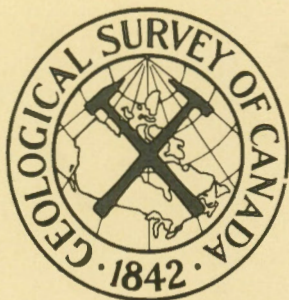


FWT



**GEOLOGICAL
SURVEY
OF
CANADA**

DEPARTMENT OF ENERGY,
MINES AND RESOURCES

PAPER 73-11

**PUBLICATIONS ON THE GEOLOGY OF THE
ARCTIC ISLANDS BY THE
GEOLOGICAL SURVEY OF CANADA**

(Report and 2 figures)

Revised May, 1973

Compiled by R.L. Christie

This document was produced
by scanning the original publication.

Ce document est le produit d'une
numérisation par balayage
de la publication originale.



**GEOLOGICAL SURVEY
OF CANADA**

PAPER 73-11

**PUBLICATIONS ON THE GEOLOGY OF THE
ARCTIC ISLANDS BY THE
GEOLOGICAL SURVEY OF CANADA**

Revised May, 1973

Compiled by R.L. Christie

DEPARTMENT OF ENERGY, MINES AND RESOURCES

©Crown Copyrights reserved
Available by mail from *Information Canada*, Ottawa

from the Geological Survey of Canada
601 Booth St., Ottawa

and

Information Canada bookshops in

HALIFAX - 1687 Barrington Street
MONTREAL - 640 St. Catherine Street W.
OTTAWA - 171 Slater Street
TORONTO - 221 Yonge Street
WINNIPEG - 393 Portage Avenue
VANCOUVER - 800 Granville Street

or through your bookseller

Price: \$1.00

Catalogue No. M44-73-11

Price subject to change without notice

Information Canada
Ottawa
1973

CONTENTS

	Page
Introduction	1
Publications of the Geological Survey	3
Memoirs	3
Bulletins	3
Papers	7
Information Circulars	13
Reports of Activities	14
Maps	20
Annual and Summary Reports	23
Separate Reports	24
Economic Geology series	24
Open File Reports	24
Age-determinations of the Geological Survey of Canada	25
K-Ar isotopic ages	25
Radiocarbon dates	26
Reports in scientific journals other than those of the Geological Survey of Canada	28

Illustrations

Figure 1. Index map showing areas covered by geophysical maps	
(a) Aeromagnetic residual anomaly and downward continuation maps	
(b) Aeromagnetic 4-mile series	38
Figure 2. Index map showing areas covered by geophysical maps	
(a) Airborne geophysical reconnaissance, 1955 (aeromagnetic, radiometric profiles)	
(b) Aeromagnetic 1- and 2-mile series	39

PUBLICATIONS ON THE GEOLOGY OF THE ARCTIC ISLANDS BY THE GEOLOGICAL SURVEY OF CANADA

INTRODUCTION

The purpose of this paper is to provide a list of publications by officers of the Geological Survey that describe and illustrate the geology of the Canadian Arctic Islands and surrounding continental shelves (the District of Franklin). The list is meant to be current rather than complete; thus, Geological Survey Papers and Reports of Activities that are superseded by Bulletins or Memoirs have been omitted.

The scope of this edition of the list of publications has been expanded to include some papers by members of the Survey at the Atlantic Geoscience Centre (at Bedford Institute of Oceanography, Dartmouth, Nova Scotia) that were published before the centre became a part of the Geological Survey. Certain papers of the Symposium on Offshore Eastern Canada, published in Paper 71-23, are included because of their relevance. The list also includes accounts of work connected with the Geological Survey, such as field work sponsored or supported by the Survey, and papers reporting on Survey collections.

Most of the reports are available at distribution offices of the Geological Survey of Canada. Papers published in scientific journals other than those of the Geological Survey are not available at the Geological Survey publications offices, although abstracts of many of these are published in the Survey's Papers series (Number -4, each year).

The Geological Survey of Canada publishes maps and reports. Maps include basic geological maps and special maps such as those dealing with geophysical observations. The various types of geophysical maps are not listed here but index maps are appended to show the areas of the District of Franklin covered by geophysical surveys. Detailed indices for the geophysical maps are available.

Reports concerning the Arctic Islands region are of several categories:

Memoirs - Comprehensive reports on the geology of specific areas.

Bulletins - Detailed studies on any geological or related subject.

Papers - Reports of all types in a format designed for prompt publication of geological information.

Open File - Unedited manuscript reports and maps on file at Geological Survey offices in Ottawa, Calgary and Vancouver, and available for consultation by appointment. Copies of Open File material may be obtained at the user's expense through designated commercial reproduction firms; names of the firms are available at Survey offices.

Manuscript received: May 10, 1973

Author's address: Institute of Sedimentary and Petroleum Geology
Geological Survey of Canada
3303 - 33rd Street N. W.
Calgary, Alberta T2L 2A7

Requests for geological maps and reports should be addressed to:

Geological Survey of Canada,
601 Booth Street,
Ottawa, Ontario, Canada,
K1A 0E8.

or:

Institute of Sedimentary and Petroleum Geology,
3303 - 33 Street N.W.,
Calgary, Alberta, Canada,
T2L 2A7.

Note: Gravity maps and scientific papers relating to gravity measurements are published by the Gravity Division of the Earth Physics Branch (formerly the Dominion Observatory) of the Department of Energy, Mines and Resources. An index of these publications is available from that branch or from Information Canada bookstores. Current gravity maps are available from the Institute of Sedimentary and Petroleum Geology, Calgary, Alberta.

PUBLICATIONS OF THE GEOLOGICAL SURVEY

MEMOIRS

Number

- 294 Thorsteinsson, R.
1958: Cornwallis and Little Cornwallis Islands, District of Franklin.
- 309 Harker, P. and Thorsteinsson, R.
1960: Permian rocks and faunas of Grinnell Peninsula, Arctic Archipelago.
- 316 Tozer, E. T.
1961: Triassic stratigraphy and faunas, Queen Elizabeth Islands, Arctic Archipelago.
- 320* Fortier, Y. O., Blackadar, R. G., Greiner, H. R., McLaren, D. J., McMillan, N. J., Norris, A. W., Roots, E. F., Souther, J. G., Thorsteinsson, R., and Tozer, E. T.
1963: Geology of the north-central part of the Arctic Archipelago, Northwest Territories (Operation Franklin).
- 328 Lemon, R. R. H. and Blackadar, R. G.
1963: Admiralty Inlet area, Baffin Island, District of Franklin.
- 330* Thorsteinsson, R. and Tozer, E. T.
1962: Banks, Victoria, and Stefansson Islands, Arctic Archipelago.
- 331 Christie, R. L.
1964: Geological reconnaissance of northeastern Ellesmere Island, District of Franklin.
- 332 Tozer, E. T. and Thorsteinsson, R.
1964: Western Queen Elizabeth Islands, Arctic Archipelago.
- 345 Blackadar, R. G.
1967: Geology of Mingo Lake - Macdonald Island Map-Area, Baffin Island, District of Franklin.
- 347 Christie, R. L.
1967: Bache Peninsula, Ellesmere Island, Arctic Archipelago.

BULLETINS

- 38 Thorsteinsson, R. (*in* Sweet, W. C. and Miller, A. K., 1957)
1957: Summary of geology of Cornwallis and Little Cornwallis Islands (with map), p. 3-11.

Bulletins (cont'd)

Number

- 38 Sweet, W. C. and Miller, A. K.
1957: Ordovician cephalopods from Cornwallis and Little Cornwallis Islands, District of Franklin, Northwest Territories.
- 41 Frebold, H.
1958: Fauna, age and correlation of the Jurassic Rocks of Prince Patrick Island (1957).
- 54 Fortier, Y. O.
1959: Heavy helicopter reconnaissance in the Arctic Archipelago (Operation Franklin) *in* Helicopter Operations of the Geological Survey of Canada, *by* Officers of the Geological Survey of Canada, 1959, p. 55-60.
- 59 Frebold, H.
1960: The Jurassic faunas of the Canadian Arctic, Lower Jurassic and lowermost Middle Jurassic ammonites.
- 61 Riley, G. C.
1960: Petrology of the gneisses of Cumberland Sound, Baffin Island, Northwest Territories.
- 65 Boucot, A. J., *et al.*
1960: A Late Silurian fauna from the Sutherland River Formation, Devon Island, Canadian Arctic Archipelago.
- 73* Gregory, A. F., Bower, M. E., and Morley, L. W.
1961: Geological interpretation of aerial magnetic and radiometric profiles, Arctic Archipelago, Northwest Territories. (*see* index map attached).
- 74 Frebold, H.
1961: The Jurassic Faunas of the Canadian Arctic, Middle and Upper Jurassic ammonites.
- 75 Thorsteinsson, R.
1961: The history and geology of Meighen Island, Arctic Archipelago.
- 97 Blackadar, R. G.
1964: Basic intrusions of the Queen Elizabeth Islands, District of Franklin.
- 101 Fyles, J. G.
1963: Surficial geology of Victoria and Stefansson Islands, District of Franklin.
- 105 Christie, R. L.
1964: Diabase-gabbro sills and related rocks of Banks and Victoria Islands, Arctic Archipelago.

*Out of print

Bulletins (cont'd)

Number

- 119 Frebold, H.
 1964: The Jurassic faunas of the Canadian Arctic,
 Cadoceratinae.
- 120 Jeletzky, J. A.
 1965: *Thorsteinssonoceras*, a new craspeditid ammonite
 from the Valanginian of Ellesmere Island, Arctic
 Archipelago.
- 123 Tozer, E. T.
 1965: Latest Lower Triassic ammonoids from Ellesmere
 Island and northeastern British Columbia.
- 128 Jeletzky, J. A.
 1966: Upper Volgian Ammonites and Buchias from Arctic
 Canada.
- 131 Nassichuk, W. W., Furnish, W. M. and Glenister, B. F.
 1965: The Permian ammonoids of Arctic Canada.
- 134 Pt. I Bolton, T. E.
 1965: Trilobites from Upper Silurian rocks of the Canadian
 Arctic Archipelago: *Encrinurus* (*Frammia*) and
 Hemiargus; in Contributions to Canadian Paleontology,
 p. 3-14.
- 134 Pt. II Bolton, T. E.
 1965: Ordovician and Silurian tabulate corals *Labyrinthites*,
 Arcturia, *Troedssonites*, *Multisolonia*, and *Boreaster*;
 in Contributions to Canadian Paleontology, p. 15-33.
- 138 Christie, R. L.
 1967: Reconnaissance of the surficial geology of north-
 eastern Ellesmere Island, Arctic Archipelago.
- 151 Blackadar, R. G.
 1967: Precambrian geology of Boothia Peninsula, Somerset
 Island and Prince of Wales Island, District of
 Franklin.
- 153 Ormiston, A. R.
 1967: Lower and Middle Devonian trilobites of the Canadian
 Arctic Islands.
- 155 Logan, A.
 1967: Middle and Upper Triassic spiriferinid brachiopods
 from the Canadian Arctic Archipelago.
- 156 Tozer, E. T.
 1967: A standard for Triassic time.
- 157 Trettin, H. P.
 1969: Lower Paleozoic sediments of northwestern Baffin
 Island, District of Franklin.

