BIBLIOGRAPHY
OF ALASKAN GEOLOGY
1919 - 1949

SPECIAL REPORT 22

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

State of Alaska
Department of Natural Resources
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

William C. Fackler - Assistant Commissioner for Minerals

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College, Alaska

1971
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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, 1919-1949, 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 three volumes of the Bibliography of North American Geology (U. S. Geological Survey Bulletins 823, 937 and 1049). 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 first-hand 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

[Polish Academy of Sciences and Letters, International Bulletin]
Kraków, Poland

Acad. Sci. Fennicae Annales
Academia Scientiarum Fennicae Annales. Suomalainen tiedekatemia.
[Finnish Academy of Science Annals. Finish Academy of Science(s) and Letters]
Helsinki, Finland

Territory of Alaska, Department of Mines Pamphlet
Juneau, Alaska

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

Am. Antiquity
American Antiquity. Society for American Archeology
Washington, D. C.

Bulletin of the American Association of Petroleum Geologists
Tulsa, Oklahoma

Transactions of the American Geophysical Union
Washington, D. C.

American Institute of Mining and Metallurgical Engineers, Bulletin
American Institute of Mining and Metallurgical Engineers; predecessor
of American Institute of Mining, Metallurgical and Petroleum Engineers
New York, New York

American Institute of Mining and Metallurgical Engineers, Technical Publication
New York, New York

American Institute of Mining and Metallurgical Engineers, Transactions
New York, New York

Am. Jour. Botany
American Journal of Botany
Lancaster, Pennsylvania

American Journal of Science (series number dropped in 1939 with publication
of volume 237)
New Haven, Connecticut
Am. Mineralogist
American Mineralogist. Mineralogical Society of America
Lancaster, Pennsylvania, or Menasha, Wisconsin; later Ann Arbor, Michigan, or Washington, D. C.

American Museum of Natural History, Bulletin
New York, New York

Am. Museum Novitates
American Museum Novitates. American Museum of Natural History
New York, New York

American Philosophical Society, Proceedings
Philadelphia, Pennsylvania

Appalachia
Appalachia. Appalachian Mountain Club
Boston, Massachusetts, or Brattleboro, Vermont

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

Arctica
Arctica (Superseded by Problemy Arktiki)
Leningrad, Russia

Assoc. Am. Geographers Annals
Annals of the Association of American Geographers
Albany, New York, or Lancaster, Pennsylvania; later Washington, D. C.

Association Internationale Hydrologie Scientifique, Réunion, Washington...Comptes
Rendus tome_. [International Association of Scientific Hydrology, Washington
(D.C.) Meeting...Proceedings, volume_, Glacier Commission or Committee]
Location of publisher uncertain

Black Hills Engineer
Black Hills Engineer
Rapid City, South Dakota

Bull. Am. Paleontology
Bulletins of American Paleontology. Paleontology Research Institution
Ithica, New York

Canada Geol. Survey Mem.
Canada, Geological Survey, Memoir (Geological Survey of Canada Memoir)
Ottawa, Ontario, Canada

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

Washington, D. C.
Compass
{The} Compass of Sigma Gamma Epsilon
Menasha, Wisconsin, or Lincoln, Nebraska; later Provo, Utah

Cushman Lab. Foram. Research Contr.
Contributions from the Cushman Laboratory for Foraminiferal Research. Predecessor of Cushman Foundation for Foraminiferal Research
Sharon, Massachusetts; later Ithica, New York

Berlin, Germany

Earth Sci. Digest
Earth Science Digest
Revere, Massachusetts

Ecol. Monographs
Ecological Monographs. Ecological Society of America
Durham, North Carolina

Ecology
Ecology. Ecological Society of America
Brooklyn or New York, New York

Econ. Geology
Lancaster, Pennsylvania; later Urbana, Illinois, or Blacksburg, Virginia

Eng. Mining Jour. (-Press)
Engineering and Mining Journal (-Press)
New York, New York

Geog. Jour.
Geographical Journal
London, England

Geog. Rev.
New York, New York

Bulletin of the Geographical Society of Philadelphia
Philadelphia, Pennsylvania

Geol. Soc. America Bull.
Geological Society of America Bulletin
New York, New York; later Boulder, Colorado

Geological Society of America Proceedings
New York, New York; later Boulder, Colorado
Geol. Soc. America Spec. Paper  
Geological Society of America Special Paper  
New York, New York; later Boulder, Colorado

Georgia Academy of Science Bulletin  
Atlanta, Georgia

Illinois Acad. Sci., Trans.  
Illinois Academy of Science, Transactions  
Springfield, Illinois

Internat. Assoc. Sci. Hydrology  
International Association of Scientific Hydrology. Formerly Section of  
Scientific Hydrology, International Union of Geodesy and Geophysics  
Gentbrugge, Belgium

Internat. Geol. Cong.  
International Geological Congress  
Various locations

Isostatic Institute of Helsingfors [Helsinki, Finland], International Association  
of Geodesy. International Union of Geodesy and Geophysics  
London, England

Japanese Jour. Geology and Geography  
Japanese Journal of Geology and Geography  
Tokyo, Japan

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

Jour. Geography  
Journal of Geography  
Menasha, Wisconsin, or elsewhere; later Chicago, Illinois

