council, 1963, 52 pages.

NATO Advanced Research Workshop on Geological History of the Polar Oceans: Arctic versus Antarctic, edited by Ulrich Bleil and Jörn Thiede. Bremen, Germany: Dordrecht; Boston: Kluwer Academic Publishers: Published in cooperation with NATO Scientific Affairs Division, 1990, 823 pages.

Naryshkin, G. D. (German Dmitrievich). *Sredinnyi khrebet Evraziiskogo basseina Severnogo Ledovitogo okeana*, by G.D. Naryshkin; otvetstvennyi redaktor G.B.

Udintsev. Moskva: "Nauka", 1987, 69 pages. [Mid-oceanic ridge of the Eurasian basin of the Arctic Ocean.]

Nathorst, A.G., et al. Swedish Explorations in Spitsbergen 1758-1980. Ymer 1909

Nauchno-issledovatel'skoe sudno "Akademik Kurchatov" i ego ekspeditsii 1966-1991 = Scientific Research Vessel "Academik Kurchatov" and its Expeditions 1966-1991, by O.A. Kuznetsov, V.V. Burenin. Moskva: Rossiiskaia Akademiia nauk, 2000, 287 pages.

Nelson, Stewart B. Airships in the Arctic. Arctic 46 (1993), no. 3: 278-283.

Nelson, Stewart B. Oceanographic ships, fore and aft. Washington, D.C.: Office of the Oceanographer of the Navy U.S. Government Printing Office, 1983, 240 pages.

Nesbitt, Paul H. A brief history of the Arctic, desert, and tropic information center and its Arctic research activities. In: United States polar exploration, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 134-145.

Newell, John P. Exceptionally large icebergs and ice islands in eastern Canadian waters: A review of sightings from 1900 to present. Arctic 46 (1993), no. 3: 205-211.

Nihon Hosokyo Kyokai "Hokkyokuken" Shuzaihan, Tsundora kaido o dokomademo : kyokuhoku no tabi 8000-kiro. Tokyo: Nihon Hosokyo Shuppan Kyokai, 1990, 227 pages. [Japanese discovery and exploration in the Arctic. In Japanese.]

Nobile, Umberto, 1885-. Addio, "Malyghin!": con i Russi, fra i ghiacci della Terra Francesco Giuseppe ; seguito da una nota storica sulla scoperta ed esplorazione di quella terra. Milano: Mondadori, 1948, 219 pages.

Nobile, Umberto, 1885-. Il destino di un uomo: pagine autobiografiche. Milano: Mursia, 1988, 278 pages.

Nobile, Umberto, 1885-. L'"Italia" al Polo nord. Milano: A. Mondadori, 1930, 475 pages.

Nobile, Umberto, 1885-. My five years with Soviet airships, by Umberto Nobile, translated by Frances Fleetwood. Akron, Ohio: Lighter-than-Air Society, 1987, 153 pages.

Nobile, Umberto, 1885-. Posso dire la verità: storia inedita della spedizione polare dell'"Italia," Con una lettera di Benedetto Croce. Roma: A. Mondadori, 1945, 295 pages.

Nobile, Umberto, 1885-. With the "Italia" to the North pole; English translation by Frank Fleetwood. New York, Dodd, Mead & company, 1931, 358 pages.

Nobile Stolp, Gertrude. Bibliographia di Umberto Nobile. Biblioteconomia e Bibliografia, Saggi e Studi, Firenze: 1984, 112 pages.

Norton, David W., editor. *Fifty More Years Below Zero: Tributes and Meditations for the Naval Arctic Research Laboratory's First Half Century at Barrow, Alaska*. Calgary, Alberta; Fairbanks, Alaska: Arctic Institute of North America; Fairbanks: Distributed by the University of Alaska Press, 2001, 576 pages.

Nossal, "Polar Icebreakers: The Politics of Inertia," in F. Griffiths, ed. *Politics of the Northwest Passage*. Kingston and Montreal, 1987, pp. 216-38.

Nusser, F. Eine Gletschergeschwindigkeitsmessung auf Spitzbergen. I. Jahresbericht des Archivs für Polarforschung im Naturhistorischen Museum in Wien. 1938: 4-5.

Nusser, F. Eisschmelzkegel, ihr Entstehen und Vorkommen. I. Jahresbericht des Archivs für Polarforschung im Naturhistorischen Museum in Wien. 1938: 33-43.

Nusser, F. Die Vereisung des Lilliehöökfjords (Spitsbergen) in den Jahren 1941/42 und 1942/43. *Deutsche Hydrographische Zeitschrift*, Band 3, Heft 5/6 (1950): 286-293.

Obruchev, S. V. (Sergei Vladimirovich), 1891-. *Na samolete v vostochnoĭ Arktike*. Leningrad, Izd. Vses. arkticheskogo in-ta, 1934, 183 pages.

Obruchev, S. V. (Sergei Vladimirovich), 1891-. *Po goram I tundram Chukotki: Ekspeditsiia 1934-1935*. Moskva, Gos. izd-vo geogr. lit-ry, 1957, 196 pages.

Obruchev, S. V. (Sergei Vladimirovich), 1891-. *Po goram I tundram Chukotki: Ekspeditsiia 1934-1935*. Magadan, 1974.

Obruchev, S. V. (Sergei Vladimirovich), 1891-. *Tainstvennye istorii. Ocherki. Vstupit. statia d-ra geogr.* Moskva: "Mysl," 1973, 108 pages.