Bulletins (cont'd)

Number

- 163 Cowie, J. W.
1968: Lower Cambrian faunas from Ellesmere Island, District of Franklin; *in* Contributions to Canadian Palaeontology, p. 1-27.
- 165 Pt. II Dineley, D. L.
1968: Osteostraci from Somerset Island; *in* Contributions to Canadian Palaeontology, p. 47-63.
- 170 McLearn, F. H.
1969: Middle Triassic (Anisian) ammonoids from north-eastern British Columbia and Ellesmere Island.
- 171 Trettin, H. P.
1969: Pre-Mississippian geology of northern Axel Heiberg and northwestern Ellesmere Island, Arctic Archipelago.
- 182* Collins, D. H.
1969: Devonian Nautiloids from Northern Canada; *in* Contributions to Canadian Paleontology, p. 31-50.
- 182* McGregor, D. C.
1969: Devonian plant fossils of the genera *Kryshthoforichia*, *Nikitinsporites*, and *Archaeoperisaccus*; *in* Contributions to Canadian Paleontology, p. 91-106.
- 182* Nassichuk, W. W.
1969: A Late Pennsylvanian ammonoid from Ellesmere Island, Canadian Arctic Archipelago; *in* Contributions to Canadian Paleontology, p. 123-127.
- 182* Hills, L. V. and Wallace, Sandra
1969: *Paraalnipollenites*, a new form genus from uppermost Cretaceous and Paleocene rocks of Arctic Canada and Russia; *in* Contributions to Canadian Paleontology, p. 139-145.
- 183 Trettin, H. P.
1969: Geology of Ordovician to Pennsylvanian rocks, M'Clintock Inlet, north coast of Ellesmere Island, Canadian Arctic Archipelago.
- 191 Blackadar, R. G.
1970: Precambrian geology of northwestern Baffin Island, District of Franklin.
- 192 Nassichuk, W. W.
1971: *Helicoprion* and *Physonemus*, Permian invertebrates from the Assistance Formation, Canadian Arctic Archipelago; *in* Contributions to Canadian Paleontology, p. 83-89.
- 192 Chamney, T. P.
1971: New species of foraminifera, Cretaceous-Jurassic boundary, Arctic America; *in* Contributions to Canadian Paleontology, p. 95-113.

Bulletins (cont'd)

Number

- 197 Norford, B. S.
1971: Upper Ordovician corals *Chaetetipora* and *Sibiriolites* from northern Ellesmere Island, District of Franklin; *in* Contributions to Canadian Paleontology, p. 1-11.
- 197 Ormiston, Allen R.
1971: A new Devonian harpid trilobite species from Lowther Island, District of Franklin; *in* Contributions to Canadian Paleontology, p. 23-27.
- 197 Spinosa, Claude and Nassichuk, W. W.
1971: The Permian ammonoid *Stacheoceras* discovered on Ellesmere Island, Canadian Arctic; *in* Contributions to Canadian Paleontology, p. 89-93.
- 197 Hopkins, W. S., Jr.
1971: Palynology of the Lower Cretaceous Isachsen Formation on Melville Island, District of Franklin; *in* Contributions to Canadian Paleontology, p. 109-133.
- 200 Pt. II Copeland, M. J.
1971: Additional Silurian Arthropoda from Arctic and eastern Canada.
- 203 Trettin, H. P.
1971: Geology of lower Paleozoic formations, Hazen Plateau and southern Grant Land Mountains, Ellesmere Island, Arctic Archipelago.
- 216 Church, M.
1972: Baffin Island sandurs: a study of Arctic fluvial processes.
- 224 Thorsteinsson, R.
in press: Carboniferous and Permian stratigraphy of Axel Heiberg Island and western Ellesmere Island, Canadian Arctic Archipelago.

PAPERS

(Papers superseded by Memoirs and Bulletins have been omitted)

- 48-23* Fortier, Y. O.
1948: Flights in 1947 over the region of the north magnetic pole and the mainland between the Arctic coast, Great Slave Lake, and Hudson Bay, Northwest Territories. (Report and map).
- 52-25* Burns, C. A.
1952: Geological notes on localities in James Bay, Hudson Bay, and Foxe Basin visited during an exploration cruise in 1949.

Papers (cont'd)

Number

- 52-32* Prest, V. K.
 1952: Notes on the geology of parts of Ellesmere and
 Devon Islands, Northwest Territories. (Report and
 map).
- 56-9 Christie, R. L.
 1957: Geological reconnaissance of the north coast of
 Ellesmere Island, District of Franklin, Northwest
 Territories. (Report and Map 16-1956).
- 60-5** Tozer, E. T.
 1960: Summary account of Mesozoic and Tertiary strati-
 graphy, Canadian Arctic Archipelago.
- 60-7*, ** Thorsteinsson, R. and Tozer, E. T.
 1960: Summary account of structural history of the
 Canadian Arctic Archipelago since Precambrian time.
- 60-8*, ** Blackadar, R. G. and Fraser, J. A.
 1960: Precambrian geology of Arctic Canada. (A summary
 account).
- 60-10*, ** Craig, B. G. and Fyles, J. G.
 1960: Pleistocene geology of Arctic Canada.
- 61-21 Pelletier, B. R.
 1961: Submarine Geology Program, Polar Continental Shelf
 Project, Isachsen, District of Franklin.
- 61-27 Wagner, Frances J. E.
 1961: Faunal report, Submarine Geology Program, Polar
 Continental Shelf Project, Isachsen, District of
 Franklin.
- 62-19 Tozer, E. T.
 1962: Illustrations of Canadian fossils, Triassic of
 Western and Arctic Canada.
- 62-35 Blackadar, R. G.
 1963: Additional notes to accompany Map 3-1958 (Fury and
 Hecla Strait Map-Area) and Map 4-1958 (Foxe Basin
 North Map-Area).
- 62-36 Playford, G. and Barss, M. S.
 1963: Upper Mississippian microflora from Axel Heiberg
 Island, District of Franklin.
- 63-4 Frebold, H.
 1964: Illustrations of Canadian fossils: Jurassic of
 Western and Arctic Canada.

*Out of print

**Also published later in 'Geology of the Arctic', v. I, G. O. Raasch, ed.,
Univ. of Toronto Press, 1961.

Papers (cont'd)

Number

- 63-11 Horne, E. R.
1963: Marine geology, Peary Channel, District of Franklin.
(Polar Continental Shelf Project).
- 63-19 Blackadar, R. G. and Christie, R. L.
1963: Geological reconnaissance, Boothia Peninsula, and
Somerset, King William, and Prince of Wales Islands,
District of Franklin. (Report and Maps 36-1963,
37-1963) (See Bull. 151; Paper 67-24; Kerr and
Christie, 1965).
- 63-22 Marlowe, J. L. and Vilks, G.
1963: Marine geology, eastern part of Prince Gustaf Adolf
Sea, District of Franklin.
- 63-30 Tozer, E. T.
1963: Mesozoic and Tertiary stratigraphy, western Ellesmere
Island and Axel Heiberg Island, District of Franklin.
- 63-31* Douglas, R. J. W., Norris, D. K., Thorsteinsson, R. and
Tozer, E. T.
1963: Geology and petroleum potentialities of Northern
Canada.
- 63-44 Craig, B. G.
1964: Surficial geology of Boothia Peninsula and Somerset,
King William, and Prince of Wales Islands, District
of Franklin. (Report and Map 46-1963).
- 64-11 Jeletzky, J. A.
1964: Illustrations of Canadian fossils, Lower Cretaceous
marine index fossils of the sedimentary basins of
Western and Arctic Canada.
- 64-30 Blake, W., Jr.
1964: Preliminary Account, Glacial History of Bathurst
Island.
- 64-53 Vilks, G.
1964: Foraminiferal study of East Bay, Mackenzie King
Island, District of Franklin. (Polar Continental
Shelf Project).
- 64-55 McGregor, D. C.
1965: Illustrations of Canadian fossils: Triassic, Jurassic,
and Lower Cretaceous spores and pollen of Arctic
Canada.
- 65-12 Tozer, E. T.
1965: Lower Triassic stages and ammonoid zones of Arctic
Canada. (See Bull. 156).

*Out of print

Papers (cont'd)

Number

- 65-20 Craig, B. G.
1965: Notes on moraines and radiocarbon dates in north-west Baffin Island, Melville Peninsula and north-east District of Keewatin.
- 66-8 Kranck, Kate
1966: Sediments of Exeter Bay, Baffin Island, District of Franklin.
- 66-10 Heywood, W. W.
1966: Geological notes on Operation Wager, Northwest Territories.
- 66-26 Blake, W., Jr.
1966: End moraines and deglaciation chronology in northern Canada with special reference to southern Baffin Island.
- 66-29 Marlowe, J. L.
1968: Sedimentology of the Prince Gustaf Sea area, District of Franklin.
- 66-30 McGregor, D. C. and Owens, B.
1966: Illustrations of Canadian fossils: Devonian spores of eastern and northern Canada.
- 66-34 Trettin, H. P. and Hills, L. V.
1966: Lower Triassic tar sands of northwestern Melville Island, Arctic Archipelago.
- 66-40 Heywood, W. W.
1966: Geological notes, northeastern District of Keewatin and southern Melville Peninsula, District of Franklin.
- 66-47 Blackadar, R. G.
1968: Geological Reconnaissance, southern Baffin Island, District of Franklin.
- 66-55 Norford, B. S.
1966: Ordovician stratigraphic section at Daly River, northeast Ellesmere Island, District of Franklin.
- 66-58 Hood, P. J., Sawatzky, P., and Bower, M. E.
1967: Progress report on low-level aeromagnetic profiles over the Labrador Sea, Baffin Bay, and across the North Atlantic Ocean.
- 67-7 Petryk, A. A.
1967: Some Silurian stromatoporoids from northwestern Baffin Island, District of Franklin.
- 67-24 Christie, R. L.
1967: Stratigraphic sections of Paleozoic rocks on Prince of Wales and Somerset Islands, District of Franklin, Northwest Territories.

Papers (cont'd)

Number

- 67-27 Pt. I Kerr, J. Wm.
1967: Stratigraphy of central and eastern Ellesmere Island,
Arctic Canada: Proterozoic and Cambrian.
- 67-27 Pt. II Kerr, J. Wm.
1968: Stratigraphy of central and eastern Ellesmere Island,
Arctic Canada: Ordovician.
- 67-43 Kerr, J. Wm.
1967: Vendom Fiord Formation - a new red-bed unit of
probable early Middle Devonian (Eifelian) age,
Ellesmere Island, Arctic Canada.
- 67-64* Thorsteinsson, R. and Kerr, J. Wm.
1968: Cornwallis Island and adjacent smaller islands,
Canadian Arctic Archipelago.
- 68-16* Stott, D. F.
1968: Ellef Ringnes Island, Canadian Arctic Archipelago.
(Report and Map 4-1968; reprinted map available)
- 68-17 Petryk, A. A.
1969: Mesozoic and Tertiary Stratigraphy at Lake Hazen,
Northern Ellesmere Island, District of Franklin.
- 68-31 Nassichuk, W. W. and Christie, R. L.
1969: Upper Paleozoic and Mesozoic stratigraphy in the
Yelverton Pass region, Ellesmere Island, District of
Franklin.
- 68-44 Bhattacharyya, B. K.
1968: Analysis of aeromagnetic data over the Arctic Islands
and continental shelf of Canada. (Aeromagnetic
residual anomaly and downward continuation maps
published separately; see index).
- 69-29 Buckley, J. T.
1969: Gradients of past and present outlet glaciers.
- 69-30 St-Onge, D. A.
1969: Nivation landforms.
- 70-22* Jeletzky, J. A.
1971: Marine Cretaceous biotic provinces and paleo-
geography of western and Arctic Canada: illustrated
by a detailed study of ammonites.
- 70-38 Owens, Bernard
1971: Miospores from the Middle and early Upper Devonian
rocks of the western Queen Elizabeth Islands, Arctic
Archipelago.