Jour. Geology  
Chicago, Illinois

Jour. Geomorphology  
Journal of Geomorphology  
New York, New York

Jour. Paleontology  
Journal of Paleontology  
Chicago, Illinois, or Menasha, Wisconsin

Jour. Sed. Petrology  
Journal of Sedimentary Petrology. Society of Economic Paleontologists and  
Mineralogists  
Menasha, Wisconsin; later Tulsa, Oklahoma
Koninklijke Akademie van Wetenschappen, Proceedings. [Royal Academy of Sciences, Proceedings]
Amsterdam, Netherlands

Lehigh University Publications Annual Abstract
Bethlehem, Pennsylvania

Meteoritical Society Contributions
Los Angeles, California

Mil. Engineer
The Military Engineer
Washington, D. C.

Mineralogist
The Mineralogist
Portland, Oregon

Mining Metall.
Mining and Metallurgy. American Institute of Mining and Metallurgical Engineers
New York, New York

Mining Sci. Press
Mining and Scientific Press
San Francisco, California

Nat. History
Natural History. The Journal of the American Museum of Natural History
New York, New York

Natl. Geog. Mag.
National Geographic Magazine. National Geographic Society
Washington, D. C.

National Geographic Society, Contributed Technical Papers, Katmai Series
Washington, D. C.

Natl. Research Council Bull.
National Research Council Bulletin
Washington, D. C.

National Research Council, Division of Geology and Geography, Annual Report
Washington, D. C.

Nature
London, England
Nautilus
The Nautilus. The Pilsbry quarterly devoted to the interests of conchologists.
American Malacological Union
Philadelphia, Pennsylvania; later Boston, Massachusetts, or Havertown,
Pennsylvania

Transactions of the New York Academy of Sciences
New York, New York

Northwest Science
Northwest Science. Northwest Scientific Association
Cheney, Washington

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

Oil and Gas Jour.
Oil and Gas Journal. The oil investor's journal
Tulsa, Oklahoma, or St. Louis, Missouri

Oil Weekly
Oil Weekly (Absorbed by World Oil in 1947)
Houston, Texas

Pacific Mining News
Pacific Mining News, of the Engineering and Mining Journal-Press
San Francisco, California

Pan-Am. Geologist
Pan-American Geologist (Assumed the numbering system of American Geologist,
which was absorbed by Economic Geology in 1906)
Des Moines, Iowa

Pan-Pacific Science Conference, First, Proceedings, Bernice P. Bishop Museum,
Special Publication (Later Pacific Scientific Congress)
Location uncertain

Pan-Pacific Sci. Cong.
Pan-Pacific Science Congress (See Pacific Scientific Congress)
Australia

Pacific Scientific Congress, Proceedings
Honolulu, Hawaii; Wellington, New Zealand; or other location

Photogrammetric Eng.
Photogrammetric Engineering. American Society of Photogrammetry
Washington, D. C.

Przegląd Geograficzny
Polish Geographical Society]
Warsaw, Poland
Pop. Astronomy
   Popular Astronomy
   Northfield, Minnesota

Rocks and Minerals
   Rocks and Minerals
   Peekskill, New York

   Royal Society of Canada, Proceedings
   Ottawa, Ontario, Canada

Royal Soc. Canada Trans.
   Royal Society of Canada, Transactions
   Ottawa, Ontario, Canada

Science
   Science
   New York, New York, or Lancaster, Pennsylvania; later Washington, D. C.

Sci. Monthly
   Scientific Monthly
   New York, New York

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

   Annual Report of the Board of Regents of the Smithsonian Institution
   Washington, D. C.

Smithsonian Inst. Explor. and Field Work 1936, Pub._
   Smithsonian Institution Exploration and Field Work 1936, Publication_
   Washington, D. C.

Soc. Géol. France Compte Rendu
   Société Géologique de France, Compte Rendu [Geological Society of France,
   Report or Report of Proceedings]
   Paris, France

   Soil Science Society of America, Proceedings
   Ann Arbor, Michigan, or Danville, Illinois

   Torrey Botanical Club Bulletin
   Lancaster, Pennsylvania, or Menasha, Wisconsin, or New York, New York

Tulsa Geol. Soc. Digest
   Tulsa Geological Society Digest
   Tulsa, Oklahoma

   University of California, Department of Geological Sciences, Bulletin
   Berkeley, California
Virginia Academy of Sciences Proceedings
Charlottesville, Virginia

Volcano Letter
The Volcano Letter
Hawaii National Park or Honolulu, Hawaii

Journal of the Washington Academy of Science
Washington, D. C.

