BIBLIOGRAPHY OF ALASKAN GEOLOGY 1950 - 1959

SPECIAL REPORT 23

Compiled by:
CRAWFORD E. FRITTS and MILDRED E. BROWN

Division of Geological Survey
College, Alaska
1971

STATE OF ALASKA

William A. Egan - Governor

DEPARTMENT OF NATURAL RESOURCES

Charles F. Herbert - Commissioner

DIVISION OF GEOLOGICAL SURVEY

James A. Williams - Director

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Figure 1. Quadrangles and major geographic divisions of Alaska referred to in this report iv

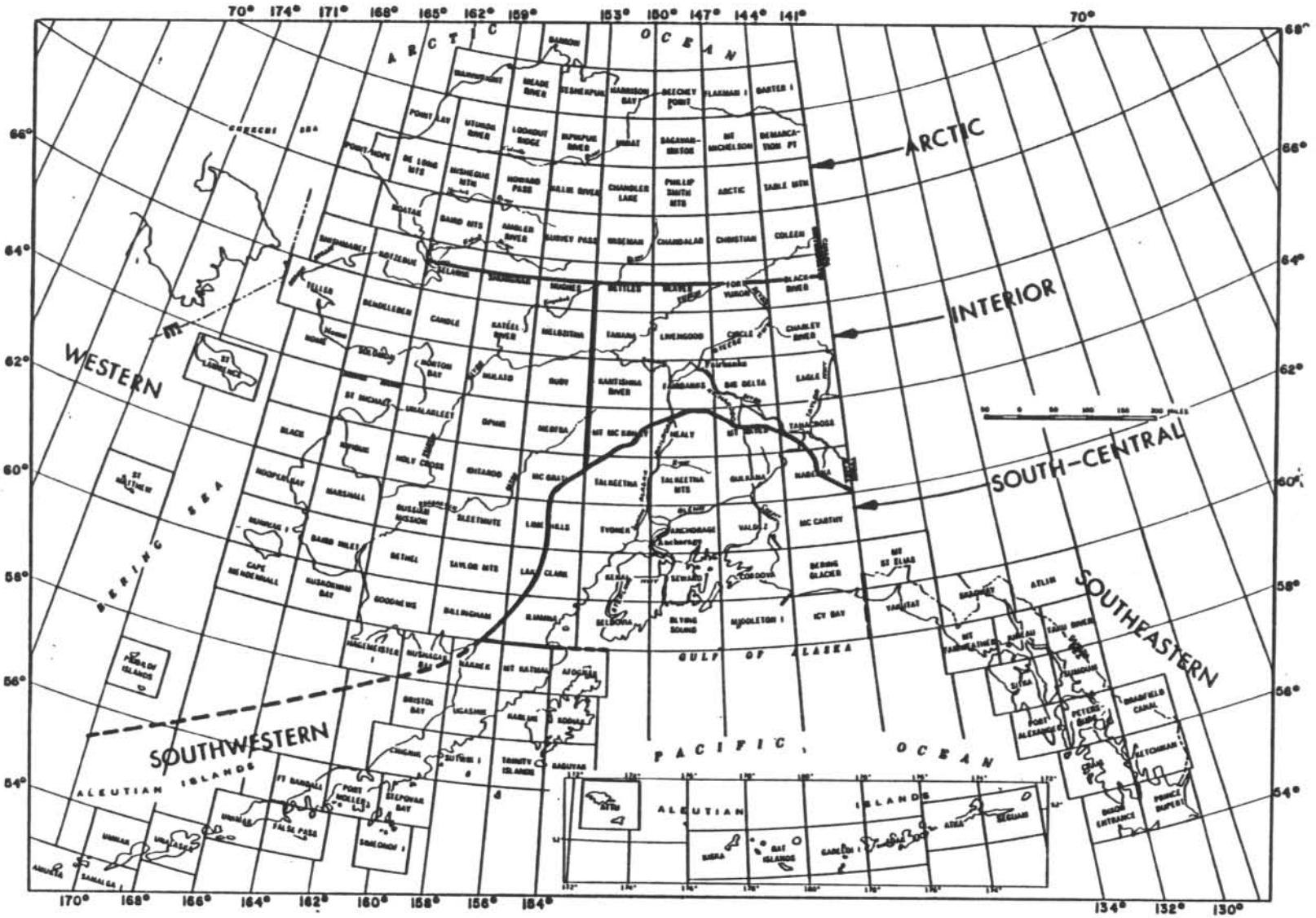

Figure 1. Quadrangles and major geographic divisions of Alaska referred to in this report