*Out of print

Papers (cont'd)

Number

- 71-12 Trettin, H. P.
 1971: Reconnaissance of lower Paleozoic geology, Phillips
 Inlet region, north coast of Ellesmere Island,
 District of Franklin.
- 71-13* McGregor, D. C. and Uyeno, T. T.
 1972: Devonian spores and conodonts of Melville and
 Bathurst Islands, District of Franklin.
- 71-23 Baker, S. R. and Friedman, G. M.
 1973: Sedimentation in an arctic marine environment:
 Baffin Bay between Greenland and the Canadian Arctic
 Archipelago; *in* Symposium on Offshore Eastern Canada;
 collected papers, p. 471-498.
- 71-23 Hood, P. and Bower, M. E.
 1973: Low-level aeromagnetic surveys of the continental
 shelves bordering Baffin Bay and the Labrador Sea;
 in Symposium on Offshore Eastern Canada; collected
 papers, p. 573-598.
- 71-23 Hyndman, R. D., Clarke, D. B., Hume, H., Johnson, J., Keen,
 M. J., Park, I. and Pye, G.
 1973: Geophysical and geological studies in Baffin Bay and
 the Labrador Sea; *in* Symposium on Offshore Eastern
 Canada; collected papers, p. 621-631.
- 71-23 Kristjansson, L. G. and Deutsch, E. R.
 1973: Magnetic properties of rock samples from the Baffin
 Bay coast; *in* Symposium on Offshore Eastern Canada;
 collected papers, p. 545-564.
- 71-23 Løken, O. H.
 1973: Bathymetric observations along the east coast of
 Baffin Island: submarine moraines and iceberg
 distribution; *in* Symposium on Offshore Eastern
 Canada; collected papers, p. 509-519.
- 71-23 Martin, R.
 1973: Geological history of Baffin Bay- continental drift
 before sea-floor spreading and the exploration for
 hydrocarbons; *in* Symposium on Offshore Eastern
 Canada; collected papers, p. 599-620.
- 71-23 McMillan, N. J.
 1973: Surficial geology of Labrador and Baffin Island
 shelves; *in* Symposium on Offshore Eastern Canada,
 collected papers, p. 451-468.
- 71-23 Ross, D. I., Keen, C. E., Barrett, D. L. and Manchester, K. S.
 1973: Geophysical studies on the structure of Baffin Bay;
 in Symposium on Offshore Eastern Canada; collected
 papers, p. 633-638.

Papers (cont'd)

Number

- 71-23 Stehman, C. F. and Gregory, M.
1973: A preliminary account of benthonic and planktonic foraminifera in Baffin Bay, Davis Strait and the Labrador Sea; *in* Symposium on Offshore Eastern Canada; collected papers, p. 499-507.
- 71-28 Hueber, F. M.
1971: Early Devonian land plants from Bathurst Island, District of Franklin.
- 72-28 Kuc, M.
1973: Fossil statoblasts of *Cristatella mucedo* Cuvier in the Beaufort Formation and in interglacial and post-glacial deposits of the Canadian Arctic.
- 72-37 Hopkins, W. S., Jr. and Balkwill, H. R.
1973: Description, palynology and paleoecology of the Hassel Formation (Cretaceous) on eastern Ellef Ringnes Island, District of Franklin.
- 72-38 Norford, B. S., *et al.*
1973: Biostratigraphic determinations of fossils from the subsurface of the Yukon Territory and the Districts of Franklin, Keewatin and Mackenzie.
- 72-42 Dyck, Willy
1973: Feasibility study of geochemical sampling of Arctic coastal streams by helicopter based on a Department of Transport icebreaker.
- 73-8 Krupička, J.
in press: Granulite facies rocks on northeastern Devon Island, Arctic Archipelago.

INFORMATION CIRCULARS

(Information Circular notes superseded by Papers, Bulletins, or Memoirs have been omitted)

- 4* Christie, R. L.
1961: Southeast Ellesmere Island, 1960; p. 2, 3. (Untitled notes.)
- 5* Fyles, J. G.
1962: Surficial geology, western Ellesmere and eastern Axel Heiberg Island, 1961; p. 4-6. (Untitled notes.)
- 5* Thorsteinsson, R., Tozer, E. T., Trettin, H. P. and Kerr, J. Wm.
1962: Axel Heiberg and Ellesmere Islands, 1961; p. 8-11. (Untitled notes.)

*Out of print

REPORTS OF ACTIVITIES

(Reports superseded by Papers, Bulletins, Memoirs,
or later Reports of Activity have been omitted)

GSC Paper No.

- 63-1 Thorsteinsson, R., Tozer, E. T., Trettin, H. P. and Kerr, J. Wm.
1963: Axel Heiberg and Ellesmere Islands; p. 5-7.
- 64-1 Craig, B. G.
1964: Surficial geology, Operation Admiralty; p. 3.
- 64-1 Kerr, J. Wm.
1964: Bathurst Island; p. 4, 5.
- 64-1 Vilks, G.
1964: Bottom sediment and foraminifera studies in East Bay,
Mackenzie King Island; p. 8.
- 64-1 Pelletier, B. R.
1964: Marine Geology Program - Arctic Ocean; p. 6, 7.
- 64-1 Pelletier, B. R.
1964: Marine Geology Program - Eastern Arctic Islands;
p. 7, 8.
- 64-2 Kerr, J. Wm. and Temple, P. G.
1964: Bathurst Island group; p. 11, 12.
- 65-1 Blackadar, R. G.
1965: Reconnaissance mapping, southwestern Baffin Island;
p. 2.
- 65-1 Blake, W., Jr.
1965: Surficial geology, Bathurst Island; p. 2, 3.
- 65-1 Craig, B. G.
1965: Surficial geology, Operation Wager, northeast
District of Keewatin and Melville Peninsula, District
of Franklin; p. 17-19.
- 65-1 Fyles, J. G.
1965: Surficial geology, western Queen Elizabeth Islands;
p. 3-5.
- 65-1 Kerr, J. Wm. and Temple, P. G.
1965: Stratigraphy and structure of Bathurst Island;
p. 5-8.
- 65-1 Nassichuk, W. W.
1965: Pennsylvanian and Permian rocks in the Parry Islands
group, Canadian Arctic Archipelago; p. 9-12.
- 65-1 Pelletier, B. R.
1965: Bottom studies on the Arctic Continental Shelf; p. 12.
- 65-1 Vilks, G.
1965: Bottom sediment and foraminiferal studies in
Satellite Bay, Prince Patrick Island, District of
Franklin; p. 15, 16.

Reports of Activities (cont'd)

Number

- 65-2 McGregor, D. C.
 1965: Upper Devonian spores from the Griper Bay Formation,
 Parry Islands, N.W.T.; p. 78.
- 66-1* Blackadar, R. G.
 1966: Operation Amadjuak, southern Baffin Island, p. 2.
- 66-1* Dineley, D. L.
 1966: Fossil vertebrates from the Reed Bay and Peel Sound
 Formation, Somerset Island, District of Franklin;
 p. 12, 13.
- 66-1* Frisch, T.
 1966: Metamorphic rocks, northern Ellesmere Island;
 p. 4, 5.
- 66-1* Jackson, G. D.
 1966: North Baffin Island; p. 14, 15.
- 66-2 Overton, A.
 1966: Seismic refraction surveys, western Queen Elizabeth
 Islands and polar continental margin; p. 20-24.
- 66-2 Gross, G. A.
 1966: The origin of high grade iron deposits on Baffin
 Island, N.W.T.; p. 39-43.
- 66-2 Nassichuk, W. W.
 1966: Notes on Pennsylvanian ammonoids from northern
 Ellesmere Island; p. 66.
- 67-1 Pt. A* Christie, R. L.
 1967: Operation Grant Land (1966), northern Ellesmere
 Island; p. 2, 3.
- 67-1 Pt. A* Frisch, T.
 1967: Igneous and metamorphic rocks, northern Ellesmere
 Island; p. 7.
- 67-1 Pt. A* Fyles, J. G.
 1967: Winter Harbour moraine, Melville Island; p. 8, 9.
- 67-1 Pt. A* Nassichuk, W. W.
 1967: Studies of Permo-Carboniferous and Mesozoic strata
 on northern Ellesmere Island; p. 10-12.
- 68-1 Pt. A* Hood, P. J., Sawatzky, P. and Bower, M. E.
 1968: Aeromagnetic investigations of Baffin Bay, the North
 Atlantic Ocean and the Ottawa area; p. 79-84.
- 68-1 Pt. A* Jackson, G. D.
 1968: Operation Bylot, North-Central Baffin Island;
 p. 144, 145.

*Out of print

Reports of Activities (cont'd)

Number

- 68-1 Pt. A* Blake, W., Jr.
1968: Glacial Geology and Geomorphology, Southwestern Ellesmere and Northwestern Devon Islands, District of Franklin; p. 154, 155.
- 68-1 Pt. A* Frisch, T. and Trettin, H. P.
1968: M'Clintock Inlet region, Northern Ellesmere Island; p. 196, 197.
- 68-1 Pt. A* Kerr, J. Wm.
1968: Southwest Ellesmere Island and Western Devon Island (Operation Grinnell); p. 199, 200.
- 68-1 Pt. A* Nassichuk, W. W.
1968: Upper Paleozoic Studies in the Sverdrup Basin, District of Franklin; p. 204-206.
- 68-1 Pt. B* Chamney, T. P.
1968: Foraminifera useful for determining the Jurassic - Cretaceous boundary in Arctic America; p. 82, 83.
- 69-1 Pt. A* Barnett, D. M.
1969: Geomorphological investigations, Generator Lake, Baffin Island, District of Franklin; p. 58.
- 69-1 Pt. A* McGregor, D. C. and Uyeno, T. T.
1969: Mid-Paleozoic biostratigraphy of the Arctic Islands; p. 134, 135.
- 69-1 Pt. A* Heywood, W. W.
1969: Southampton Island, District of Keewatin; p. 171.
- 69-1 Pt. A* Jackson, G. D.
1969: Reconnaissance of north-central Baffin Island; p. 171-176.
- 69-1 Pt. A* Blake, W., Jr.
1969: Glacial geology and geomorphology, southeastern Ellesmere Island and Coburg Island, District of Franklin; p. 188, 189.
- 69-1 Pt. A* French, H. M.
1969: Geomorphological investigations, Beaufort Plain, District of Franklin; p. 192.
- 69-1 Pt. A* Fyles, J. G.
1969: Northwestern Banks Island, District of Franklin; p. 194, 195.
- 69-1 Pt. A* Hills, L. V.
1969: Beaufort Formation, northwestern Banks Island, District of Franklin; p. 204-207.