Washington Univ. Studies,...Sci. and Technology
Washington University Studies,...Science and Technology
St. Louis, Missouri

Western Miner
Western Miner
Vancouver, British Columbia

Zeitschr. Vulkanologie, Band_, Heft_
Zeitschrift für Volkanologie, Band_, Heft_ [Journal of Volcanology, volume_,
number_]
Berlin, Germany
OTHER PUBLISHING MEDIA

Alaska Planning Council
Alaska Planning Council
Location uncertain

Alaska Univ. Pub.
University of Alaska Publication
College, Alaska

Bibliothèque Géographique, Payot, Paris
Paris, France

Christopher Publishing House, Boston
Christopher Publishing House
Boston, Massachusetts

Edward Bros., Wichita, Kansas
Edward Brothers
Wichita, Kansas

Festschrift Victor Goldschmidt
Festschrift Victor Goldschmidt. Carl Winters Universitätshbuchhandlung
[Festive Publication Honoring Victor Goldschmidt. Carl Winters, University Publishing Company]
Heidelberg, Germany

International Conference on Soil Mechanics and Foundation Engineering
Location uncertain

J. B. Lippincott Co.
J. B. Lippincott Company
Philadelphia, Pennsylvania; New York, New York

John Day Co., N. Y.
John Day Company
New York, New York

Paradise of the Pacific, Ltd.
Paradise of the Pacific, Limited
Honolulu, Hawaii

Primer Congresso Panamericano de Ingeniería de Minas y Geología Anales
Primer Congresso Panamericano de Ingeniería de Minas y Geología Anales, tomo_, Geología [First Pan-American Congress of Mining Engineering and Geology, Annals, volume_, Geology]
Location uncertain

Princeton Univ. Press
Princeton University Press
Princeton, New Jersey
Stanford Research Institute
Stanford, California

U. S. Congress
United States Congress
Washington, D. C.

United States Natural Resources Commission
Washington, D. C.

War Dept., Corps of Engineers, U. S. Army
War Department, Corps of Engineers, United States Army
Washington, D. C.

W. W. Norton and Co.
W. W. Norton and Company
New York, New York
MISCELLANEOUS ABBREVIATIONS

abs. - abstract(s)  
adv. - advertisement(s)  
Ann. - Annual  
App. - Appendix  
approx. - approximately  
art. - article  
Comm. - Committee or Commission  
Div. - Division  
ed. - editor or edition  
fig(s). - figure(s)  
geog. - geography or geographic  
geol. - geology or geologic  
illus. - illustration(s)  
incl. - include(s) or including  
Internat. - International  
Jr. - Junior  
Mtg. - Meeting  
no(s). - number(s)  
p. - page(s)  
physiol. - physiologic  
pi(s). - plate(s)  
pt. - part  
Pub. - Publication  
recon. - reconnaissance  
Rept. - Report  
sci. - science or scientific  
sec. - section  
ser. - series  
Sess. - Session  
Supp. - Supplement(s)  
topog. - topographic  
v. - volume  

Introductory page numbers - i, ii, iii, iv, v, vi, vii, viii, ix, x ... etcetera

Months
Jan.
Feb.
Mar.
Apr.
May
June
July
Aug.
Sept.
Oct.
Nov.
Dec.

Ordinal numbers
1st - first
2nd - second
3rd - third
4th - fourth
etcetera
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Bateman, A. M., 1932, Notes on a Kennecott type of copper deposit, Glacier Creek, Alaska: Econ. Geology, v. 27, no. 3, p. 297-306, 1 fig., May


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Brooks, A. H.; others, 1921, Mineral resources of Alaska; report on progress of investigations in 1919: U. S. Geol. Survey Bull. 714, 244 p., maps; includes administrative report by Brooks and Martin, p. 97-103, and report on mining industry by Brooks, p. 59-95


Brooks, A. H.; others, 1924, Mineral resources of Alaska; report on progress of investigations in 1922: U. S. Geol. Survey Bull. 755, 222 p., maps; includes administrative report by Brooks and Martin, p. 51-56, and report on mining industry by Brooks and Capps, p. 3-49

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Carroll, D. L., 1944, Northern Alaska good prospecting [for oil]: Oil Weekly, v. 114, no. 8, p. 66-67, illus., incl. geol. sketch map, July


Chaney, R. W., 1937b, Notes on the finding of mammals and plants in frozen Pleistocene deposits near Fairbanks, Alaska [abs.]: Geol. Soc. America Proc. 1936, p. 399, June


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Kerr, F. A., 1936b, Quaternary glaciation in the Coast Range, northern British Columbia and Alaska: Jour. Geology, v. 44, no. 6, p. 681-700, 7 figs., incl. index map, Aug.-Sept.

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Mertie, J. B., Jr., 1937a, Glacial features of the Nushagak district, Alaska [abs.]: Washington Acad. Sci. Jour., v. 27, no. 5, p. 222-223, May


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Moffit, F. H., 1938a, Geology of the Chitina valley and adjacent area, Alaska: U. S. Geol. Survey Bull. 894, iv, 137 p., 1 fig. (index map), 16 pls. incl. topog. and geol. maps

Moffit, F. H., 1938b, Geology of the Slana-Tok district, Alaska: U. S. Geol. Survey Bull. 904, iv, 54 p., 4 figs. incl. index map, 4 pls. incl. geol. map

Moffit, F. H., 1941, Geology of the upper Tetling River district, Alaska: U. S. Geol. Survey Bull. 917-B, p. iv, 115-117, illus., incl. index and geol. maps