Oceanographic research by the "Vityaz" in the North Pacific under the I. G. Y. program. (*Okeanologicheskie issledovaniya "Vityazy" v severnoi chasti Tikhogo okeana po programme Mezhdunarodnogo geofizicheskogo goda*), edited by N. N. Sysoev, translated from Russian by N. Kaner, M. Raveh and others. Jerusalem: Israel Program for Scientific Translations available from the U.S. Dept. of Commerce, Clearinghouse for Federal Scientific and Technical Information, Springfield, Va., 1969, 290 pages.

Oceanographic vessels of the World. Washington, D.C.: IGY World Data Center A, National Oceanographic Data Center, 1961, 1 volume. [Includes a black and white photograph of each vessel.]

Oceanologic investigations on "Vityaz," Soviet Industrial Exhibition, 1961. S.l.: s.n., 1961, 8 pages.

Officer, Charles and Page, Jake. *A Fabulous Kingdom: The Exploration of the Arctic*. New York: Oxford University Press, 2001. 222 pages.

Opportunities and priorities in arctic geoscience, by Committee on Arctic Solid-Earth Geosciences, Polar Research Board, Commission on Geosciences, Environment, and Resources, National Research Council. Washington, D.C.: National Academy Press, 1991, 67 pages. [Includes a chapter entitled Logistic Realities and Opportunities, describing facilities, instrumentation, drift stations, satellites, ships and submarines, pp. 46-55.]

Pagnan, Jeanne L. Arctic marine protection. *Arctic* 53 (2000), no. 4: 469-476.

Palander, L. The surveys of Björnöya (Bear Island) 1922-1931. *Norges Svalbard-og Ishavsundersökelse, Skrifter No. 86*, Oslo 1944, 82 pages.

Palander, L., G. Andersson and A. Lagrelius. Professor J.G. Anderssons forknningar I Kina. *Ymer* 1919: 157-173.

Papanin, Ivan Dmitrievich, 1894-. Drift auf der Eisscholle, mit 4 Farband 44 Schwarzweissstafeln und einer Ausschlagkarte. Leipzig: LVZ-Druckerei "Hermann Duncker," 1970, 272 pages.

Papanin, Ivan Dmitrievich, 1894-. Life on an icefloe. London; New York, etc.: Hutchinson & Co., 1947, 240 pages.

Parkin, R. The Origin of the Institute. *Arctic* 19 (1966), no. 1:5-18.

Parsons, Tim. 2005. *The Sea's Enthrall: Memoirs of an Oceanographer*. Victoria, BC : Ecco Nova Editions, 187 pages.

Pavlenko, Vladimir. Commentary: Arctic Research in Russia. *Arctic* 46 (1993), no. 3: iii-iv.

Perroud, Paul. *Astronomie, géodésie, cartographie*. Paris: Expéditions polaires françaises, 1955, 142 pages.

Pettersson, Otto. *Neptun och Mammon: Otto Petterssons brev till Gustaf Ekman, 1884-1929, sammanställda av Elisabeth Crawford och Artur Svansson; sammanbindande texter av Artur Svansson; förord av Elisabeth Crawford*. Göteborg: Tre Böcker, 2003, 221 pages.

Polarforskning och expeditioner: Polarforskningssekretariatet 1984-1994, redaktör Susanne Eriksson. Stockholm: Polarforskningssekretariatet, 1994, 147 pages.

Pool, Beekman H. *Polar Extremes: The world of Lincoln Ellsworth*. Fairbanks: University of Alaska Press, 2002, 311 pages.

Potemra, T.A. The Arctic Explorations of Fridtjof Nansen. *Johns Hopkins APL Technical Digest* 12 (1991), no. 3: 275-283.

- Preliminary data report, R/V Polarstern Cruise Arktis II/3, 19 July-7 August 1984: Physical and chemical data from Rosette samples by James H. Swift. La Jolla: Scripps Institution of Oceanography, 1984, 6 pages. [Report of R/V Polarstern Cruise Arktis II/3].
- Pharand, Donat. Canada's Arctic waters in international law. Cambridge [England] and New York: Cambridge University Press, 1988, 288 pages.
- Polarforskning och expeditioner: Polarforskningssekretariatet 1984-1994, redactor Susanne Eriksson. Stockholm: Polarforskningssekretariatet, 1994, 147 pages.
- Ragner, C.L. The Northern Sea Route – Commercial potential, economic significance and infrastructure requirements. *Post-Soviet Geography and Economics* 41 (2000), no. 8: 541-580.
- Rasmussen, Knud, 1879-1933. Across Arctic America: Narrative of the Fifth Thule Expedition. New York; London: G.P. Putnam's Sons, 1927, 388 pages. [Abridged translation of *Fra Grønland til Stillehavet*.]
- Rasmussen, Knud, 1879-1933. Greenland by the Polar sea: The story of the Thule expedition from Melville Bay to cape Morris Jesup, translated from the Danish by Asta and Rowland Kenney, with preface by Admiral Sir Lewis Beaumont, G.C.B. London, W. Heinemann, 1921, 326 pages.
- Recent Soviet scientific investigations in the North Polar regions, translated by Kenneth R. Whiting. Maxwell Air Force Base, Alabama: Documentary Research Division, Research Studies Institute, 1956, 104 pages. [Translation of the summary by A. F. Laktionov taken from his book *Severnyy Polyus*, 1955.]
- Reed, John C. Brigadier General Herbert W. Love, 1913-1988. *Arctic* 41 (1988), no.2: 162-163.
- Reed, John C. Reminiscences: The Arctic Institute in the 1960's. *Arctic* 40 (1987), no. 4: 244-248.
- Reedy-Maschner and Herbert D. G. Maschner. Marauding Middlemen: Western expansion and violent conflict in the subarctic. *Ethnohistory* 46 (1999), No. 4: 703-743
- Reed, John C. United States Arctic exploration through 1939. In: United States polar exploration, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 18-28.
- Reinke-Kunze, Christine. The History and development of German research vessels. In: Ocean Sciences: Their History and Relation to Man, Proceedings of the 4th International Congress on the History of Oceanography, edited by Walter Lenz and Margaret Deacon. Deutsche Hydrographische Zeitschrift, Ergänzungsheft Reihe B. Nr. 22 (1990): 62-70.