*Out of print

Reports of Activities (cont'd)

Number

- 69-1 Pt. A* Hodgson, D. A. and Haselton, G. M.
1969: Quaternary reconnaissance, northeast Baffin Island;
p. 208.
- 69-1 Pt. A* Christie, R. L.
1969: Eastern Devon Island and southeast Ellesmere Island,
District of Franklin; p. 231-234.
- 69-1 Pt. A* Trettin, H. P.
1969: Geology and petroleum potential of Lower Paleozoic
sediments - Foxe Basin, northeastern Melville
Peninsula and parts of northern and central Baffin
Island; p. 246-252.
- 69-1 Pt. B* Hopkins, W. S., Jr.
1969: Jurassic - Cretaceous boundary, northwest Melville
Island; p. 75, 76.
- 70-1 Pt. A* Uyeno, T. T. and McGregor, D. C.
1970: Silurian-Devonian biostratigraphy of the Arctic
Islands, District of Franklin; p. 110, 110a, b.
- 70-1 Pt. A* Barnett, D. M.
1970: Proglacial geomorphology, Generator Lake, Baffin
Island, District of Franklin (27C); p. 189, 190.
- 70-1 Pt. A* French, H. M.
1970: Geomorphological investigations: northern and
southern Banks Island, District of Franklin (98);
p. 190-192.
- 70-1 Pt. A* Christie, R. L.
1970: Eastern Devon Island, District of Franklin;
p. 206, 207.
- 70-1 Pt. A* Kuc, M.
1970: Peat deposits and fossil mosses in the Arctic;
p. 161, 162.
- 71-1 Pt. A* Gross, G. A.
1971: Geology of iron and manganese deposits in Canada -
Melville Peninsula, District of Franklin; p. 84.
- 71-1 Pt. A* Blake, W., Jr.
1971: Glacial geology and geomorphology, southern
Ellesmere Island, Coburg, and Devon Islands, District
of Franklin; p. 157, 158.
- 71-1 Pt. A* Blake, W., Jr.
1971: Pumice on raised beaches, Eastern Arctic Canada;
p. 182.

*Out of print

Reports of Activities (cont'd)

Number

- 71-1 Pt. A* Christie, R. L., Kerr, J. Wm. and Thorsteinsson, R.
1971: Operation Peel Sound - Prince of Wales Island region; p. 197.
- 71-1 Pt. A* Trettin, H. P.
1971: Stratigraphy and sedimentology of lower Paleozoic clastic units, Tanquary and Cañon Fiord regions, Ellesmere Island; p. 236-241.
- 71-1 Pt. A* Jackson, G. D.
1971: Operation Penny Highlands, south-central Baffin Island; p. 138-140.
- 71-1 Pt. A* Sangster, D. F.
1971: Geology of lead and zinc deposits in Canada (Arctic Islands); p. 93.
- 71-1 Pt. A* Yorath, C. J., Shearer, J. and Havard, C. J.
1971: Seismic and sediment studies in the Beaufort Sea; p. 243, 244.
- 71-1 Pt. B* Hopkins, W. S., Jr.
1971: Preliminary ecological comments on Albian microfloras from the Canadian Arctic Islands; p. 97-102.

1971: Cretaceous and/or Tertiary rocks, northern Somerset Island, District of Franklin; p. 102-104.
- 72-1 Pt. A Reesor, J. E.
1972: Penrhyn Group metamorphic complex, Melville Peninsula, District of Franklin; p. 106.
- 72-1 Pt. A Barnett, D. M. and Kuc, M.
1972: Terrain performance, Melville Island, District of Franklin; p. 137.
- 72-1 Pt. A Barnett, D. M.
1972: Surficial geology and geomorphology of Melville Island, District of Franklin; p. 152.
- 72-1 Pt. A England, J. H.
1972: The glacial chronology of the Archer Fiord - Lady Franklin Bay area, northeastern Ellesmere Island, District of Franklin; p. 154.
- 72-1 Pt. A Balkwill, H. R.
1972: Structure and stratigraphy, Ringnes Islands and nearby smaller islands, District of Franklin; p. 196.
- 72-1 Pt. A Kerr, J. Wm. and Morrow, D. W.
1972: Southwest Ellesmere Island, western Devon Island, District of Franklin (Operation Grinnell); p. 215.

*Out of print

Reports of Activities (cont'd)

Number

- 72-1 Pt. A Mossop, G. D.
1972: Baumann Fiord Formation evaporites of central Ellesmere Island; p. 216.
- 72-1 Pt. A McGregor, D. C.
1972: Silurian-Devonian palynology of the Arctic Islands; p. 218.
- 72-1 Pt. A Nassichuk, W. W.
1972: Permian "hydrozoan" mounds discovered on southwestern Ellesmere Island; p. 219.
- 72-1 Pt. A Roy, K. J.
1972: Bjorne Formation (Lower Triassic), western Ellesmere Island; p. 224.
- 72-1 Pt. B Mossop, G. D.
1972: Baumann Fiord Formation evaporites of central Ellesmere Island, Arctic Canada; p. 86-90.
- 72-1 Pt. B Kuc, M.
1972: The response of tundra plants to anthropogenic habitats in the High Arctic; p. 105-112.
- 73-1 Pt. A Pelletier, B. R.
1973: Bottom studies of the Beaufort Sea; p. 115.
- 73-1 Pt. A Ross, D. I.
1973: Geophysical studies of Baffin Bay and adjacent continental margins; p. 116.
- 73-1 Pt. A Vilks, G.
1973: Ecology of Recent planktonic foraminifera in the surface waters of the Beaufort Sea; p. 122.
- 73-1 Pt. A Frisch, Thomas
1973: Granitic and associated rocks of the Committee Bay area, Districts of Keewatin and Franklin; p. 145.
- 73-1 Pt. A Barnett, D. M. and Forbes, D. L.
1973: Terrain performance, Melville Island, District of Franklin; p. 182.
- 73-1 Pt. A Hodgson, D. A.
1973: Terrain performance, central Ellesmere Island, District of Franklin; p. 185.
- 73-1 Pt. A Barnett, D. M. and Forbes, D. L.
1973: Surficial geology and geomorphology of Melville Island; p. 189-192.
- 73-1 Pt. A Grosswald, M. G.
1973: Reconnaissance glacial geology, southwestern Grinnell Peninsula, Devon Island, District of Franklin; p. 199, 200.

Reports of Activities (cont'd)

Number

- 73-1 Pt. A Hills, L. V.
1973: Beaufort Formation, western Queen Elizabeth Islands;
p. 202.
- 73-1 Pt. A Hodgson, D. A.
1973: Surficial geology and geomorphology of central
Ellesmere Island; p. 203.
- 73-1 Pt. A French, H. M.
1973: Geomorphological processes and terrain sensitivity,
Banks Island, District of Franklin; p. 220-223.
- 73-1 Pt. A Shearer, J. M.
1973: Surficial geology and geomorphology, Mackenzie Bay -
Continental Shelf; p. 242.
- 73-1 Pt. A Balkwill, H. R.
1973: Structure and stratigraphy, Ringnes Islands and
nearby smaller islands, District of Franklin;
p. 247-250.
- 73-1 Pt. A Bender, K. P.
1973: Pennsylvanian and Permian conodonts from Arctic
Canada; p. 251.
- 73-1 Pt. A Kerr, J. Wm., Morrow, D. W. and Savigny, K. W.
1973: Grinnell Peninsula, Devon Island, District of
Franklin; p. 137.
- 73-1 Pt. A Mossop, G. D.
1973: Lower Ordovician evaporites of the Baumann Fiord
Formation, Ellesmere Island; p. 264-267.
- 73-1 Pt. A Roy, K. J.
1973: Isachsen Formation, Amund Ringnes Island, District
of Franklin; p. 269-273.
- 73-1 Pt. A Trettin, H. P.
1973: Stratigraphy and sedimentology of Upper Ordovician
to Lower Devonian clastic formations, Cañon Fiord
region, Ellesmere Island; p. 273-277.

MAPS

(Maps included with reports have been omitted)

- 3-1958 Blackadar, R. G.
1958: Fury and Hecla Strait, District of Franklin, N.W.T.
(1 in. to 8 mi.).
- 4-1958 Blackadar, R. G.
1958: Foxe Basin North, District of Franklin, N.W.T.
(1 in. to 8 mi.).

Maps (cont'd)

Number

- 29-1958 Davison, W. L.
1959: Geology, Lake Harbour, Baffin Island, District of Franklin, N.W.T. (1 in. to 8 mi.).
- 55-1959* Blackadar, R. G.
1960: Geology, Hobart Island, District of Franklin, N.W.T. (1 in. to 4 mi.).
- 43-1960 Blackadar, R. G.
1960: Geology, Mingo Lake, Baffin Island, District of Franklin (1 in. to 4 mi.).
- 9-1962 Christie, R. L.
1962: Geology, Alexandra Fiord, Ellesmere Island, District of Franklin (1 in. to 4 mi.).
- 12-1962 Christie, R. L.
1962: Geology, southeastern Ellesmere Island, District of Franklin (1 in. to 4 mi.).
- 39-1962 Thorsteinsson, R. and Kerr, J. Wm.
1963: Selected areas of Ellesmere Island, District of Franklin (1 in. to 4 mi.).
- 21-1963 Tozer, E. T. and Trettin, H. P.
1963: Axel Heiberg and Stor Islands, District of Franklin (1 in. to 4 mi.).
- 30-1963 Geological Survey of Canada
1963: Geology of the Yukon, Northwest Territories and Arctic Islands (1:3,000,000).
- 10-1968 Kerr, J. Wm.
1968: Geology, southwestern Ellesmere Island (North Half), District of Franklin (1:125,000).
- 10-1968 Kerr, J. Wm.
1968: Geology, southwestern Ellesmere Island (South Half), District of Franklin (1:125,000).
- 1098A-1103A Fortier, Y. O., *et al.*
1963: Maps of Operation Franklin (1 in. to 8 mi.); with Memoir 320. (Maps available; Mem. 320 out of print).
- 1135A Thorsteinsson, R. and Tozer, E. T.
1962: Geology, Banks, Victoria, and Stefansson Islands, District of Franklin (1:1,000,000); with Memoir 330. (Map available; Mem. 330 out of print).
- 1142A Tozer, E. T. and Thorsteinsson, R.
1964: Geology, western Queen Elizabeth Islands, District of Franklin (1 in. to 8 mi.); with Memoir 332. (Map available separately).

*Out of print

Maps (cont'd)

Number

- 1205A Blackadar, R. G.
1969: Geology, Nottingham, Salisbury, and Mill Islands,
District of Franklin (1 in. to 4 mi.).
- 1235A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1968: Milne Inlet, District of Franklin (1 in. to 4 mi.).
- 1236A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1968: Navy Board Inlet, District of Franklin (1 in. to 4 mi.).
- 1237A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1968: Arctic Bay - Cape Clarence, District of Franklin
(1 in. to 4 mi.).
- 1238A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1968: Moffet Inlet - Fitzgerald Bay, District of Franklin
(1 in. to 4 mi.).
- 1239A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1967: Phillips Creek, District of Franklin (1 in. to 4 mi.).
- 1240A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1967: Agu Bay - Easter Cape, District of Franklin
(1 in. to 4 mi.).
- 1241A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1967: Berlinguet Inlet - Bourassa Bay, District of Franklin
(1 in. to 4 mi.).
- 1242A Blackadar, R. G., Davison, W. L. and Trettin, H. P.
1967: Erichsen Lake, District of Franklin (1 in. to 4 mi.).
- 1298A Thorsteinsson, R.
1971: Geology, Slidre Fiord, District of Franklin (1:50,000).
- 1299A Thorsteinsson, R.
1971: Geology, Middle Fiord, District of Franklin (1:250,000).
- 1300A Thorsteinsson, R.
1972: Geology, Eureka Sound south, District of Franklin
(1:250,000).
- 1301A Thorsteinsson, R.
1971: Geology, Strand Fiord, District of Franklin (1:250,000).
- 1302A Thorsteinsson, R.
1972: Geology, Eureka Sound north, District of Franklin
(1:250,000).
- 1303A Thorsteinsson, R.
1971: Geology, Haig-Thomas Island, District of Franklin
(1:250,000).
- 1304A Thorsteinsson, R.
1972: Geology, Glacier Fiord, District of Franklin
(1:250,000).