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Baranof Island, Snipe Bay, nickel-copper deposit: Reed and Gates (1942)
Chichagof Island, west coast, nickel-copper deposits: Overbeck (1919a); Pacora (1942)
Princ of Wales Island
Kasaan Peninsula, Salt Chuck mine, palladium-copper: Holt and others (1948); Mertie (1920)
Khayyam and Stumbelon properties, copper-sulfur: Fosse (1946)
Yakobi Island, Bohemia Basin, nickel-copper deposits, magnetic exploration: Walton and Kennedy (1945)

General
Chichagof, Kuiu and Prince of Wales Islands: Twenhofel, Reed and Gates (1949)
Chichagof mining district: Reed (1939b); Reed and Coats (1942)
Mineral deposits - Continued

General - Continued

Geology and mineral deposits: Buddington and Chapin (1929)
Geology and mineralogy: Shaw (1946b)
Glacier Bay and vicinity, mineral deposits: Reed (1938)
Hyder area or district: Buddington (1929); Jewell (1927)
Juneau and Ketchikan districts, lode mining, gold, silver, copper, lead:
Mertie (1921a)
Ketchikan district, mining developments: Chapin (1919b)
Magmatic sulfide ore, Chichagof Island: Kerr (1924)
Mineral investigations: Buddington (1925, 1926a)
Mineralization, variation of types, relation to Coast Range intrusive rocks: Buddington (1927c)
Portland Canal region, Salmon River district: Westgate (1921)
Salmon River area: Buddington (1927d)
Salmon-Unuk River region: Mertie (1921b)
Ultrabasic rocks, associated mineral deposits: Kennedy and Walton (1946a)
Wrangell district: Buddington (1922)

Gold
Alaska Juneau mine
Geology of the ore zones: Wernecke (1932)
Ore reserves, mining methods: Bradley (1924)
Chichagof Island, west coast: Overbeck (1919a)
Cleveland Peninsula: Shaw (1946a)
Juneau and Ketchikan districts: Mertie (1921a)
Porcupine district, placers: Rakin (1919)

Iron, Prince of Wales Island
Jumbo Basin, exploration: Wright and Fosse (1946)
Kasaan Peninsula, including Toletoi Mountain, Poor Man, and Mount Andrew deposits: Anonymous (1942); Erickson (1948); Holt and Sanford (1946); Warner and Goddard (1946); Wright and Tolonen (1947)

Molybdenite
General: Twenhofel, Robinson and Gault (1946)
Prince of Wales (or Kosciusko) Island, Shakan Bay deposit, Alaska Treadwell Mining Company: Buddington (1930); Hess (1924); Mertie (1921a)
Robinson (1943)
Wrangell district, Groundhog Basin: Gault (1947)

Nickel
Admiralty Island, Funter Bay deposit, nickel-copper-cobalt: Holt and Moss (1946); Reed (1942)
Baranof Island, Snipe Bay, nickel-copper deposit: Reed and Gereas (1942)
Yakobi, Chichagof and Baranof Islands: Kennedy and Walton (1945b)
Yakobi Island
Bohemia Basin and vicinity, nickel-copper deposits: Reed and Dorr (1942)
Walton and Kennedy (1945)

Sitka mining district, nickel deposit: East and others (1948)

Palladium
Identification, contact-print technique: Gault and Dellwig (1948)
Prince of Wales Island, Salt Chuck palladium-copper mine: Campbell (1919); Mertie (1920)

Tungsten
Hyder district, Mountain View deposit, exploration: Erickson (1946)
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Mineral deposits - Continued
Zinc
Wrangell district, Groundhog Basin: Gault (1944)
Mineral deposits or resources, non-metallic
Gypsum, Iyouken Cove, Chichagof Island: Stewart (1931)
Limestone, high-calcium: Roehm (1946)
Marble: Burchard (1920)
Paligorskite, Lemesurier Island, possible asbestos substitute: Fisher, Thorne and Van Cott (1945)

Southwestern Alaska
Mineral deposits
Gold
Kodiak Island, west coast, beach placers: Maddren (1919b)
Sulfur
Unalaska Island, Akun Island, and Stepovak Bay region: Maddren (1919a)
Zinc
Sedanka Island, exploration: Webber, Moss and Rutledge (1946)

Petroleum and natural gas
Alaska Peninsula
Chignik region, possibilities: Martin (1925)
Cold Bay field or district: Martin (1921b); Palmer (1922); Smith, W. R. (1926)
Wide Bay anticline, southwestern part, possibilities: Kellum, Daviess and Swinney (1945)
General possibilities, exploration and evaluation: Kellum (1947)

Western Alaska
General
Kaiyuh Hills: Mertie (1937c)
Northwestern Alaska
Mineral deposits other than gold: Anderson (1944)
Mining: Cathcart (1920)
Ruby-Kuskokwim region: Mertie and Harrington (1924)
Seward Peninsula
Mining: Harrington (1921b)
Regional economic survey: Alaska Planning Council (1940)
Southern, metalliferous lodes: Cathcart (1922)
Yukon and Kuskokwim regions, metalliferous deposits: Mertie (1922)