- Rey, Louis. "The Arctic Ocean: A 'Polar Mediterranean,'" in *The Arctic Ocean: The Hydrographic Environment and the Fate of Pollutants*, edited by Louis Rey, Comité Arctique International, Monaco. New York: John Wiley and Sons, 1982, pp. 3-38.
- Rice, Anthony L. *British Oceanographic Vessels, 1800-1950*. London: Ray Society, 1986, 193 pages.
- Richmond, C.A. The role of the U.S. Coast Guard in the Development of Arctic Sea Transportation. *Marine Technology Society Journal* 4, no. 5 (1970): 17-18.
- Riffenburgh, Beau. *The myth of the explorer: The press, sensationalism and geographical discovery*. London; New York: Belhaven Press, 1993, 226 pages.
- Rivolier, Jean. *Terre Adélie, 1952: éléments d'étude de la glace de mer dans l'archipel de Pointe Géologie*. Paris: Expéditions polaires françaises, 1956, 59 pages.
- Robinson, Bradley. *Dark companion*. New York: R.M. McBride; London: Hodder and Stoughton, 1948, 255 pages. [Biography of Matthew Henson.]
- Robinson, Bradley. Matthew A. Henson (1866-1955). *Arctic* 36 (1983) no. 1: 106-107.
- Robinson, Michael Frederick. 2002. *The Coldest Crucible: Arctic Exploration and American Culture 1850-1910*. Ph.D dissertation. Madison: University of Wisconsin, 279 pages.
- Robinson, Michael P. Binational, multidisciplinary and evolutionary: Arctic's tradition and the future of the Arctic Institute. *Arctic* 40 (1987), no. 4: 254-257. [On the history of the journal Arctic.]
- Robinson, J. Lewis. Reminiscences: Arctic geography forty years ago. *Arctic* 40 (1987), no. 4: 239-243.
- Roots, E.F. , et. al., editors. *Canada and Polar Science*. Ottawa : Circumpolar and Scientific Affairs Directorate, Dept. of Indian Affairs and Northern Development, 1987, 117 pages.
- Rosenvärd, I. Glimtar från den svenska spetsbergsexpeditionen. *Vår flotta*, 1928 (August: pp. 101-103; September: 114-116).
- Ross, W. Gillies. *An Arctic Whaling Diary. The Journal of Captain George Comer in Hudson Bay 1903-1905*. Torongo: University of Toronto Press, 1984, 271 pages.
- Rouch, Jules. Les expéditions soviétiques au Pôle nord. *Bulletin de la Société d'Encouragement pour l'Industrie nationale* (1937): 467-480. [Lecture given by Otto Schmidt on 29 November 1935; includes account of voyage by Cheluiskin, under Voronine in 1932.]

Routledge, N.A. Russian contributions to the International Geophysical Year. *Nature* 183 (1959), no. 4668:1087-1088.

Rowley, Graham W. *Cold Comfort: My love affair with the Arctic*. Montreal: McGill-Queen's University Press, 1996, 255 pages. [Autobiographical account of the Canadian Arctic beginning in 1935 written by an archaeologist.]

Rozwadowski, Helen M. The international context of marine science. *Historisch-Meereskundliches Jahrbuch* 6 (1999): 83-104.

Rozwadowski, Helen M. *The sea knows no boundaries: a century of marine science under ICES*. Copenhagen : International Council for the Exploration of the Sea ; Seattle: University of Washington Press, 2002, 410 pages.

Rüdiger, H. General account of the progress of the expedition to the European Arctic Ocean aboard the steamer Helgoland. *Gesellschaft für Erdkunde zu Berlin, Verhandlungen* 25 (1898), no. 8/9: 430-448.

Rydén, Per. *Den svenske Ikaros: Berättelserna om Andrée*. Stockholm: Carssons, 2003, 711 pages. [In Swedish. The Swedish Icaros: The tales of Andrée.]

Sakshaug, Egil. A review of Norwegian marine biology and oceanography until the second World War, by Egil Sakshaug and Håkon Mosby. Trondheim, Norway: Museum of Archaeology and Natural History, Norwegian University of Science and Technology, 1996, 38 pages.

Sandford, Kenneth Stuart. The Swedish-Norwegian Arctic expedition, 1931. Scientific results of the Swedish-Norwegian expedition in the summer of 1931. *Geographical Journal* 83(1934), no. 5: 420-425. [Reprinted from *Geografiska Annaler* 1933.]

Sandström, Johan Wilhelm, 1874-1947. *Den svenska ishavexpeditionen 1929*. *Ymer* 1929: 75-117.

Sandström, Johan Wilhelm, 1874-1947. *Den svenska vintern*. *Svenska Turisföreningens Årsbok*, 1936: 201-245. [Includes some autobiographical material.]