Maps (cont'd)

Number

- 1305A Thorsteinsson, R. and Trettin, H. P.
1972: Geology, Cape Stallworthy, District of Franklin
(1:250,000).
- 1306A Thorsteinsson, R. and Trettin, H. P.
1972: Geology, Tanquary Fiord, District of Franklin
(1:250,000).
- 1307A Thorsteinsson, R.
1972: Geology, Strathcona Fiord, District of Franklin
(1:250,000).
- 1308A Thorsteinsson, R.
1972: Geology, Cañon Fiord, District of Franklin (1:250,000).
- 1309A Thorsteinsson, R. and Trettin, H. P.
1972: Geology, Otto Fiord, District of Franklin (1:250,000).
- 1310A Thorsteinsson, R. and Trettin, H. P.
1972: Geology, Bukken Fiord, District of Franklin (1:250,000).
- 1311A Thorsteinsson, R.
1972: Geology, Greely Fiord west, District of Franklin
(1:250,000).
- 1348A Thorsteinsson, R.
1973: Geology, Greely Fiord east, District of Franklin
(1:250,000).

ANNUAL AND SUMMARY REPORTS

Date

- 1886 Pt. R* Dawson, G. M.
1887: Notes to accompany a geological map of the northern
portion of the Dominion of Canada, east of the Rocky
Mountains. (Report and Map 255).
- 1915* Anderson, R. M.
1916: Canadian Arctic Expedition 1915; p. 220-236.
- 1915* O'Neill, J. J.
1916: Geological reports, Canadian Arctic Expedition;
(c) Along Arctic Coast between Chantry Island in
Dolphin and Union Strait, and Keats Point; p. 239-241.
- 1925 Pt. C* Weeks, L. J.
1927: The geology of parts of eastern Arctic, Canada;
p. 136-141.
- 1927 Pt. C* Weeks, L. J.
1928: Cumberland Sound area, Baffin Island; p. 83-95.
(Report and Map 219A)

SEPARATE REPORTS

Author

- Low, A. P.*
1906: The Cruise of the Neptune: Report on the Dominion Government expedition to Hudson Bay and the Arctic Islands on board the D.G.S. Neptune, 1903-04; Government Printing Bureau, Ottawa. (Report and Map 906; also Separate Report 905, same title)

ECONOMIC GEOLOGY SERIES

Number

- 1 (3rd ed.)* Armstrong, J. E.
1947: The Arctic Archipelago, *in* Geology and economic minerals of Canada; p. 311-324.
- 1 (4th ed.)* Fortier, Y. O.
1957: The Arctic Archipelago, *in* Geology and economic minerals of Canada; p. 393-442.
- 1 (5th ed.) Thorsteinsson, R. and Tozer, E. T.
1970: Geology of the Arctic Archipelago, *in* Geology and economic minerals of Canada; p. 547-590.

OPEN FILE REPORTS

- O.F. 64: Preliminary notes on lower Paleozoic geology, Foxe Basin, north-eastern Melville Peninsula, and parts of northern and central Baffin Island, by H. P. Trettin. (Notes, fossil identifications, correlation chart, index map, and location maps).
- O.F. 66: Geology of Prince of Wales and adjacent small islands (1:125,000), by R. L. Christie, J. Wm. Kerr and R. Thorsteinsson. (Maps and legend).
- O.F. 67: Carboniferous and Permian stratigraphy of Axel Heiberg Island and western Ellesmere Island, Canadian Arctic Archipelago, by R. Thorsteinsson. (Report with figures, tables, plates).
- O.F. 86: Bathurst Island Group and Byam Martin Island, Arctic Canada (Operation Bathurst Island), by J. Wm. Kerr. (Report, map, tables, plates, and figures).
- O.F. 88: Geology of Greely Fiord (East Half) map-area (NTS 340 A; 1:125,000), by R. Thorsteinsson and J. Wm. Kerr. (Map and legend).
- O.F. 94: List of published measured lithologic sections in the Canadian Arctic Islands, compiled by K. J. Roy. (List and index map; sections measured and described by officers of the Geological Survey and by J. C. Troelsen, prior to 1971).

*Out of print

Open File Reports (cont'd)

Number

- O.F. 107: List of samples, fossil collections, suites of petrographic thin sections, and analytic reports from wells drilled in the Districts of Mackenzie and Franklin and the Yukon Territory, compiled by M. J. Rice. Samples available upon written request; a few days notice is required.
- O.F. 111: Geology of Sawyer Bay, Dobbin Day, and Kennedy Channel - Lady Franklin Bay Map-Areas (1:250,000), by J. Wm. Kerr and R. L. Christie. (Maps and legend).
- O.F. 139: Geological maps of parts of the Canadian Arctic Archipelago: Prince Alfred (NTS 59B), Resolute (58F), Baillie-Hamilton Island (58G), Lowther Island (68E), and McDougall Sound (68H) Map-Areas (1:125,000), by R. Thorsteinsson. (Maps, legend and notes).
- O.F. 151: Tips on organizing Arctic geological field work; by J. Wm. Kerr.
- O.F. 153: Three new lower Paleozoic formations of the Boothia Peninsula region, Canadian Arctic Archipelago, by R. L. Christie. (Report, figure, plates).
- O.F. 159: Geological map of Amund Ringnes and Haig-Thomas Islands, District of Franklin (parts of 59C, 59F, 69D, and 69E) (1:125,000), by H. R. Balkwill, K. J. Roy, W. V. Sliter, and W. S. Hopkins. (Maps, legend, and table of formations).

AGE-DETERMINATIONS OF THE
GEOLOGICAL SURVEY OF CANADA

K-Ar isotopic ages

Potassium-argon age measurements are carried out in the laboratories of the Geological Survey of Canada and are reported, with pertinent data and geological interpretation, annually in the Papers series. The age determination laboratory numbers (preceded by 'GSC' in the following list) are referred to the officer providing the interpretation.

GSC Paper No.

- 60-17 Report 1 (1960)
Blackadar, R. G., GSC 59-15; p. 10.
- 62-17 Report 3 (1963)
Christie, R. L., GSC 61-49, 61-53; p. 30, 33.
Davison, W. L., GSC 61-52; p. 32.
Stockwell, C. H., GSC 61-50, 61-51; p. 31.
Trettin, H. P., GSC 61-48; p. 30.
- 63-17 Report 4 (1963)
Blackadar, R. G., GSC 62-85, 62-86; p. 55, 56.
Laroche, A. and Black, R. F., GSC 62-87A, 62-87B; p. 56, 57.
Thorsteinsson, R., GSC 62-83, 62-84; p. 55.
- 64-17 Pt. I Report 5 (1965)
Blackadar, R. G., GSC 63-17, 63-18; p. 24.
Fahrig, W. F., GSC 63-19, 63-20; p. 25.
Trettin, H. P., GSC 63-21 to 63-23; p. 26-29.

Age-determinations (cont'd)

GSC Paper No.

- 65-17 Report 6 (1966)
Blackadar, R. G., GSC 64-29 to 64-36; p. 26-30.
Heywood, W. W., GSC 64-28; p. 26.
- 66-17 Report 7 (1967)
Fahrig, W. F., GSC 65-57, 65-58, 65-59; p. 52, 53.
Kerr, J. Wm., GSC 65-60, 65-61; p. 53, 54.
Description, but no interpretation available: GSC 65-52 to
65-56; p. 50-52.
- 67-2 Pt. A Report 8 (1968)
Blackadar, R. G., GSC 66-66 to 66-70; p. 61-64.
Frisch, T., GSC 66-61 to 66-64; p. 57-59.
Trettin, H. P., GSC 66-65; p. 60.
- 69-2 Pt. A Report 9 (1970)
Fahrig, W. F., GSC 67-53, 67-54; p. 31, 32.
Frisch, T., GSC 67-50 to 67-52; p. 30, 31.
Jackson, G. D., GSC 67-55 to 67-63; p. 32-36.
Taylor, F. C., GSC 67-64; p. 36.
- 71-2 Report 10 (1972)
Jackson, G. D., GSC 70-51 to 70-68; p. 34-41.

Radiocarbon dates

Carbon¹⁴ ages are determined in the laboratories of the Geological Survey of Canada. Early lists of ages (Lists I to VI) were published first in the journal Radiocarbon and were reprinted as GSC Papers with new pagination. Lists VII to XI were reprinted from Radiocarbon with the same pagination. List XII was published directly by the Geological Survey of Canada. The age determination laboratory numbers (preceded by 'GSC' in the following list) are referred to the officer providing the interpretation.

- 63-21 Radiocarbon Dates I and II (1963) (Radiocarbon, v. 4, 1962,
p. 13-26; v. 5, 1963, p. 39-55).
Fyles, J. G., GSC-10, 12, 51; p. 9; GSC-65, 105; p. 30.
- 64-40 Radiocarbon Dates III (1964) (Radiocarbon, v. 6, 1964,
p. 167-181).
Craig, B. G., GSC-136, 150, 144, 145, 123, 135; p. 9-14.
Fyles, J. G., GSC-146, 140, 118, 170, 175, 129, 111, 134,
113, 139, 149; p. 10-13.
Hench, W. E. S., GSC-154; p. 13.
- 65-4 Radiocarbon Dates IV (1965) (Radiocarbon, v. 7, 1965, p. 24-46).
Blake, W., Jr., GSC-164, 165, 166, 178, 179, 201, 180, 212,
182, 191, 223, 167; p. 17-19.
Craig, B. G., GSC-235, 241, 189, 183, 239, 184, 190, 188;
p. 17-21.
Fyles, J. G., GSC-240, 222, 238, 255, 269, 268, 243, 254,
244; p. 15-20.
Harrison, D. A. H., GSC-209, p. 22.

Age-determinations (cont'd)

GSC Paper No.

- 66-48 Radiocarbon Dates V (1966) (Radiocarbon, v. 8, 1966, p. 96-127).
Blake, W., Jr., GSC-378, 401, 233, 386, 387; p. 27, 28.
Craig, B. G., GSC-390, 307, 304, 306, 392, 450, 319;
p. 25-27.
Fyles, J. G., GSC-355, 488, 489, 266, 367; p. 29.
Østrem, G., GSC-122; p. 25.
- 67-2 Pt. B Radiocarbon Dates VI (1967) (Radiocarbon, v. 9, 1967, p. 156-197).
Andrews, J. T., GSC-564, 557, 259, 427, 528; p. 30, 31.
Blake, W., Jr., GSC-344, 594, 224, 645, 646, 302, 303, 610,
560, 468, 426, 414, 425, 591, 433, 504, 596, 463,
463-2, 532, 462, 467, 464, 503, 498, 561, 465, 553,
466, 322, 353, 250, 402, 253, 377, 249, 251; p. 21-35.
Craig, B. G., GSC-601, 603, 597, 328, 616, 617, 652, 600;
p. 23, 32, 33.
Falconer, G., GSC-654; p. 32.
Fyles, J. G., GSC-320, 356, 357, 315, 282, 278, 363, 339,
279, 324, 422, 262, 260, 352, 323, 381; p. 35-38.
Hattersley-Smith, G., GSC-374, 376, 373; p. 39.
Matthews, B., GSC-533; p. 28.
Smith, J. E., GSC-599, 556; p. 32.
- 68-2 Pt. B Radiocarbon Dates VII (1968) (Radiocarbon, v. 10, no. 2, 1968,
p. 207-245).
Andrews, J. T., GSC-827, 813; p. 236.
Andrews, J. T. and Buckley, J. T.; GSC-707, 739, p. 237.
Barnett, D. M., GSC-814, 583, 584, 631; p. 237, 238.
Blake, W., Jr., GSC-708, 722, 724, 726, 692, 738, 721;
p. 236-240.
Fyles, J. G., GSC-727, 787, 667, 664, 786, 665; p. 241, 242.
Hattersley-Smith, G., GSC-745; p. 239.
Kupsch, W. O., GSC-452; p. 239.
Pissart, A., GSC-854, 764; p. 242.
Smith, J. E., GSC-630, 633; p. 238.
- 69-2 Pt. B Radiocarbon Dates VIII (1969) (Radiocarbon, v. 11, no. 1, p. 22-42).
Maxwell, M. S., GSC-794, 820; p. 38.
Taylor, W. E., GSC-701, 702, 703, 640, 658, 713, 656, 650,
651, 669, p. 37-40.
- 70-2 Pt. B Radiocarbon Dates IX (1970) (Radiocarbon, v. 12, no. 1, 1970,
p. 46-86).
Barr, W., GSC-991, 891; p. 82.
Hattersley-Smith, G., GSC-1025; p. 83.
King, C. A. M., GSC-911; p. 82.
Müller, F., GSC-637, 432; p. 83.
- 70-2 Pt. B Radiocarbon Dates X (1970) (Radiocarbon, v. 12, no. 2, 1970,
(Second report) p. 472-485).
Dekin, A. A., Jr., GSC-1051; p. 483.
Maxwell, M. S., GSC-849; p. 484.