Mineral deposits
Copper
Seward Peninsula, Ward deposit: Wright (1947)
General
Ruby-Kuskokwim region: Mertie (1936)
Seward Peninsula: Alaska Planning Council (1940)
Gold
Anvik-Andreafski region, including Marshall district: Harrington (1918)
Kivalik-Koyuk region, gold and platinum placers: Harrington (1919b)
Kuskokwim region, upper, including Nixon Fork district, lode gold: Martin (1921a)
Ruby-Kuskokwim region: Mertie and Harrington (1924)
Seward Peninsula
Mining: Harrington (1921b)
Region: Alaska Planning Council (1940)
Tolstoi district, gold and platinum placers: Harrington (1919c)
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Western Alaska - Continued
Mineral deposits - Continued
Graphite
Seward Peninsula, mining: Harrington (1919a)
Mercury
Kuskokwim region, Bethel district, Rainy Creek prospect: Rutledge (1948a)
"Southwestern" Alaska: Cady, Wallace and Webber (1944); Webber and others (1947)
Platinum
Goodnews Bay district, placers: Mertie (1937b, 1939b, 1940b)
Kivalik-Koyuk region, gold and platinum: Harrington (1919b)
Tolstoi district, gold and platinum: Harrington (1919c)
Silver-lead
Ruby district, prospects: Brown (1926a)
Seward Peninsula, Fairhaven district: Levensaler (1921)
Tin
Ruby district: Chapin (1919f)
Seward Peninsula
Cape Mountain lode deposits: Heide, Wright and Sanford (1946)
Lost River district: Anonymous (1945a, 1945f); Fearing (1920); Heide (1946)
Mining: Harrington (1919d)
York deposits: Steidtmann and Cathcart (1922)
Mineral resources
Goodnews Bay region: Harrington (1921a)

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Alaska Highway, progress report: Howell (1944)
Permafrost
Challenge to engineers: Barnes (1946)
Research area: Jaillite (1947)

GENERAL SUBJECTS
Arctic Alaska
Aerial photographs, interpretation: Wengord (1947)
Geologic investigations
Northern Alaska: Smith (1927a)
Northwestern Alaska: Smith (1929b); Smith, Mertie and Foran (1926)
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Aerial photography: Smith (1935)
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Artifacts, Alaska Highway route: Johnson (1946)
Early man, Quaternary: Hibben (1943); MacCurdy (1937)
Mima Mounds, glacial origin: Pávé (1948a)
Paleo-Indians: Hibben (1941)
Fields for future studies: Smith (1926a)
Geological survey: Brooks (1921d); Reed (1949a, 1949b); Smith (1933d, 1935, 1940a)
Lexicon of geologic names: Wilmarth (1938)
Microthermal studies, petroleum-bearing rocks: Stadnichenko (1929)
GENERAL SUBJECTS – Continued

General Alaska – Continued

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Dunbar area, investigations, preliminary report: Pévé (1949)
Fairbanks area, investigations, preliminary report: Pévé (1948b)
Frozen ground, origin and history: Taber (1936, 1943)
Ground-ice mounds in tundra: Sharp (1942)
Permafrost in Alaska: Wallace (1947)
Research area: Jaillite (1947)
Yukon River valley, lower, relation to geomorphology: Pévé (1947)
Polar wandering and glaciation: Richarz (1922)
Tree and névé lines, Canadian and Alaskan Cordillera: Romer (1929b)

Interior Alaska
Fairbanks area, people and environment: Wilkerson (1933)

Western Alaska
Connection of Siberia and northwestern Alaska, geographic and geologic evidence: Smith (1933a)
Relations between northwestern America and northeastern Asia: Smith (1937a)

GEOMORPHOLOGY [OR PHYSIOGRAPHY]

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Coastal plain, aerial photo interpretation: Cabot (1947)
Koyukuk valley, northern, reconnaissance: Marshall (1934)
Oriented lakes, origin: Black and Barksdale (1949)
Porcupine valley, reconnaissance: Fitzgerald (1944)

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Ancient marine beaches or shorelines: Bruet (1942)
Asymmetrical topography resulting from alpine glaciation: Tuck (1935)
Geological features: Mertie (1939a)
Glacial studies, southern Alaska: Cooper and Field (1936)

Glaciers
Coastal
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Gazetteer: Field (1941)
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Recession, preliminary report: Wentworth and Ray (1932)
Studies, 1941 and 1931, respectively: Field (1942); Wentworth and Ray (1936)
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Glaciation
In Alaska: Cappa (1931a)
Tertiary, and polar wandering: Richarz (1922)
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Gulf of Alaska, submarine mountains: Murray (1941)
Ice caps, distribution: Hawley (1938)
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South-central Alaska - Continued

Slana-Tok district: Moffit (1938b)
Tetling River district, upper: Moffit (1941)
Valdez area, Fort Liscomb landslide, glacial launching: Johnson (1935)
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Benches, marine, abandoned: Buddington (1927a)
Canadian Cordillera, physiography: Bostock (1948)
Chichagof mining district: Reed and Coats (1942)
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Glacier Bay region
   Expedition of 1931: Wright (1932)
   General, glacier variations: Cooper (1937)
   Muir Inlet, glacier recession: Field (1947)
   Physiography: Pomer (1929a)
   Lituya Bay and Mount Crillon, Harvard-Dartmouth expeditions: Washburn (1936)
Lynn Canal, ice-eroded fiord: Martin and Williams (1924)
McCarty Glacier, recent retreat: Whitney (1932)
Mendenhall Glacier area, podzol profile formation: Chandler (1943)
Prince of Wales Island, Jumbo Basin iron deposit: Wright and Foss (1946)
South Crillon Glacier, movement: Washburn and Goldthwait (1937)
Taku district, Talsekwe River, extraordinary floods: Kerr (1936a)
Taku Glacier, seismic measurements: Poulter, Allen and Miller (1949)