Sater, J.E. *Arctic Drifting Stations*. Washington, D.C.: Arctic Institute of North America, 1964, 475 pages.

Savours, Ann. From Greenland's Icy Mountains. *History Today* [Great Britain] 51 (2001), no.3: 44-51. [On Arctic explorer Sir Clements Markham (1830-1916).]

Savours, Ann. The manuscript collection of the Scott Polar Research Institute, Cambridge. *Archives* 4 (1959), no. 22: 102-108.

Schott, Wolfgang. *Early German Oceanographic Institutions, Expeditions and Oceanographers*. (Hamburg: Deutsches Hydrographisches Institut, 1987), 50.

The science ice exercise program: History, achievements and future of SCICEX. *Arctic Research of the United States* 14 (2000): 2-7. [History of submarine data collection in the Arctic Ocean by American nuclear submarines starting with USS Nautilus in 1957.]

Shmidt, Otto Yul'yevich. *The voyage of the Chelyuskin, by members of the expedition.* London: Chatto and Windus, 1935, 325 pages.

Schindler, John F. The impact of ice islands, the story of ARLIS II and Fletcher's ice island, T-3 since 1962. In: *Arctic Drifting Stations* edited by J.E. Sater. Washington, D.C.: Arctic Institute of North America, 1964: 49-.

Schledersmann, Peter. Reminiscences: AINA 1979-86, a time of transition. *Arctic* 40 (1987), no. 4: 252-253.

Scholander, Per F. *Enjoying a life in science.* Fairbanks: University of Alaska Press, 1990, 226 pages. [Autobiography of the Norwegian Arctic scientists and oceanographer.]

Schledermann, Peter. Einar Mikkelsen (1880-1971). *Arctic* 44 (1991), no. 4: 351-355.

Schwach, Vera. At Sea with Vøringen [Voeringen] 1876–1878. An overview of primary sources on the history of the first Norwegian North Atlantic Expedition. *History of Oceanography Newsletter* 16, September 2004, 18-20.

Schytt, V. Ymer-80: A Swedish expedition to the Arctic Ocean. *The Geographical Journal*, 149 (1982), no. 1: 22-28. [An expedition commemorating Nordenskjöld's voyage through the Northeast Passage.]

Scientific plan for a regional research programme in the Arctic on global change: Proceedings of a workshop at Reykjavik, Iceland, 22-25 April 1992, International Arctic Science Committee, National Research Council. Washington, D.C.: IASC, 1994, 106 pages.

The scientific results of the Norwegian Arctic expedition in the Gjøa, 1903-1906, under the conduct of Roald Amundsen. Oslo: I kommisjon hos Cammermeyers Boghandel, 1930-33, 3 volumes.

Schlederman, P. "The Fram: Profile of a Famous Exploration Vessel," *Arctic* 42, no. 4 (1989): 384-387.

Schofield, Brian Betham, 1895-. *The Arctic convoys.* London: Macdonald and Jane's, 1977, 198 pages.

Schott, Wolfgang. *Early German Oceanographic Institutions, Expeditions and Oceanographers.* Hamburg: Deutsches Hydrographisches Institut, 1987, 50 pages.

Schytt, Valter. Med en rysk expedition i Arktis. *Ymer*, 1957: 19-38. [With a Russian expedition in the Arctic. In Swedish with an English summary.]

Schytt, Valter. Scientific results of the Swedish Glaciological Expedition to Nordaustlandet, Spitsbergen, 1957 and 1958. Part I: General account of the expedition. Part II: Glaciology, previous knowledge, accumulation and ablation. *Geografiska Annaler* 1964: 243-281.

Schytt, Valter. YMER-80: A Swedish expedition to the Arctic Ocean. *Geographical Journal* 149 (1983), no. 1: 22-28.

Scientific Results of the Swedish-Norwegian Arctic Expedition in the summer of 1931, Part I-XIV. *Geografiska Annaler*, 1933, 1934, 1936.

Scott Polar Research Institute. Manuscripts in the Scott Polar Research Institute, Cambridge, England: A catalogue, edited by Clive Holland. New York: Garland Publishers (Garland reference library of social science), 1982, 815 pages.

Scudder, G.G.E. Forty Years of Northern natural science. *Arctic* 40 (1987), no. 4: 258-273.

Seaver, Kirsten A. Narrating the Arctic. A cultural history of Nordic scientific practices. *Arctic* 56 (2003), no. 3: 305-306.

Shamont'ev, V.A. Oceanographic expedition to the Greenland Sea of the diesel-electric vessel LENA in 1958. *Problemy Arktiki i Antarktiki* 6 (1959): 124-127.

Sherman, Stuart C., compiler. Whaling logbooks and journals, 1613-1927: An inventory of manuscript records in public collections. Originally compiled by Stuart C. Sherman; revised and edited by Judith M. Downey and Virginia M. Adams. New York; London: Garland, 1986, 496 pages.

Shesterikova, A. Dny istorii otechestvennoi aviatsii i vozdukhoplavaniia. Moscow: DOSAAF, 1953. [Brief description of the flight of Yan Nagursky north of the arctic circle in August 1914.]

Shirshov, P.O. and E. Fedorov. Scientific work of the drifting North Polar Station. *Nature* 141 (1938): 629-632.

Sinyukov, V.V. Alexander Vailievich Koltchat as an Arctic explorer. Moscow: Nauka, 2000, 235. [In Russian; summary in English.]