Age-determinations (cont'd)

GSC Paper No.

- 71-7 Radiocarbon Dates XI (1971) (Radiocarbon, v. 13, no. 2, 1971, p. 255-324).
Barnett, D. M., GSC-943; p. 309
Blake, W., Jr., GSC-516, 575, 1072, 1128, 907, 865, 879, 864, 845, 873, 835, 833, 1007, 928, 986, 826, 921, 839, 823, 863, 1225, 1080, 1047, 1078, 1148, 1320, 840, 619, 1193, 783, 736, 1123, 1171; p. 304-317.
Feyling-Hanssen, R. W., GSC-796; p. 309.
Fyles, J. G., GSC-517, 690; p. 304.
Hattersley-Smith, G., GSC-1206; p. 315.
Hodgson, D. A., GSC-1094, 1163, 1071, 1090, 1153, 1215; p. 309-311.
Hodgson, D. A. and Haselton, G. M., GSC-1064; p. 310.
Kerfoot, D. E., GSC-513, p. 304.
Kerfoot, D. E. and Fyles, J. G., GSC-562; p. 305.
Müller, F., GSC-1138; p. 316.
St.-Onge, D. A., GSC-999; p. 316.
- 72-7 Radiocarbon Dates XII (1972)
Dekin, A. A., Jr., GSC-1382; p. 22.

REPORTS IN SCIENTIFIC JOURNALS OTHER THAN THOSE OF
THE GEOLOGICAL SURVEY OF CANADA

Author

- Agterberg, F. P., Hills, L. V. and Trettin, H. P.
1967: Paleocurrent trend analysis of a delta in the Bjorne Formation (Lower Triassic) of northwestern Melville Island, Arctic Archipelago; *J. Sediment. Petrol.*, v. 37, p. 852-862. Abstract *in* *Geol. Surv. Can.*, Paper 68-4, p. 3.
- Andrews, J. T. and Barnett, D. M.
1972: Analysis of strandline tilt directions in relation to ice centers and postglacial crustal deformation, Laurentide ice sheet; *Geog. Annaler*, v. 54A, no. 1, p. 1-11.
- Barnett, D. M.
1970: Generator Lake, Baffin Island, N.W.T. and Tasiujaq Cove, Ekalugad Fiord, Baffin Island, N.W.T. 1968; *Can. Oceanographic Data Centre: Oceanogr. Data Record Ser. no. 1*. Abstract *in* *Geol. Surv. Can.*, Paper 71-4, p. 2.
- Barrett, D. L.
1966: Lancaster Sound shipborne magnetometer survey; *Can. J. Earth Sci.*, v. 3, p. 223-235.
- Barrett, D. L., Keen, C. E., Manchester, K. S. and Ross, D. I.
1971: Baffin Bay - an ocean; *Nature*, v. 229, p. 551-553.
- Barrett, D. L. and Manchester, K. S.
1969: Crustal structure in the Baffin Bay and Davis Strait region from magnetometer surveys (Abst.); *Trans. Am. Geophys. Un.*, v. 50, p. 135.

Other Scientific Journals (cont'd)

Author

Blackadar, R. G.

- 1957: The Proterozoic stratigraphy of the Canadian Arctic Archipelago and northwestern Greenland; Roy. Soc. Can., Spec. Publ. No. 2, p. 93-100.
- 1958: Patterns resulting from glacier movements north of Foxe Basin, N.W.T.; Arctic, v. 11, no. 3, p. 157-165.
- 1961: Field methods and logistics: Arctic Canada *in* Geology of the Arctic, G. O. Raasch, ed., Univ. Toronto Press, v. 2, p. 1095-1101.

Blake, W., Jr.

- 1970: Studies of glacial history in Arctic Canada. I. Pumice, radio-carbon dates, and differential postglacial uplift in the eastern Queen Elizabeth Islands; Can. J. Earth Sci., v. 7, no. 2 (Pt. 2), p. 634-664. Abstract *in* Geol. Surv. Can., Paper 71-4, p. 3.
- 1972: Climatic implications of radiocarbon-dated driftwood in the Queen Elizabeth Islands, Arctic Canada; Acta Univ. Oul., Series A, no. 3, Geol. No. 1, p. 77-104.
- 1973: Former occurrence of *Mytilus edulis* L. on Coburg Island, Arctic Archipelago; Naturaliste Canadien, v. 100, no. 1, p. 51-88.

Bolton, T. E.

- 1966: Some Late Silurian bryozoa from the Canadian Arctic Islands; Paleontology, v. 9, Pt. 3, p. 517-522. Abstract *in* Geol. Surv. Can., Paper 67-4, p. 8.

Brown, I. C.

- 1951: Circular structure in the Arctic Islands; Am. J. Sci., v. 249, p. 785-794.

Christie, R. L.

- 1970: The Arctic Islands; background paper on a Canadian geological province for the Solid-Earth Science Study Group of the Science Council of Canada; Bull. Can. Mining Met., v. 63, no. 693, p. 31-33.
- 1972: Central Stable Region *in* The Canadian Arctic Islands and Mackenzie Region; XXIV Intern. Geol. Congr., Montreal, Canada, Guidebook, Excursion A-66.
- 1972: Quaternary Geology *in* The Canadian Arctic Islands and Mackenzie Region; XXIV Intern. Geol. Congr., Montreal, Canada, Guidebook, Excursion A-66.

Copeland, M. J.

- 1967: An occurrence of *Caryocaris* (Crustacea, Phyllocarida) from the Canadian Arctic; J. Paleontol., v. 41, no. 5, p. 1193-1194. Abstract *in* Geol. Surv. Can., Paper 68-4, p. 14.

Other Scientific Journals (cont'd)

Author

- Craig, B. G. and Fyles, J. G.
1965: Quaternary of Arctic Canada *in* Anthropogen Period in Arctic and Subarctic; Trans. Scientific Research Institute of the Geology of the Arctic, State Geological Committee, U.S.S.R., Moscow, v. 143, p. 5-33 (Russian with English Summary). Abstract in English *in* Geol. Surv. Can., Paper 66-4, p. 14-15.
- Davies, G. R. and Nassichuk, W. W.
1972: Upper Paleozoic evaporites of the Sverdrup Basin, Arctic Canada (Abst.); Bull. Am. Assoc. Petrol. Geologists, v. 56, p. 612. Also *in* Geol. Surv. Can., Paper 72-4, p. 15.
1973: The hydrozoan? *Palaeoaplysina* from the upper Paleozoic of Ellesmere Island, Arctic Canada; J. Paleontol., v. 47, no. 2, p. 251-265.
- Fahrig, W. F., Irving, E and Jackson, G. D.
1971: Paleomagnetism of the Franklin Diabase; Can. J. Earth Sci., v. 8, no. 4, p. 455-467. Abstract *in* Geol. Surv. Can., Paper 72-4, p. 18.
- Fahrig, W. F. and Schwarz, E. J.
1972: Additional paleomagnetic data on the Baffin diabase dikes and a revised Franklin pole; Can. J. Earth Sci., v. 10, p. 576-581.
- Fortier, Y. O.
1955: Innuitian Region; Trans. Can. Inst. Mining Met., v. 58, p. 1-2, Fig. 1.
- Fortier, Y. O. and Thorsteinsson, R.
1953: The Parry Islands folded belt in the Canadian Arctic Archipelago; Am. J. Sci., v. 251, April 1953, p. 259-267.
- Fortier, Y. O., McNair, A. H. and Thorsteinsson, R.
1954: Geology and petroleum possibilities in Canadian Arctic Islands; Bull. Am. Assoc. Petrol. Geologists, v. 38, no. 10.
- Fortier, Y. O. and Morley, L. W.
1956: Geological unity of the Arctic Islands; Trans. Roy. Soc. Can., v. 50, 3rd ser., p. 3-12.
- French, H. M.
1970: Soil temperatures in the active layer, Beaufort Plain; Arctic, v. 23, no. 4, p. 229-239.
1971: Ice cored mounds and patterned ground, southern Banks Island, western Canadian Arctic; Geog. Annaler, v. 53A, no. 1, p. 32-38.
1971: Slope asymmetry of the Beaufort Plain, northwest Banks Island, N.W.T., Canada; Can. J. Earth Sci., v. 8, no. 7, p. 717-731.
- Fricker, P. E. and Trettin, H. P.
1963: Pre-Mississippian Succession of Northernmost Axel Heiberg Island, Canadian Arctic Archipelago *in* Geology; no. 3, Axel Heiberg Island Research Reports, McGill University, Montreal.

Other Scientific Journals (cont'd)

Author

- Fyles, J. G. and Blake, W., Jr.
1965: Glaciation of the northwestern Canadian Arctic Islands; Intern. Assoc. Quat. Res. (INQUA), VII Intern. Congr., Abstracts, p. 156. Abstract *in* Geol. Surv. Can., Paper 66-4, p. 23.
- Grant, A. C.
1972: Geophysical investigations on the continental shelf off southern Baffin Bay (Abst.); Trans. Am. Geophys. Un., v. 53, p. 407.
- Gregory, A. F., Morley, L. W. and Bower, M. E.
1961: Airborne geophysical reconnaissance in the Canadian Arctic Archipelago; Geophysics, v. 26, no. 6, p. 727-737.
- Gross, G. A.
1966: The origin of high grade iron deposits on Baffin Island, N.W.T.; Can. Mining J., v. 87, no. 4, p. 111-114. Abstract *in* Geol. Surv. Can., Paper 67-4, p. 26.
- Heywood, W. W.
1955: Arctic piercement domes; Trans. Can. Inst. Mining Met., v. 58, p. 27-32.
- Hobson, G. D.
1962: Seismic exploration in the Canadian Arctic Islands; Geophysics, v. XXVII, no. 2, p. 253-273.
- Hobson, G. D. and Overton, A.
1967: A seismic section of the Sverdrup Basin, Canadian Arctic Islands *in* Seismic Refraction Prospecting; A. W. Musgrave, ed., p. 550-562, special volume by Society of Exploration Geophysicists, Tulsa, Okla. Abstract *in* Geol. Surv. Can., Paper 68-4, p. 27.
- Hood, P. and Bower, M. E.
1971: Low-level aeromagnetic surveys of the continental shelves bordering Baffin Bay and the Labrador Sea (Abst.); Geol. Surv. Can., Paper 71-4, p. 18.
1972: Aeromagnetic reconnaissance of the North Atlantic Ocean, Labrador Sea and Baffin Bay; 15th General Assembly, Int. Union of Geodesy and Geophys., Paper S9-45, Moscow, 1971. Abstract *in* Geol. Surv. Can., Paper 72-4, p. 22.
- Jackson, G. D.
1966: Geology and mineral possibilities of the Mary River region, northern Baffin Island; Can. Mining J., v. 87, no. 6, p. 57-61. Abstract *in* Geol. Surv. Can., Paper 67-4, p. 32.
- Jackson, G. D. and Taylor, F. C.
1972: Correlation of major Archean rock units in the northeastern Canadian Shield; Can. J. Earth Sci., v. 9, no. 12, p. 1650-1669.