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Alaska Peninsula
   Aniakchak and Veniaminof craters: Hubbard (1931); Knappen (1929)
   Aniakchak crater: Smith, W. R. (1925a)
   Katmai region
      General: Fenner (1920b)
      Mount Katmai and Mount Mageik: Fenner (1930)
Aleutian Islands
   Adak Island and Aleutian chain: Bradley (1948)
   Adak Island
      Late-glacial and post-glacial chronology: Judson (1946)
      Northern: Coats (1947a)
   Great Sitkin Island: Simons and Mathewson (1947)
   Island necklace of the north: Freiday (1945)
   Pavlof volcano and vicinity: Kennedy and Waldron (1947)
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   Aleutian trench, profiles and relief: Murray (1945, 1946)
   Kodiak and adjacent islands: Capps (1937a, 1937b)

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Bering or Siberian-Alaskan land bridge: Smith (1933a, 1937a)
Kaiyuh Hills: Mertie (1937c)
Nushagak district
   General: Mertie (1938b)
   Glacial features: Mertie (1937a)
Ruby-Kuskokwim region: Mertie (1936)
Seward Peninsula
   Imuruk Lake area, thaw lakes and thaw sinks: Hopkins (1949)
   Nome area, buried beaches, Pliocene and Pleistocene: MacNeil, Mertie and Pylebry (1943)
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Permafrost
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Pitting on farm lands, new erosion problem: Rockie (1942)
Post-Tertiary changes of climatic significance: Smith (1927c)
Quaternary history: Sachs or Saks (1937)
Regional: Bruet (1945)
Shapes of glacial and ice-jam cobbles: Wentworth (1936)
Tree and návé (snow) lines, Canadian and Alaskan Cordillera: Roper (1929b);
Wasowicz (1929)
Valley glaciers and valley glaciation, minor features: Ray (1934)

Interior Alaska
Cave-in lakes, Napesna, Chisana, and Tanana River valleys: Wallace (1948)
Fairbanks area
Muck-silt deposits, origin: Tuck (1939, 1940)
Permafrost investigations, preliminary report: Pávé (1948b)
Portymile, Eagle and Circle districts, gold placers: Mertie (1938a)
Gerstle River district: Moffit (1942)
Jumbo Dome, frost-moved rubble: Wahrhaftig (1949)
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Slana-Tok district: Moffit (1938b)
Tolovana and Hess River basins, repeated stream piracy: Mertie (1919c)
Yukon-Tanana region: Mertie (1937d)

South-central Alaska
Alaska Range, part, physiographic history, preliminary report: Wahrhaftig (1946)
Black Rapids Glacier, recent advance: Hance (1937)
Cave-in lakes, Napesna, Chisana, and Tanana River valleys: Wallace (1948)
Chitina valley and vicinity: Moffit (1938a)
Copper River basin or region
Northern, mining: Moffit (1944)
Spirit Mountain area: Pierce (1946)
Tonsina district: Moffit (1933b)
Curry district: Tuck (1934)
Gerstle River district: Moffit (1942)
Matanuska coal field, lower Matanuska valley
Anchacite Ridge district: Waring (1936)
Eska Creek area: Tuck (1937a)
Moose Creek district: Apell (1944)
Matanuska valley
General: Shearer (1936)
Loess: Tuck (1938a)
Surface features: Martin (1942)
Nelchina-Susitna region: Chapin (1918a)
Nutzotin Mountains: Moffit (1943)
Portage Pass area, southeast of Anchorage: Barnes (1943)
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General, mountains and glaciers: Field (1932b)
Northern part, glaciers: Field (1932a)
Railroad belt: Capps (1940)
GEOMORPHOLOGY [OR PHYSIOGRAPHY] - Continued
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  Channel shifting: Eardley (1938b); Lowenstein (1938)
  General, topographic features: Eardley (1938a)
  Permafrost and geomorphology: Pêvé (1947)

GEOPHYSICAL SURVEYS
Arctic Alaska
  Aeromagnetic survey, Naval Petroleum Reserve Number 4: Rossman (1946)
General Alaska
  Magnetometer and direct-current resistivity studies: Joesting (1941)
  Microthermal studies, petroleum-bearing rocks: Stadnichenko (1929)
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  Seismograph station, University of Alaska, Fairbanks area: Heck (1936)
South-central Alaska
  Kennecott mines: Bateman (1930)
Southeastern Alaska
  Magnetic exploration, nickel-copper deposits, Bohemia Basin, Yakobi Island: Walton and Kennedy (1945)
  Seismic measurements, Taku Glacier: Foulter, Allen and Miller (1949)
Southwestern Alaska
  Magnetic anomalies, Adak to Kwajalein, preliminary report: Allredge and Keller (1949)