Sivkova, Svetlana G. Research Vessel Vityaz: A contribution to oceanographic science in the past and the present. In: *Oceanographic history: the Pacific and beyond*, edited by Keith R. Benson and Philip F. Rehbock. Seattle : University of Washington Press, 2002: 10-3-106.

Sollie, Finn. Le role politique et strategique de l'Arctique: Une perspective Norvegienne. *Etudes Internationales [Canada]* 20 (1989), no. 1: 71-96.

Sörlin, Svenker. Hans W:son Ahlmann, Arctic research and polar warming: From a national to an international Scientific Agenda, 1929-1952. *Northern Studies Programme, Umeå University* 14 (1997): 383-398.

Sörlin, Svenker. Hemkomsten De dödas färd från Vitön. The return from Kvitöya. The dead coming home. *Ymer* (1998): 50-59.

Sörlin, Svenker. Resa I spåren av det förflutna: A journey to the tracks from the past. *Forskning och Framsted* 8 (1997): 38-45. [In Swedish.]

Sperry, John R. Ikey Angotisiak Bolt (1894-1981). *Arctic* 36 (1983), no. 2: 218-219.

Starokadomskiy, L.M. Ekspeditsiya severnogo ledovitogo okeana 1910-15. Moscow: Izdatel'stvo Glavsevmorputi, 1946, 320 pages. [In Russian. An account of Arctic Ocean Expedition, 1910-15 on Taymyr and Vaygach by expeditions' doctor.]

Starokadomskiy, L.M. Charting the North Sea Route. The Arctic Ocean hydrographic expedition 1910-1915. Montreal; London: Arctic Institute of North America and McGill-Queen's University Press, 1976, 332 pages. [Translation of Ekspeditsiia Severnogo Ledovitogo okeana based on the 1st and 3d ed. of the Russian work, with bibliography.]

Stewart, Hugh. Robert Bartlett (1875-1946). *Arctic* 39 (1986), no. 1: 188-189.

A strategy for British research in the Arctic, by the Natural Environment Research Council. London: The Council, 1989, 28 pages.

Strenzke, Karl. *Arachnides*. Paris: Hermann & Cie, 1955, 84 pages.

Stetson, H.C. The bottom deposits. Scientific results of the Nautilus expedition 1931. *Papers in Physical Oceanography and Meteorology* 2 (1933): 17-37.

Suggs, Robert C. Soviet subs in Scandinavia: 1930 TO 1945. *U.S. Naval Institute Proceedings* 112 (1986), no. 3: 100-106.

Sutton, Jeff. The Role of imaging radar in the development of the Canadian Arctic: Background and applications. *Arctic* 44 (1991), supplement 1: 122-129. [A history of imaging radars used in the Arctic since 1960 presented at a conference on remote sensing of Arctic environments.]

Svansson, Artur. Otto Pettersson the oceanographer (1848-1941): Extracts from a biography in preparation. In: *International Congress on the History of Oceanography (6th : Qingdao, China : 1998)*. Ocean Sciences Bridging The Millennia: A Spectrum of historical accounts, edited by Selim Morcos, et. al. Qingdao: UNESCO and china Ocean Press, 2004, 17-28.

Svansson, Artur. Swedish oceanographic instruments up to 1950. In: *Oceanographic history: the Pacific and beyond*, edited by Keith R. Benson and Philip F. Rehbock. Seattle: University of Washington Press, 2002: 358-361.

Svenska sällskapet för antropologi och geografi.. *Med Örnen mot polen*, av S. A. Andreeé, Nils Strindberg och Knut Frænkel; *Andreeés polar-expedition 1897*, utgiven på grundval av S. A. Andreeés, Nils Strindbergs och Knut Frænkels sommaren 1930 på Vitön funna anteckningar, av Svenska sällskapet för antropologi och geografi. Stockholm, A. Bonnier, 1930, 497 pages. [1931 English translation is published under the title, *The Andreeé diaries*.]

Sverdrup, H. U. (Harald Ulrik), 1888-1957. *The Arctic Regions: The Area North of the Swell from Scotland to Greenland*. Association d'Océanographie Physique, Procès-Verbaux. Publication. Scientifique 8 (1940): 50-53.

Sverdrup, H. U. (Harald Ulrik), 1888-1957. *Hvorledes og hvorfor med "Nautilus"*. Oslo: Gyldendal, c1931, 183 pages.

Sverdrup, H.U. (Harald Ulrik), 1888-1957. *Maud-ekspeditionens videnskabelige arbeide 1918-19 og nogen av dets resultater*. Skrevet ombord i "Maud" juli 1919. *Naturen* 46 (1922), no.3-4: 65-88. [In Norwegian. Report on Maud expedition written from the ship.]

Sverdrup, H. U. (Harald Ulrik), 1888-1957. *Physical Oceanography of the North Polar Sea*. *Arctic* 3 (1950), no. 3.

Sverdrup, H. U. (Harald Ulrik), 1888-1957. *Scientific results of the Nautilus expedition, 1931. Part II: Oceanography*. *Papers in Physical Oceanography and Meteorology* 2 (1933): 16-63.

Sverdrup, H. U. (Harald Ulrik), 1888-1957. *Tre aar i isen "Maud"*. Med et tillæg om en slædereise rundt Tsjuktsjerhalvøen. Oslo: Gyldendal Norsk forlag, 1926, 285 pages. [In Norwegian. *Three years in the ice "Maud"*. With an appendix on a sledge journey around the Chukotskiy Peninsula.]