INTRODUCTION

PURPOSE, SOURCE AND FORMAT

The Bibliography of Alaskan Geology, 1950-1959, is one volume of a series designed specifically for geologists and others who seek geological literature about Alaska. All entries listed here were obtained from nine volumes of the Bibliography of North American Geology (U. S. Geological Survey Bulletins 985, 1025, 1035, 1054, 1065, 1075, 1095, 1115 and 1145). Data from that source have been modified only slightly to facilitate use of the material by the reader, as explained below. No effort was made to confirm the data by firsthand observation of each article or report. Thus information concerning corrections or additions to this volume will be appreciated.

The basic format used here is similar to that adopted by the U. S. Geological Survey. The main part of this volume consists of a bibliography in which all entries are arranged alphabetically by last names of authors or senior authors. The year of publication of each article or report has been moved to a position immediately after its author or authors to facilitate use of the index, which follows the bibliography. In the index, each reference to a given subject is listed by author and year of publication.

Under most major headings in the index, subject material and references are listed according to six arbitrary geographic divisions of the State shown in Figure 1. These divisions or units currently are used by the Alaska Geological Survey for convenience in report writing and related work. Boundaries are based on bedrock geology, topography, parallels of latitude, and meridians of longitude. The six units are as follows:

(1) Arctic Alaska, including the Brooks Range and other parts of the State north of the Arctic Circle, which is near latitude 66°32'25" N.

(2) Western Alaska, including the Seward Peninsula, Pribilof Islands, and other parts of the State south of the Arctic Circle, northwest of the Alaska Range, and west of meridian 153° W.

(3) Interior Alaska, including that part of the State south of the Arctic Circle, north of the Alaska Range, and east of meridian 153° W.

(4) Southwestern Alaska, including the Aleutian Islands, Kodiak Island, and the Alaska Peninsula south of parallel 59° N.

(5) South-central Alaska, including the Alaska Range, adjacent mountainous terrain, and intermediate lowlands north of parallel 59° N. and west of meridian 141° W.

(6) Southeastern Alaska, including all of the State east of meridian 141° W.

In using this volume, the reader may wish to consult the subject index first to find an appropriate reference cited by author and year of publication. The complete reference then can be found in the bibliography under the same author and year. Abbreviations used there are explained under the headings Serial Publications, Other Publishing Media, and Miscellaneous Abbreviations. Finally, the reader may seek the article or report in a suitable library.

SERIAL PUBLICATIONS

Alaska(n) Sci. Conf. ... Proc.
Proceedings of the Alaska(n) Science Conference. Alaska Division of the American Association for the Advancement of Science
Washington, D. C.: conferences also held at various Alaskan localities

Alberta Soc. Petroleum Geologists Jour.
Alberta Society of Petroleum Geologists Journal
Calgary, Alberta, Canada

Am. Alpine Jour.
American Alpine Journal
New York, New York

Am. Assoc. Petroleum Geologists Bull.
Bulletin of the American Association of Petroleum Geologists
Tulsa, Oklahoma

Am. Geophys. Union Trans.
Transactions of the American Geophysical Union
Washington, D. C.

Am. Jour. Botany
American Journal of Botany. Botanical Society of America
Baltimore, Maryland

Am. Jour. Sci.
American Journal of Science
New Haven, Connecticut

Am. Mineralogist
American Mineralogist
Ann Arbor, Michigan

Am. Scientist
American Scientist
New Haven, Connecticut

Am. Soc. Civil Engineers Proc.
American Society of Civil Engineers Proceedings
New York, New York

Appalachia
Appalachia. Appalachian Mountain Club
Boston, Massachusetts

Arctic
Arctic. Arctic Institute of North America
Montreal, Quebec, Canada; Washington, D. C., U. S. A.