Other Scientific Journals (cont'd)

Author

Keen, C. E. and Barrett, D. L.

1972: Seismic refraction studies in Baffin Bay: an example of a developing ocean basin; *Geophys. J.*, v. 30, no. 3, p. 253-272.

Keen, C. E., Barrett, D. L., Manchester, K. S. and Ross, D. I.

1972: Geophysical studies in Baffin Bay and some tectonic implications; *Can. J. Earth Sci.*, v. 9, p. 239-256.

Kerr, J. Wm.

1967: Nares Submarine Rift Valley and the Relative Rotation of North Greenland; *Bull. Can. Petrol. Geol.*, v. 15, no. 4, p. 483-520. Abstract *in Geol. Surv. Can.*, Paper 68-4, p. 35.

1967: Devonian of the Franklinian Miogeosyncline and adjacent Central Stable Region *in Intern. Symp. on the Devonian System*, D. H. Oswald, ed., Alberta Soc. Petrol. Geologists, Calgary, Alberta, v. 1, p. 677-692. Abstract *in Geol. Surv. Can.*, Paper 68-4, p. 34.

1967: New nomenclature for Ordovician rock units of the eastern and southern Queen Elizabeth Islands, Arctic Canada; *Bull. Can. Petrol. Geol.*, v. 15, p. 91-113. Abstract *in Geol. Surv. Can.*, Paper 68-4, p. 37.

1967: A submerged continental remnant beneath the Labrador Sea; *Earth and Planetary Science Letters*, v. 2, p. 283-289. Abstract *in Geol. Surv. Can.*, Paper 68-4, p. 38.

1970: Today's topography and tectonics in northeastern Canada (Abst.); *Can. J. Earth Sci.*, v. 7, no. 2, p. 570.

1971: Geology of outstanding Arctic aerial photographs: 1. Cape Storm area, southern Ellesmere Island; *Bull. Can. Petrol. Geol.*, v. 18, no. 4, p. 463-468. Abstract *in Geol. Surv. Can.*, Paper 71-4, p. 24.

1972: Geology of outstanding Arctic aerial photographs: 2. Schei Summit Area, central Ellesmere Island; *Bull. Can. Petrol. Geol.*, v. 20, no. 1. Abstract *in Geol. Surv. Can.*, Paper 72-4, p. 25.

Kerr, J. Wm. and Christie, R. L.

1965: Tectonic history of Boothia uplift and Cornwallis fold belt, Arctic Canada; *Bull. Am. Assoc. Petrol. Geologists*, v. 49, p. 905-926. Abstract *in Geol. Surv. Can.*, Paper 66-4, p. 32.

Kerr, J. Wm., McGregor, D. C. and McLaren, D. J.

1965: An unconformity between Middle and Upper Devonian rocks of Bathurst Island, with comments on Upper Devonian faunas and microfloras of the Parry Islands; *Bull. Can. Petrol. Geol.*, v. 13, no. 3, p. 409-431. Abstract *in Geol. Surv. Can.*, Paper 66-4, p. 33.

Kerr, J. Wm. and Thorsteinsson, R.

1971: Preliminary submission for Silurian-Devonian stratotype, Canadian Arctic Archipelago; *Geol. Newsletter*, no. 4, p. 266-272. Abstract *in Geol. Surv. Can.*, Paper 72-4, p. 25.

Other Scientific Journals (cont'd)

Author

- Kerr, J. Wm. and Trettin, H. P.
1962: Mississippian rocks and the Mid-Paleozoic earth movements in the Canadian Arctic Archipelago; *J. Alberta Soc. Petrol. Geologists*, v. 10, p. 247-256.
- Kuc, M.
1971: Additions to the Arctic Moss Flora V: The role of mosses in plant succession and the development of peat on Fitzwilliam Owen Island (western Canadian Arctic); *Revue Bryologique et Lichénologique*, v. 37, no. 4, p. 931-939.
- Kuc, M. and Hills, L. V.
1971: Fossil mosses, Beaufort Formation (Tertiary), northwestern Banks Island, Western Canada Arctic; *Can. J. Botany*, v. 49, no. 7, p. 1089-1094.
- Larochelle, A. and Black, R. F.
1963: An application of palaeomagnetism in estimating the age of rocks; *Nature*, v. 198, p. 1260-1262 (on diabase near Isachsen, Ellef Ringnes Island).
- Larochelle, A., Black, R. F., and Wanless, R. K.
1965: Paleomagnetism of the Isachsen diabasic rocks; *Nature*, v. 208, no. 5006, p. 179. Abstract *in* *Geol. Surv. Can.*, Paper 66-4, p. 34.
- Logan, Alan
1970: The new bivalve genus *Arctomyalina* from the Pennsylvanian of the Canadian Arctic Archipelago; *J. Paleontol.*, v. 44, no. 3, p. 501-506.
1970: A new species of *Cyrtorostra* (bivalvia) from the Permian of the Canadian Arctic; *J. Paleontol.*, v. 44, no. 5, p. 867-871.
- Løken, O. H. and Hodgson, D. A.
1970: On the submarine geomorphology along the east coast of Baffin Island; *Can. J. Earth Sci.*, v. 8, no. 2, p. 185-195. Abstract *in* *Geol. Surv. Can.*, Paper 71-4, p. 17.
- Mackay, J. R.
1972: Offshore permafrost and ground ice, southern Beaufort Sea, Canada; *Can. J. Earth Sci.*, v. 9, no. 11, p. 1550-1561.
- Macurda, D. B.
1967: A Permian blastoid from the Canadian Arctic; *J. Paleontol.*, v. 41, p. 1282-1284.
- McCrossan, R. G. and Proctor, R. M.
1971: Mineral potential of Arctic Canada; *UMR Journal*, no. 2, p. 31-37. Abstract *in* *Geol. Surv. Can.*, Paper 72-4, p. 28.
- McGregor, D. C.
1966: Devonian spores from eastern and Arctic Canada; *Can. Bot. Assoc.*, Abstracts, Ann. Meeting, Vancouver, 1966, p. 14. Abstract *in* *Geol. Surv. Can.*, Paper 67-4, p. 40.

Other Scientific Journals (cont'd)

Author

McGregor, D. C.

- 1967: Composition and range of some Devonian spore assemblages of Canada; Rev. Palaeobotany Palynology, v. 1, p. 173-183. Abstract in Geol. Surv. Can., Paper 68-4, p. 46.
- 1967: *Kryshstofovichia*, *Nikitinsporites*, and *Archaeoperisaccus* (Abst); Can. Botan. Assoc., Paleobot. Sect., Ann. Meeting, Ottawa, 1967. Abstract in Geol. Surv. Can., Paper 68-4, p. 47.

McLaren, D. J.

- 1960: The role of fossils in defining rock units with examples from the Devonian of Western and Arctic Canada; Am. J. Sci., v. 257, p. 734-751.
- 1971: Energy versus environment - the Arctic dilemma; Bull. Can. Mining Met., v. 64, p. 68-73. Abstract in Geol. Surv. Can., Paper 72-4, p. 30.

Nassichuk, W. W.

- 1965: Pennsylvanian Ammonoids from Ellesmere Island, Canadian Arctic Archipelago; Ph.D. thesis, University of Iowa.
- 1967: A morphologic character new to ammonoids portrayed by *Clistoceras* gen. nov. from the Pennsylvanian of Arctic Canada; J. Paleontol., v. 41, no. 1, p. 237-242. Abstract in Geol. Surv. Can., Paper 67-4, p. 43.
- 1970: Permian ammonoids from Devon and Melville Islands, Canadian Arctic Archipelago; J. Paleontol., v. 44, p. 77-97.
- 1972: Sverdrup Basin in The Canadian Arctic Islands and the Mackenzie region; XXIV Intern. Geol. Congr., Montreal, Canada; Guidebook, Excursion A-66.

Nassichuk, W. W. and Furnish, W. M.

- 1965: *Christioceras*, a new Pennsylvanian ammonoid from the Canadian Arctic; J. Paleontol., v. 39, no. 4, p. 724-728. Abstract in Geol. Surv. Can., Paper 66-4, p. 41.
- 1970: *Christioceras*, an Arctic Pennsylvanian ammonoid, discovered in West Texas; J. Paleontol., v. 44, no. 2, p. 399-401.

Nassichuk, W. W. and Spinosa, Claude

- 1970: *Helicoprion* sp., a Permian elasmobranch from Ellesmere Island, Canadian Arctic; J. Paleontol., v. 44, p. 1130-1132. Abstract in Geol. Surv. Can., Paper 71-4, p. 33.

- 1972: Early Permian (Asselian) ammonoids from the Hare Fiord Formation, northern Ellesmere Island; J. Paleontol., v. 46, p. 536-544.

Nassichuk, W. W., Thorsteinsson, R. and Tozer, E. T.

- 1972: Permian-Triassic boundary in the Canadian Arctic Archipelago; Bull. Can. Petrol. Geol., v. 20, no. 4, p. 651-658.

Other Scientific Journals (cont'd)

Author

- Overton, A.
1970: Seismic refraction surveys, western Queen Elizabeth Islands and Polar Continental Margin; Can. J. Earth Sci., v. 7, no. 2, p. 345-365. Abstract *in* Geol. Surv. Can., Paper 71-4, p. 34.
- Pelletier, B. R.
1966: Development of submarine physiography in the Canadian Arctic and its relation to crustal movement *in* Continental Drift, Garland, G. D., ed., Roy. Soc. Can., Spec. Publ. No. 9, Univ. of Toronto Press, P. 77-101.
- Rigby, J. K.
1970: *Ellesmerespongia feildeni*, a new Permian sponge from the Canadian Arctic; J. Paleontol., v. 44, no. 6, p. 1143-1145.
- Roy, S. K. and Hills, L. V.
1972: Fossil woods from the Beaufort Formation (Tertiary), northwestern Banks Island, Canada; Can. J. Botany, v. 50, no. 12, p. 2637-2648.
- Sander, G. W. and Overton, A.
1965: Deep seismic refraction investigation in the Canadian Arctic Archipelago; Geophysics, v. 30, p. 87-96. Abstract *in* Geol. Surv. Can., Paper 66-4, p. 45.
- Souchez, R.
1971: Ice-cored moraines in southwestern Ellesmere Island, N.W.T., Canada; J. Glaciol., v. 10, no. 59, p. 245-254.
- St-Onge, Denis
1961: Glaciation au Pleistocene sur l'ile Ellef Ringnes (Abst.); Assoc. Canadienne-Française Av. Sc. Annales, v. 27, p. 78.
- Temple, P. G.
1965: Geology of Bathurst Island group, District of Franklin, Northwest Territories; Ph.D. thesis, Princeton University.
- Terasmae, J.
1965: Problems of Quaternary palynology in the Canadian Arctic; Intern. Assoc. Quat. Res. (INQUA), VII Intern. Geol. Congr., General Sessions, Abstracts, p. 464. Abstract *in* Geol. Surv. Can., Paper 66-4, p. 50.
- Terasmae, J., Webber, P. J. and Andrews, J. T.
1966: A study of late Quaternary plant-bearing beds in north-central Baffin Island, Canada; Arctic, v. 19, no. 4, p. 296-318. Abstract *in* Geol. Surv. Can., Paper 67-4, p. 57.
- Thorsteinsson, R.
1961: Lower Paleozoic stratigraphy of the Canadian Arctic Archipelago *in* Geology of the Arctic; Raasch, G. O., ed., University of Toronto Press, v. 2, p. 380.