Sverdrup, Otto Neumann, 1854-1930. *New land; four years in the Arctic regions*,|cby Otto Sverdrup; tr. from the Norwegian, by Ethel Harriet Hearn. London; New York; Bombay: Longmans, Green, and Company, 1904, 2 volumes.

Sverdrup, Otto Neumann, 1854-1930. *Under Russisk Flag*. Oslo: H. Aschehoug and Co., 1928.

Swedish Arctic research programme 1991, International Arctic Ocean Expedition 1991 : icebreaker Oden, a cruise report, edited by Leif G. Anderson, et. al. Stockholm, Sweden : Swedish Polar Research Secretariat, 1991, 128 pages.

Taracouzio, Timothy Andrew, 1896-1958. *Soviets in the Arctic: An historical, economic and political study of the Soviet advance into the Arctic*. New York: The Macmillan co., 1938, 563 pages.

Thiede, J. and T.O. Vorren. *The Arctic Ocean and its geologic record: Research history and perspective*. *Marine Geology* 119 (1994): 179-184.

Tolmachev, I.P. *The geology of Arctic Eurasia and its unsolved problems*. In: *American Geographical Society of New York. Problems of polar research: A series of papers by thirty-one authors*. New York: American Geographical Society, 1928: 75-88.

Tolstikov, E.I. *Science and the Northern Sea Route*. *Soviet Meteorology and Hydrology* 12 (1982): 67-70.

Transehe, N.A. *The Siberian sea road. The work of the Russian hydrographical expedition to the Arctic 1910-15*. *Geographical Review* 15 (1925), no. 3:367-398.

Treadwell, T. K. *History of the U.S. academic oceanographic research fleet and the sources of research ships: A report prepared by T.K. Treadwell, D.S. Gorsline, R. West on behalf of the UNOLS Fleet Improvement Committee*. College Station, Texas: Texas A & M University, 1988, 55 pages.

Tremaine, Marie. *Comments on Polar archives and their uses*. In: *United States polar exploration*, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 154-156.

Treshnikov, Aleksei Fedorovich. *The Arctic discloses its secrets*. *Priroda* 2 (1960): pp. 25-32.

Treshnikov, Aleksei Fedorovich. *Results of the oceanological investigations by the "North Pole" drifting stations*, *Polar Geography*, 1, 22-40, 1977.

Tunander, Ola, 1948-. *Cold water politics: The maritime strategy and geopolitics of the northern front*. Oslo: PRIO; London: Sage, 1989, 194 pages.

Tymms, F. *Aerial navigation in the Arctic, The Oxford University Arctic Expedition, 1924*. *The Geographical Journal* 66 (1925), No. 2: 126-129.

United States Coast Guard. *The "Marion" expedition to Davis Strait and Baffin Bay under direction of the United States Coast Guard, 1928, Scientific results*. Washington: U.S. Govt. Print. Office, 1931-37 (3 volumes)

United States. Office of Naval Operations. *The dynamic North*. Washington: Technical Assistant to Chief of Naval Operations for Polar Projects (Op-O3A3), 1956, 2 volumes.

Untersteiner, Norbert, 1926- and A.S. Thorndike. Air-sea-ice research program for the 1980s: scientific plan, 1983. [Seattle, Wash.] : Applied Physics Laboratory, University of Washington, 1983, 83 pages.

Untersteiner, Norbert, 1926-. Meteorology and physics of sea ice in the arctic – A summary of studies carried out in Project Husky. In *Arctic Drifting Stations*, edited by J.E. Sater. Washington, D.C.: Arctic Institute of North America, 1968, 149-154. [Includes a list of Project Husky reports.]

Untersteiner, Norbert, 1926-. Polar Science Center. *Naval Research Review* 35 (1983): 48-54.

Vasnetsov, Vsevolod Apollinariyevich, 1901-. *Pod zvezdnym flagom "Persei"*. Leningrad: Girometeoizdat, 1974.

Vasnetsov, Vsevolod Apollinariyevich, 1901-. *Povesti Severnykh morei*. Leningrad: Gidrometeoizdat, 1977, 120 pages.

Vatnajökull Glacier, Preliminary Report on the work of the Swedish-Icelandic Investigations, 1936-1937. *Geographical Review* (July 1938).

Victor, Paul Emile. *Man and the conquest of the poles*; translated from the French, by Scott Sullivan. London: Hamish Hamilton, 1964, 306 pages.

Vize, Vladimir Yul'yevich. *Posledniy put' Sedova*. *Sovetskaya Arktika* 3 (1939): 86-93. [In Russian. Excerpts from diary of G.Ya. Sedov during his last voyage in Zemlya Frantsa-Iosifa, 1912-14.]

The voyage of the Chelyuskin, by members of the expedition; translated by Alec Brown. London: Chatto & Windus, 1935, 325 pages.

Wade, F. Alton. Responsibilities of the Polar scientist-explorer. In: *United States polar exploration*, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 146-153.

Wadhams, Peter. A British submarine expedition to the North Pole, 1976. *Polar Record* 18 (1977), no. 116: 487-491.

Washburn, A. Lincoln. Polar research: some issues. In: *United States polar exploration*, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 178-187.

Watt, James, E.J. Freeman and W.F. Bynum, editors. *Starving Sailors: The influence of nutrition upon naval and maritime history*. London: National Maritime Museum, 1981, 212 pages.

Weber, J.R. Exploring the Arctic seafloor. *GEOS* 9 (1980): pp. 2-7.

Weber, J.R. Maps of the Arctic basin sea Floor: A history of bathymetry and its interpretation. *Arctic* 36 (1986), no 2: 121-142.