Assoc. Internat. Hydrol. Sci. [See: Internat. Assoc. Sci. Hydrology]

Assoc. Pacific Coast Geographers Yearbook
Association of Pacific Coast Geographers Yearbook
Cheney, Washington

Bull. Volcanologique
Bulletin Volcanologique. Association de Volcanologie de l'Union Géodésique et Géophysique International
Naples, Italy

Canada Dominion Observatory Pub.
Canada Dominion Observatory Publication
Ottawa, Ontario, Canada

Canadian Alpine Jour.
Canadian Alpine Journal
Banff, Alberta, Canada

Canadian Min. Met. Bull.
Canadian Mining and Metallurgical Bulletin
Montreal, Quebec, Canada

Canadian Oil and Gas Industries
Canadian Oil and Gas Industries
Gardenvale, Quebec, Canada

Cushman Found. Foram. Research Contr.
Contributions from the Cushman Foundation for Foraminiferal Research
Ithaca, New York

Dissert. Abs.
Dissertation Abstracts. University Microfilms
Ann Arbor, Michigan

Earth Sci. Digest
Earth Science Digest
Revere, Massachusetts

Earthquake Notes
Earthquake Notes
Washington, D. C.

Ecol. Mon.
Ecological Monographs
Durham, North Carolina

Ecology
Ecology
Durham, North Carolina

Econ. Geology
Economic Geology and the Bulletin of the Society of Economic Geologists
Urbana, Illinois

Elisha Mitchell Sci. Soc. Jour.
Elisha Mitchell Science Society Journal
Chapel Hill, North Carolina

Erdkunde
Erdkunde. Archiv für Wissenschafliche Geographie. Ferd[inand] Dümmlers Verlag
Bonn, Federal Republic of Germany

Geog. Rev.
Geographical Review. American Geographical Society of New York
New York, New York

Geol. Soc. America Bull.
Geological Society of America Bulletin
New York, New York

Geol. Soc. America Mem.
Geological Society of America Memoir
New York, New York

Geol. Soc. London Quart. Jour.
Geological Society of London, Quarterly Journal
London, England

Geophys. Soc. Tulsa Proc.
Proceedings of the Geophysical Society of Tulsa
Tulsa, Oklahoma

Geophysics
Geophysics. Society of Exploration Geophysicists
Tulsa, Oklahoma

Houston Geol. Soc. Bull.
Houston Geological Society Bulletin
Houston, Texas

Internat. Assoc. Sci. Hydrology Pub.
Publication of the International Association of Scientific Hydrology.
Gentbrugge, Belgium

Internat. Geod. Geophys. Union, Assoc. Sci. Hydrology Gen. Assembly
International Geodetic and Geophysical Union, Association of Scientific Hydrology, General Assembly. Locations include Rome, Italy: Toronto, Ontario, Canada: Louvain, Belgium
Place of publication uncertain; possibly Gentbrugge or Louvain, Belgium

Internat. Geod. Geophys. Union Assoc. Sci. Hydrology, Symposium of Chamonix
International Geodetic and Geophysical Union, Association of Scientific Hydrology, Symposium of Chamonix, [France]
Place of publication uncertain; possibly Gentbrugge or Louvain, Belgium

Internat. Geol. Cong.
International Geological Congress
Washington, D. C.; México, D. F., Mexico; other locations

Iowa Acad. Sci. Proc.
Proceedings of the Iowa Academy of Science
Des Moines, Iowa

Iowa State Coll., Eng. Expt. Sta. Proj.
Iowa State College, Engineering Experiment Station Project
Ames, Iowa

Iowa State Univ. Sci. and Technology, Eng. Expt. Sta. Bull.
Iowa State University of Science and Technology, Engineering Experiment Station Bulletin
Ames, Iowa