Other Scientific Journals (cont'd)

Author

Thorsteinsson, R.

1966: Preliminary note on Silurian and Devonian ostracoderms from Cornwallis and Somerset Islands, Canadian Arctic Archipelago *in* Centre National de la Recherche Scientifique. Colloques Internationaux no. 163: Problèmes actuels de paléontologie (évolution des vertébrés), p. 45-47.

1969: *with* Berdan, J. M. *et al.*, Siluro-Devonian boundary in North America; Bull. Geol. Soc. Am., v. 80, p. 2165-2174.

Thorsteinsson R. and Tozer, E. T.

1957: Geological investigations in Ellesmere and Axel Heiberg Islands, 1956: Arctic, v. 10, no. 1, p. 2-31.

Tozer, E. T.

1972: Observations on the shell structure of Triassic ammonoids; Paleontology, v. 15, pt. 4, p. 637-654.

Trettin, H. P.

1963: Caledonian movements in the Canadian Arctic Archipelago; Bull. Can. Petrol. Geol., v. 11, no. 2, p. 107-115.

1965: Middle Ordovician to Middle Silurian carbonate cycle, Brodeur Peninsula, northwestern Baffin Island; Bull. Can. Petrol. Geol., v. 13, no. 1, p. 155-180. Abstract *in* Geol. Surv. Can., Paper 66-4, p. 52.

1967: Devonian of the Franklinian eugeosyncline *in* Intern. Symp. on the Devonian System, D. H. Oswald, ed., Alberta Soc. Petrol. Geologists, Calgary, Alberta, v. 1, p. 693-701. Abstract *in* Geol. Surv. Can., Paper 68-4, p. 63.

1969: A Paleozoic-Tertiary fold belt in northernmost Ellesmere Island aligned with the Lomonosov Ridge; Bull. Geol. Soc. Am., v. 80, p. 143-148. Abstract *in* Geol. Surv. Can., Paper 69-4, p. 47.

1970: Ordovician-Silurian flysch sedimentation in the axial trough of the Franklinian Geosyncline, northeastern Ellesmere Island, Arctic Canada *in* Flysch sedimentology in North America, Geol. Assoc. Can., Spec. Paper No. 7, p. 13-35. Abstract *in* Geol. Surv. Can., Paper 71-4, p. 50.

1970: Early Paleozoic evolution of northern parts of Canadian Arctic Islands (Abst.); Bull. Am. Assoc. Petrol. Geologists, v. 54, p. 2509. Also *in* Geol. Surv. Can., Paper 71-4, p. 48.

1972: The Innuitian Province (H. P. Trettin, coordinator and principal author) *in* Variations in Tectonic Styles in Canada; R. A. Price and R. J. W. Douglas, ed., Geol. Assoc. Can., Spec. Paper No. 11, p. 83-179.

1972: Franklinian Geosyncline *in* The Canadian Arctic Islands and the Mackenzie region; XXIV Intern. Geol. Congr., Montreal, Canada, Guidebook, Excursion A-66.

Other Scientific Journals (cont'd)

Author

Trettin, H. P. and Hills, L. V.

1967: Triassic "tar sands" of Melville Island, Canadian Arctic Archipelago; Proc. 7th World Petrol. Congr., Mexico City, v. 3, p. 773-787. Abstract *in* Geol. Surv. Can., Paper 68-4, p. 64.

Webber, P. J., Terasmae, J. and Andrews, J. T.

1965: A study of late Quaternary plant-bearing beds in north-central Baffin Island, Canada; Intern. Assoc. Quat. Res. (INQUA), VII Intern. Geol. Congr. Abstracts, p. 496. Abstract *in* Geol. Surv. Can., Paper 66-4, p. 52. (*See* Terasmae, Webber and Andrews, 1966.)

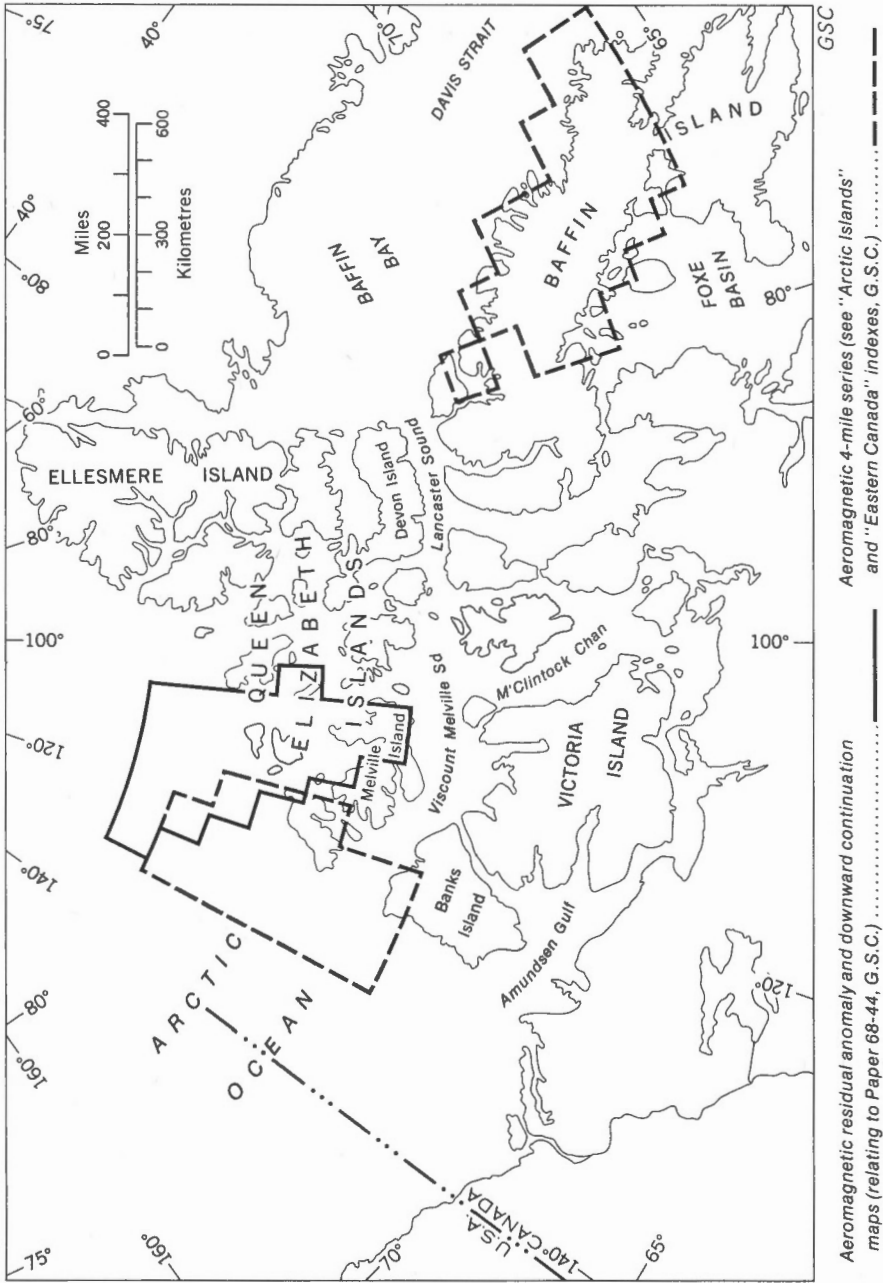
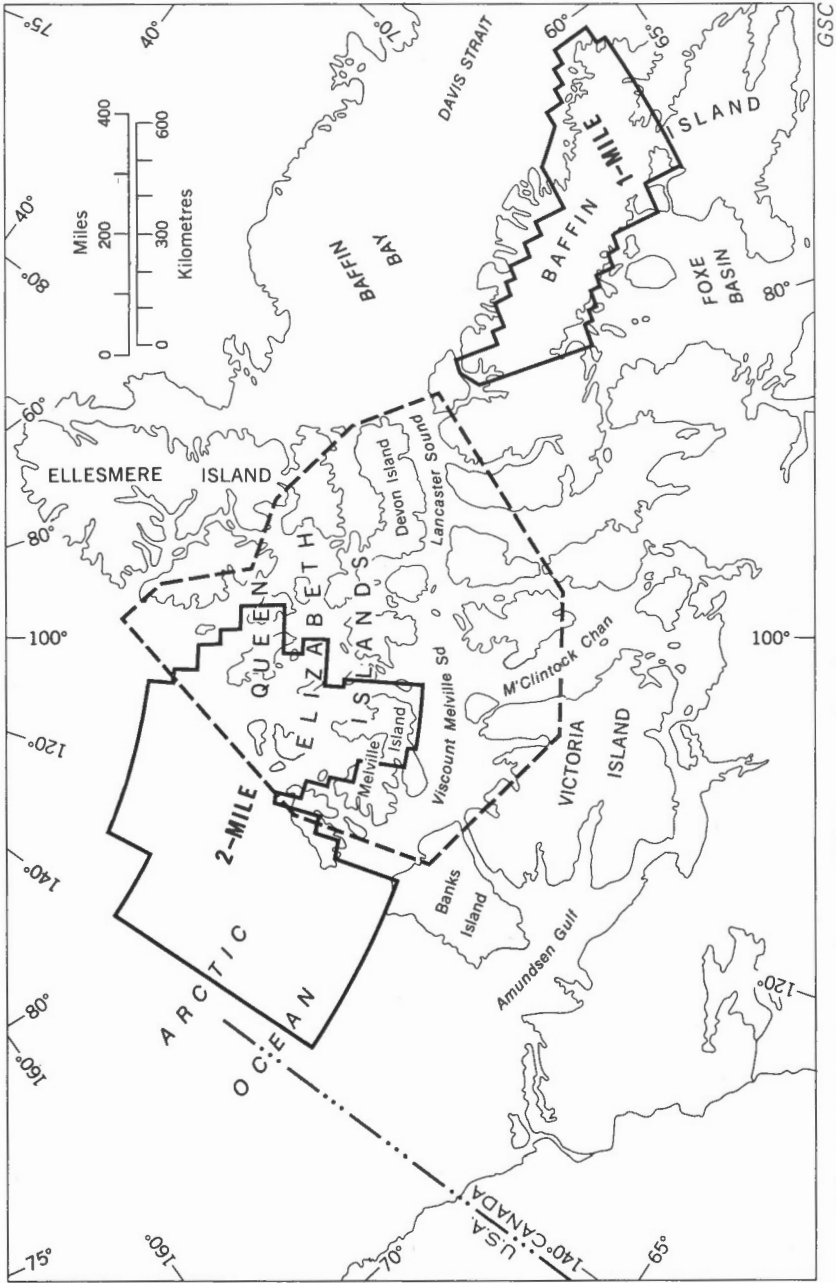


Figure 1. Geophysical profiles and map series, Arctic Islands, by the Geological Survey of Canada (Information to May, 1973)



Airborne geophysical reconnaissance, 1955 (Aeromagnetic, radiometric profiles; see G.S.C. Bulletin 73) Aeromagnetic 1-mile and 2-mile series (see indexes 12, 16, 17; G.S.C.)

Figure 2. Geophysical profiles and map series, Arctic Islands, by the Geological Survey of Canada (Information to May, 1973)