Weber, J.R. Physiography and Bathymetry of the Arctic Ocean Seafloor. In: *The Arctic Seas: Climatology, Oceanography, Geology and Biology*, edited by Yvonne Herman. New York: Van Nostrand Reinhold, 1989: pp. 797-828.

Weber, J.R. and E.F. Roots. Historical Background: Exploration, Concepts, and Observations. In: *The Arctic Ocean Region* edited by A. Grantz, L. Johnson and J.F. Sweeney. Boulder, Colorado: Geological Society of America, *The Geology of North America* 50, 1990, 5-36.

Wegener, Else. Greenland journey, the story of Wegener's German expedition to Greenland in 1930-31 as told by members of the expedition and the leader's diary; edited by Else Wegener with the assistance of Dr. Fritz Loewe. Translated from the 7th German edition by Winifred M. Deans. London and Glasgow, Blackie & son limited, 1939, 295 pages.

Welsh, Harold E. A year on the ice: The SHEBA/JOIS project. *Arctic* 51 (1998), no. 3: 293-300. [History of the NSF sponsored Surface Heat Budget of the Arctic Ocean (SHEBA) project.]

Went, A.E.J. "Seventy Years Agrowing: A History of the International Council for the Exploration of the Sea, 1902-1972." *Conseil International pour l'Exploration de la Mer, Rapports et Proces-verbaux des Reunions* 165 (1972), 252 pages.

Wetterfors, P. Finn Malmgren. *Has liv och arbete*. Stockholm, 1928, 216 pages.

Whiting, Kenneth R. Recent Soviet scientific investigations in the north polar regions. Maxwell Air Force Base, Alabama: Air University Documentary Research Study, 1956, 104 pages. [A "review both of the general status of geophysical ideas about the Arctic Basin and the scope of past Soviet investigations." Includes an American translation of portions of A.F. Laktionov's book, *The North Pole*.]

Wiggins, I.L. The Arctic; its discovery and past development. In: *Arctic biology: Ten papers presented at the 1957, and one presented at the 1965, Biology Colloquium at Oregon State University*, edited by Henry P. Hansen. Corvallis: Oregon State University Press, 1967, 9-23.

Wilkins, George Hubert, Sir, 1888- . *Flying the Arctic*. New York: G.P. Putnam Sons, 1928, 222 pages.

Wilkins, George Hubert, Sir, 1888- . *Under the North pole: The Wilkins-Ellsworth submarine expedition*. New York: Brewer, Warren & Putnam, 1931, 347 pages.

Williams, M.D. *Submarines Under Ice: The U.S. Navy's Polar Operations*. Washington, D.C.: Naval Institute Press, 1998, 223 pages.

Winsnes, Thore S. *Activities of Norsk Polarinstitutt (Norwegian Polar Institute) in Svalbard*. In: *Geology of the Arctic; proceedings, International Symposium on Arctic Geology*. (1st:1960: Calgary, Alberta), edited by Gilbert O. Raasch. Toronto: University of Toronto Press, 1961, volume 2: 1167-1184. [Nice historical summary beginning in 1827, but concentrating on the 20th century with excellent bibliography.]

Winther J. G. et. al. *Snow research in Svalbard - an overview*. *Polar Research* 22 (2003) no. 2:125-144.

Wiseman, William J. *Alaskan Arctic coastal processes and morphology*. Baton Rouge, La.: Coastal Studies Institute, 1973, 171 pages.

Wisting, Oscar, 1871-. *16 år med Roald Amundsen*. Oslo: Gyldendal, 1930, 206 pages.

Wolff, J. *Danske Edspeditioner Pa Verdenshavene*. Copenhagen: Rhodos, 1967, 336 pages. [Danish Expeditions on the Seven Seas.]

Wood, Walter A. *United States Arctic exploration through 1939*. In: *United States polar exploration*, edited by Herman R. Friis and Shelby G. Bale, Jr. Athens, Ohio: Ohio University Press, 1970, 9-17.

Wooster, Warren. *International cooperation in ocean and polar sciences, past and present*. In: *The Ocean and the poles: Grand challenges for European cooperation*, edited by Gotthilf Hempel. Jena; New York: Gustav Fischer, 1995, pp.25-32.

Worthington, L.V. *The Arctic Mediterranean Seas*. *Oceanus* 16 (1971): 2-7.

Worthington, L.V. *The Norwegian Sea as a Mediterranean basin*. *Deep Sea Research* 17 (1970): 421-432.

Worthington, L.V. *Oceanographic results of Project Skijump I and Skijump II in the Polar Sea, 1951-1952*. *EOS, Transactions of the American Geophysical Union* 34 (1953): 543-551.

Wråkberg, Urban. *Hundra år av historieskrivning kring S.A. Andréé och hans polarexpedition: 100 years of history writing around S.A. Andréé and his expedition to the North Pole*. *Ymir* (1998): 60-78.

Wråkberg, Urban, editor. *Centennial of S.A. Andree's North Pole Expedition*. Stockholm: Royal Swedish Academy of Sciences, 1999, 212 pages.

Wråkberg, Urban. *Om djuphavets gåtor och ett fiskeri på vetenskaplig grund Historiska perspektiv på oceanografin i Sverige. Something about the enigmas of the deep sea: Historical perspectives on oceanography in Sweden*. *Ymir* 111 (1991): 84-105.

Wråkberg, Urban. The History of Science in Svalbard. In: I: Polarforskningssekretariatets årsbok 2000, edited by Eva Grönlund. Stockholm: Swedish Polar Research Secretariat, 2001: 83-84.