J. I. R. P. Rept.
Juneau Ice-Field Research Project Report. American Geographical Society
New York, New York

Jour. Geology
Journal of Geology. University of Chicago Press
Chicago, Illinois

Jour. Glaciology
Journal of Glaciology. British Glaciological Society
Cambridge, England

Jour. Paleontology
Journal of Paleontology. Society of Economic Paleontologists and Mineralogists: American Association of Petroleum Geologists; and Geological Society of America
Tulsa, Oklahoma

Jour. Soil Sci.
Journal of Soil Science. Clarendon Press
Oxford, England

K. Nederlandse Akad. Wetensch. Proc.
Koninklijke Nederlandse Akademie van Wetenschappen, Proceedings
Amsterdam, Netherlands

Limnology and Oceanography
Limnology and Oceanography
Ann Arbor, Michigan

Mich. Acad. Sci. Papers
Papers of the Michigan Academy of Sciences, Arts, and Letters
Ann Arbor, Michigan

Mining Eng. or Min. Eng.
Mining Engineering. American Institute of Mining, Metallurgical and Petroleum Engineers
New York, New York

Nat. History
Natural History
New York, New York

Natl. Research Council Bull.
National Research Council [Highway Research Board] Bulletin
Washington, D. C.

Natl. Research Council, Highway Research Board Special Rept.
National Research Council, Highway Research Board.Special Report
Washington, D. C.

Nature Mag.
Nature Magazine
Washington, D. C.

Nature (London)
Nature. A weekly Journal of Science. Macmillan (Journals) Limited
London, England

N. C. Acad. Sci. Proc. in Elisha Mitchell Sci. Soc. Jour.
North Carolina Academy of Science Proceedings in Elisha Mitchell Science Society Journal
Chapel Hill, North Carolina

N. Y. Acad. Sci. Trans.
New York Academy of Science Transactions
New York, New York

Ohio Jour. Sci.
Ohio Journal of Science
Columbus, Ohio

Oil and Gas Jour.
Oil and Gas Journal. Petroleum Publishing Company
Tulsa, Oklahoma

Oreg. State Coll. ... Ann. Biology Colloquium
Oregon State College Annual Biology Colloquium
Corvallis, Oregon

Pa. State Coll. Div. Mineral Economics
Pennsylvania State College, Division of Mineral Economics
State College, Pennsylvania

Pacific Discovery
Pacific Discovery
San Francisco, California

Pacific Sci. Cong.
Pacific Science Congress
Honolulu, Hawaii: Wellington, New Zealand; or other location

Photogrammetric Eng.
Photogrammetric Engineering
Washington, D. C.

Pop. Astronomy
Popular Astronomy
Northfield, Minnesota

Purdue Univ. Eng. Ext. Ser. ... Proc.
Purdue University, Engineering Extension Series, Proceedings
Lafayette, Indiana

Raw Materials Survey Res. Rept.
Raw Materials Survey Resources Report
Portland, Oregon

Rocks and Minerals
Rocks and Minerals
Peekskill, New York

Royal Soc. Canada Minutes Proc.
Royal Society of Canada Minutes of Proceedings
Ottawa, Ontario, Canada

Science
Science. American Association for the Advancement of Science
Washington, D. C.

Seismol. Soc. America Bull.
Bulletin of the Seismological Society of America
San Francisco, California

Smithsonian Misc. Coll.
Smithsonian [Institution] Miscellaneous Collections
Washington, D. C.