GLACIAL GEOLOGY
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  Glacial erosion: Crosby (1920, 1928)
  Glacial studies, southern Alaska: Cooper and Field (1936)
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  General: Capps (1931a); Crosby (1919, 1920, 1928)
  Paleozoic: Blackwelder (1932)
  Tertiary, and polar wandering: Richarz (1922)
  Valley type, minor features: Ray (1934)
Glaciers
  Advancing: Washburn (1934)
  Coast and interior, aerial exploration of great glaciers: Washburn (1941)
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  Aerial survey, 1947: Miller (1948, 1949a)
  Observations, 1935: Field (1937)
  Gazetteer: Field (1941)
  Positions, 1931: Wentworth and Ray (1934)
Recession, preliminary report: Wentworth and Ray (1932)
  Studies: Chamberlin (1922); Field (1942); Miller (1946); Wentworth and Ray (1936)
  Valley type, minor features: Ray (1934)
  Variations, 1933-1938: Matches (1948)
  Ice caps, distribution: Hawley (1938)
  Mima Mounds, glacial origin: Pêvé (1948a)
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  General
    Valdez area, Fort Liscomb landslide, glacial launching: Johnson (1935)
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South-central Alaska - Continued
Glaciers
Black Rapids Glacier: Hance (1937); Moffit (1942)
Kennebec Glacier, Wrangell Mountains: Bateman (1921, 1922)
Kluatan Glacier and others: Lambart (1920); Reeds (1921)
Malaspina Glacier and others, morainic banding: Washburn (1935)
Prince William Sound
General: Field (1932b)
Northern part: Field (1932a)
Southeastern Alaska
Glaciation
Coast Range, Quaternary: Kerr (1936b)
Lynn Canal, ice-eroded fiord: Martin and Williams (1924)
Paleozoic: Kirk (1919)
Glacier Bay
Expedition of 1931: Wright (1932)
General: Cooper (1930)
Glacier recession, Muir Inlet: Field (1947)
Glacier variations: Cooper (1937)
Physiography: Romer (1929a)
Recent ecological history, interglacial forests: Cooper (1923, 1931)
Glaciers
Juneau Ice Field Research Project, progress report: Miller (1949b)
Malaspina Glacier and others, morainic banding: Washburn (1935)
McCarty Glacier, recent retreat: Whitney (1932)
Pacific coast range glaciers: Lambart (1920)
South Crillon Glacier, movement: Washburn and Goldthwait (1937)
Taku Glacier, seismic measurements: Foulser, Allen and Miller (1949)
Lituya Bay and Mount Crillon, Harvard-Dartmouth expeditions: Washburn (1936)
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Aleutian Islands, Adak Island, late-glacial and post-glacial chronology: Judson (1946)

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Nushagak district, glacial features: Mertie (1937a)

HISTORICAL GEOLOGY
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Canning River region: Leffingwell (1919)
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Peard Bay region, Pleistocene fauna and stratigraphy, notes: Meek (1923)

General Alaska
Areal geology: Smith (1939a)
Cascadia: Schofield (1941)
Climatic history, new viewpoint: Blackwelder (1918)
Cretaceous
Correlation and paleogeography: Martin (1924a)
Upper, plant-bearing beds: Martin (1930)
Geological features: Mertie (1939a)
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General Alaska - Continued

Jurassic

General: Kellum (1945)
Middle, Tuxedni sandstone: Kellum and Norton (1946)

Mesozoic stratigraphy

General: Martin (1926)
Pacific coast formations, correlation: Goranson (1924)
Ordovician, Silurian and Devonian: Kirk (1929)

Paleozoic

Geology, interior Alaska: Mertie (1926)
Glaciation: Blackwelder (1932)
Placer gold: Mertie (1940a)
Mesozoic stratigraphy

General: Martin (1926)
Pacific coast formations, correlation: Goranson (1924)
Ordovician, Silurian and Devonian: Kirk (1929)

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Alaska and Yukon Territory, Pelly gneiss, Precambrian: Mertie (1929b)
Eagle-Circle district

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Tertiary deposits: Mertie (1942)
East-central Alaska, Cambrian, Upper and Middle, and older rocks: Mertie (1931d)
Fairbanks area, muck-silt, origin: Tuck (1940)
Fortymile, Eagle and Circle districts, gold placers: Mertie (1938a)
Gersle River district: Moffit (1942)
Healy River valley, coal deposits: Wahrhaftig and Freedman (1945)
Jumbo Dome, frost-moved rubble, significance in Pleistocene chronology: Wahrhaftig (1949)
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Pleistocene deposits, frozen, gold fields: Wilkerson (1932)
Railroad belt: Capps (1940)

Slana-Tok district: Moffit (1938b)
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Selected problems: Mertie (1933)

South-central Alaska

Alaska Range, southern, including Mount Spurr and Lake Clark: Capps (1935)
Cantwell formation, age: Chaney (1937a)
Chistochina River region, placers: Chapin (1919e)
Chita valley and vicinity: Moffit (1938a)