Wråkberg, Urban. The Russo-Swedish Arc-of-Maridian expeditions to Spitzbergen 1898-1902. In: International scientific cooperation in the Arctic, edited by Eugene Bouzney. Moscow: Scientific World, 2002, pp. 15-52.

Yayanos, A. Aristides. George Wallace Melville: His Influence through Polar exploration and marine engineering. In: Oceanographic history: the Pacific and beyond, edited by Keith R. Benson and Philip F. Rehbock. Seattle: University of Washington Press, 2002: 248-258.

Yesipov, V.K. Pervaya russkaya ekspeditsiya na Novuyu Zemlyu. Sovetskaya Arktika 9 (1939): 77-85. [In Russian. The first Russian expedition to Novaya Zemlya]

Young, Oran R. The age of the Arctic. *Oceanus* 29 (1986): 9-17.

Young, Oran R. Arctic politics: Conflict and cooperation in the circumpolar north. Hanover, New Hampshire: University Press of New England, 1993, 287 pages.

Zaslow, Morris, ed. A Century of Canada's Arctic Islands/Un siècle des Iles Artiques du Canada, 1880-1980. Ottawa : Royal Society of Canada, 1981, 358 pages.

Zetler, Bernard D. "Arctic Tides" by Rollin A. Harris (1911) revisited. *EOS* 67 (1986), no. 7: 73-76.

Ziegler Polar Expedition (1903-1905). Scientific results obtained under the direction of William J. Peters, representative of the National Geographic Society in charge of scientific work, edited by John A. Fleming. Washington, D.C.: Published under the auspices of the National Geographic Society by the estate of William Ziegler [Press of Judd & Detweiler], 1907, 630 pages.

Zoologische ergebnisse der schwedischen expedition nach Spitzbergen, 1908, unter Leitung von Prof. G. de Geer. Stockholm: Almqvist & Wiksell, 1915-1919, 1 volume in 10 parts.

Zubov, N. N. (Nikolai Nikolaevich) 1885-1960. Arctic ice. San Diego, Calif.: U.S. Navy Electronics Laboratory, 1963?, 491 pages. [Translation to English by United States Navy Oceanographic Office and American Meteorological Society under contract to the U.S. Air Force Cambridge Research Center. Originally published in Russian in Moscow in 1943.]

Zubov, N. N. (Nikolai Nikolaevich) 1885-1960. Uchastie Sovetskogo Soiuza v provedenii Vtorogo Mezhdunarodnogo poliarnogo goda, 1932-1933. Moskva: : Izd-vo Akademii nauk SSSR, 1959. 33 pages. [In English on title page: Participation of the Soviet Union in the Second International Polar Year, 1932-1933.]

Zviagin, V. N. Vitus Bering, ktorogo my ne znaem. The Vitus Bering we do not know. Sudebno-meditsinskaia ekspertiza 38 (1995), no. 2:30-32. [In Russian.]

Arctic explains the various definitions of Arctic. 15th. 16th. 17th. 18th. 19th. 20th. 21st. 22nd. 20th century by continent. Centuries in the Arctic. Navigation menu. Personal tools. a Institute of Arctic and Alpine Research and Department of Geological Sciences, University of Colorado, Boulder, CO 80309-0450, USA b Department of Geosciences, University of Massachusetts, Amherst, MA 01003 USA c Department of Geosciences and Earth and Environmental Systems Institute, Pennsylvania State University, University Park, PA 16802, USA d Earth Surface Processes, U.S. Geological Survey, MS-980, Box 25046, DFC, Denver

Early Holocene summer sea ice limits were substantially smaller than their 20th century average, and the flow of Atlantic water into the Arctic Ocean was substantially greater. Arctic ponds, and degradation of permafrost. On the basis of the past century's trend of The International Arctic Science Committee, hundreds of scientists and specialists of the Arctic Council, and the Barents Euro-Arctic Council are more examples of collaborative international Arctic research. Territorial claims. Main article: Territorial claims in the Arctic. On 2 August 2007, two Russian bathyscaphes, MIR-1 and MIR-2, for the first time in history descended to the Arctic seabed beneath the North Pole and placed there a Russian flag made of rust-proof titanium alloy. The flag-placing during Arktika 2007 generated commentary on and concern for a race for control of the Arctic's vast hydrocarbon resources.[24]. Bibliography. Michael Byers, University of British Columbia, Vancouver. Publisher: Cambridge University Press. Barelli, Mauro, "The Role of Soft Law in the International Legal System: The Case of the United Nations Declaration on the Rights of Indigenous Peoples." (2009) 58 *International and Comparative Law Quarterly* 957. Barsh, Russel, "Demilitarizing the Arctic as an Exercise of Indigenous Self-Determination." (1986) 55 *Nordic Journal of International Law* 208. Bateman, Sam, and Clive Schofield, "State Practice Regarding Straight Baselines in East Asia" Legal, Technical and Political Issues in a Changing Environment. Arctic - Arctic - Study and exploration: The earliest references to Arctic exploration are shrouded in obscurity as a result both of inaccurate ideas of the shape of the Earth and of primitive navigation techniques, which make it difficult to interpret early maps and accounts of voyages. Probably the first to approach the Arctic regions was a Greek, Pytheas, who in the 4th century bce made a voyage from the Mediterranean, around Britain, to a place he called Thule, variously identified as the Shetlands, Iceland, and Norway. The accounts of this remarkable explorer were for centuries discredited