U. S. Bur. Mines Bull.
United States Bureau of Mines Bulletin
Washington, D. C.

U. S. Bur. Mines Inf. Circ.
United States Bureau of Mines Information Circular
Washington, D. C.

U. S. Bur. Mines, Materials Survey
United States Bureau of Mines, Materials Survey
Washington, D. C.

U. S. Bur. Mines Rept. Inv.
United States Bureau of Mines Report of Investigations
Washington, D. C.

U. S. Bur. Reclamation
United States Bureau of Reclamation
Denver, Colorado

U. S. Coast and Geodetic Survey
United States Coast and Geodetic Survey
Washington, D. C.

U. S. Geol. Survey Bull.
United States Geological Survey Bulletin
Washington, D. C.

U. S. Geol. Survey Circ.
United States Geological Survey Circular
Washington, D. C.

U. S. Geol. Survey Geol. Quad. Map
United States Geological Survey Geologic Quadrangle Map
Washington, D. C.

U. S. Geol. Survey Geophys. Inv. Map
United States Geological Survey Geophysical Investigations Map
Washington, D. C.

U. S. Geol. Survey Misc. Geol. Inv. Map
United States Geological Survey Miscellaneous Geologic Investigations Map
Washington, D. C.

U. S. Geol. Survey Oil and Gas Inv. Map
United States Geological Survey Oil and Gas Investigations Map
Washington, D. C.

U. S. Geol. Survey Prof. Paper
United States Geological Survey Professional Paper
Washington, D. C.

U. S. Natl. Mus. Bull.
United States National Museum Bulletin
Washington, D. C.

Utah Acad. Sci. Proc.
Proceedings of the Utah Academy of Sciences, Arts, and Letters
Salt Lake City, Utah

Washington Acad. Sci. Jour.
Washington Academy of Sciences Journal
Washington, D. C.

OTHER PUBLISHING MEDIA

Alaska Univ. School Mines Pub., Bull.
University of Alaska, School of Mines Publication, Bulletin
College, Alaska

Arctic Inst. North America Special Pub.
Arctic Institute of North America Special Publication
Washington, D. C.; Montreal, Quebec, Canada

Harvard Univ. Gray Herbarium Contr.
Harvard University Gray Herbarium Contribution
Cambridge, Massachusetts

Internat. Conf. Peaceful Uses Atomic Energy
International Conference on Peaceful Uses of Atomic Energy
Geneva, Switzerland

Oil Frontiers Pub. Co.
Oil Frontiers Publishing Company
Austin, Texas

Stanford Research Institute
Stanford Research Institute
Stanford, California

U. S. Army Corps of Engineers, Inv. Mil. Construction in Arctic and Subarctic Regions
United States Army Corps of Engineers, Investigations of Military Construction in Arctic and Subarctic Regions
Location uncertain

U. S. Dept. Defense
United States Department of Defense
Washington, D. C.

U. S. Geol. Survey, Military Geology Branch
United States Geological Survey, Military Geology Branch
Washington, D. C.

U. S. Government Printing Office
United States Government Printing Office
Washington, D. C.

U. S. Natl. Park Service
United States National Park Service
Washington, D. C.

U. S. Office Chief Naval Operations Polar Proj.
United States Office of Chief of Naval Operations Polar Projects
Washington, D. C.

U. S. Office Naval Research
United States Office of Naval Research
Washington, D. C.

U. S. Research and Devel. Board
United States Research and Development Board
Washington, D. C.

Univ. Alaska
University of Alaska
College, Alaska

Univ. Calif. Press
University of California Press
Berkeley, California

Univ. Phillippines
University of the Phillippines
Quezon, Phillippine Islands

MISCELLANEOUS ABBREVIATIONS

ads.	=	advertisements
chap.	=	chapter
comm.	=	committee
ed.	=	edition or editor
gen.	=	general
geol.	=	geological
illus.	=	illustration(s)
in.	=	inch
incl.	=	includes or including
mi.	=	mile(s)
no(s).	=	number(s)
p.	=	page(s)
pt.	=	part
pub.	=	publication
ser.	=	series
v.	=	volume(s)

Introductory page numbers:
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Sept.
Oct.
Nov.
Dec.

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Andreasen, G. E.; Zietz, Isidore; Grantz, Arthur, 1958b, An aeromagnetic study of the Copper River basin, Alaska [abs.]: Geophys. Soc. Tulsa Proc. 1957-58, v. 5, p. 57-58: Am. Assoc. Petroleum Geologists Bull., v. 42, no. 1, p. 219, Jan.

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Arctic Institute of North America (Tremaine, Marie, editor), 1954, Arctic bibliography, v. 4: Washington, D. C., [U. S.] Dept. Defense, x, 1591 p., illus.

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Barnes, F. F., 1957, Alaskan coal investigations by the U. S. Geological Survey [abs.]: Alaskan Sci. Conf., 5th, 1954, Proc., p. 49, Nov.

Barnes, F. F.; Cobb, E. H., 1959, Geology and coal resources of the Homer district, Kenai coal field, Alaska: U. S. Geol. Survey Bull. 1058-F, p. iv, 217-260, illus., incl. geol. map in separate folder

Barnes, F. F.; Ford, D. M., 1952, Coal prospects and coal exploration and development in the lower Matanuska Valley, Alaska, in 1950: U. S. Geol. Survey Circ. 154, 5 p., illus.

Barnes, F. F.; Payne, T. G., 1956, The Wishbone Hill district, Matanuska coal field, Alaska: U. S. Geol. Survey Bull. 1016, vi, 88 p., illus., incl. geol. maps

Barnes, F. F.; Sokol, Daniel, 1959, Geology and coal resources of the Little Susitna district, Matanuska coal field, Alaska: U. S. Geol. Survey Bull. 1058-D, p. iii, 121-138, illus., incl. geol. map

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Berg, H. C.; MacKevett, E. M., Jr., 1959, Structural control of quicksilver ore at the Red Devil mine, Alaska [abs.]: Geol. Soc. America Bull., v. 70, no. 12, pt. 2, p. 1708, Dec.

Bergquist, H. R., 1956, Microfossil zones in Cretaceous rocks of northern Alaska [abs.]: Geol. Soc. America Bull., v. 67, no. 12, pt. 2, p. 1670, Dec.

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Black, R. F., 1951b, Graphs for visual comparison of several factors in heat exchange near Barrow, Alaska [abs.]: Geol. Soc. America Bull., v. 62, no. 12, pt. 2, p. 1546-1547, Dec.

Black, R. F., 1951c, Some techniques and equipment for the study of ground ice and permafrost [abs.]: Am. Geophys. Union [Trans., v. 32], p. 330-331

Black, R. F., 1951d, Structures in ice wedges of northern Alaska [abs.]: Geol. Soc. America Bull., v. 62, no. 12, pt. 2, p. 1423-1424, Dec.

Black, R. F., 1952a, Growth of ice-wedge polygons in permafrost near Barrow, [abs.]: Geol. Soc. America Bull., v. 63, no. 12, pt. 2, p. 1235-1236, Dec.

Black, R. F., 1952b, Structures in ice wedges of northern Alaska [abs.]: Am. Mineralogist, v. 37, nos. 3-4, p. 285-286, Mar.-Apr.

Black, R. F., 1956, Permafrost and water supply of Point Spencer spit, Seward Peninsula, Alaska [abs.]: Geol. Soc. America Bull., v. 67, no. 12, pt. 2, p. 1672, Dec.

Black, R. F., 1957a, Gubic [Gubik] Formation of Quaternary age in northern Alaska [abs.]: Geol. Soc. America Bull., v. 68, no. 12, pt. 2, p. 1701, Dec.

Black, R. F., 1957b, Some problems in engineering geology caused by permafrost in the Arctic Coastal Plain, northern Alaska: Arctic, v. 10, no. 4, p. 230-240, illus.

Black, R. F., 1958, Permafrost, water-supply, and engineering geology of Point Spencer spit, Seward Peninsula, Alaska: Arctic, v. 11, no. 2, p. 102-116, illus.

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Brewer, M. C., 1955b, Preliminary interpretations of ice, water and bottom temperature data in the Arctic Ocean near Barrow, Alaska [abs.]: Am. Geophys. Union Trans., v. 36, no. 3, p. 503, June

Brewer, M. C., 1958, Some results of geothermal investigations of permafrost in northern Alaska: Am. Geophys. Union Trans., v. 39, no. 1, p. 19-26, illus., Feb.

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