Cook Inlet region

Iniskin-Chinitna Peninsula, northern part: Kellum and Wedow (1946)
Iniskin Peninsula: Kirschner and Minard (1948)
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- Spirit Mountain, nickel-copper prospect: Kingston and Miller (1945)
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- Upper, and upper Tanana River: Moffit (1936)
- Curry district: Tuck (1934)
- Gerstle River district: Moffit (1942)
- Kahlitna valley, platinum-bearing gold placers: Martie (1919b)
- Kantishna district or region
  - General: Capps (1919d)
  - Stampede Creek area, antimony deposits: White (1942)
  - Katalla area: Miller, Rossman and Hickcox (1945)
- Kenai Peninsula, chromite deposits, Red Mountain area: Guild (1942); Rutledge (1946)
- Kennecott, copper mine: Bateman (1942b); Bateman and McLaughlin (1920)
- Korsina-Kuskulana district, copper deposits: Van Alstine and Black (1946)
- Matanuska coal fields, lower Matanuska valley
  - Anthracite Ridge district: Waring (1936)
  - Eastern part: Barnes and Byers (1943); Tuck and others (1945)
- Tonsina district, copper deposits: Tuck (1937a)
- Geologic problems at coal mines: Martin (1919a)
- Moose Creek district: Apell (1944)
- Western part, resources and geology: Payne and Hopkins (1945)
- Matanuska valley, surface features: Martin (1942)
- Mount McKinley Park, Mount Eielson zinc-lead deposits: Muir, Thomas and Sanford (1947)
- Nabesna area, gold deposits: Wayland (1943)
- Nalchina-Susitna region: Chapin (1918a)
- Nenana coal field: Marstrander and others (1946)
- Nizina district, copper deposits: Miller (1946)
- Nutzotin Mountains: Moffit (1943)
- Portage Pass area, southeast of Anchorage: Barnes (1943)
- Prince William Sound
  - General, copper-bearing rocks: Moffit (1923)
  - Knight Island, Rua Cove, Copper Bullion claims: Stefansson and Moxham (1946)
  - Railroad belt: Capps (1940)
  - Slana-Tok district: Moffit (1938b)
  - Teting River district, upper: Moffit (1941)
  - Valdez Creek mining district: Tuck (1938b)
- Willow Creek district, Independence mine area: Stoll (1944)
- Yakataga area, stratigraphy and structure: Spieker, Walton and Kirschner (1945)
- Yakataga-Controller Bay region, Oligocene: Taliaferro (1932b)
- Yakataga, Katalla and Nichawak districts: Taliaferro (1932a)

Southeastern Alaska
- Admiralty Island, Funter Bay, nickel-copper deposit: Reed (1942)
- Baranof Island
  - Red Bluff Bay, chromite deposits: Guild and Balsley (1942)
  - Snake Bay, nickel-copper deposit: Reed and Gates (1942)
- Chichagof Island, west coast, nickel-copper deposits: Pecora (1942)
- Chichagof mining district: Reed and Coates (1942)

Coast Range, intrusive rocks: Buddington (1927b)
- General: Shaw (1946b)
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  Jumbo Basin, iron deposit, exploration: Wright and Fosse (1946)
  Kasaan Peninsula, Mount Andrew iron deposit: Wright and Tolonen (1947)
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Salmon-Unuk River region, notes: Mertie (1921b)
Ultrabasic rocks, associated mineral deposits: Kennedy and Walton (1946a)
Yakobi, Chichagof and Baranof Islands, nickel deposits: Kennedy and Walton (1946b)
Yakobi Island, Bohemia Basin and vicinity, nickel deposits: Reed and Dorr (1942)

Southwestern Alaska
Alaska Peninsula
  And Aleutian Islands, notes: Capps (1934)
  Mount Katmai and Mount Mageik: Fenner (1930)
  Wide Bay anticline, southwestern part: Kelum, Daviess and Swinney (1945)
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  Adak Island, northern: Coats (1947a)
  Agattu Island, note: Sharp (1946)
  Great Sitkin Island: Simons and Mathewson (1947)
  Kanaga Island, northern: Coats (1947b)
  Pavlof volcano and vicinity: Kennedy and Waldron (1947)
  Umnak Island: Myers and others (1947)
  Western, reconnaissance: Coats (1947c)
Kodiak and adjacent islands: Capps (1937a, 1937b)
Kodiak Island, west coast, beach placers: Maddren (1919b)

Western Alaska
Anvik-Andreafski region, including Marshall district: Harrington (1918)
Goodnews Bay region, platinum placers: Harrington (1921a); Mertie (1940b)
Kaiyuh Hills: Mertie (1937c)
Kivalik-Koyuk region, gold and platinum placers: Harrington (1919b)
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Nushagak district: Mertie (1938b)
Pribilof Islands, notes: Hanna (1919)
Ruby-Kuskokwim region, mineral deposits: Mertie (1936)
Seward Peninsula
  Cape Mountain lode-tin deposits: Heide, Wright and Sanford (1946)
General: Alaska Planning Council (1940)
"Southwestern" Alaska, mercury deposits: Webber and others (1947)
Tolstoi district, gold and platinum placers: Harrington (1919c)
Yukon valley, lower, "late" geologic history: Fardley (1936)

MAPS, GEOLOGIC
Arctic Alaska
Chandalar district: Mertie (1925)
Chandalar-Sheenjek district: Mertie (1929a)
Kobuk River region, asbestos and jade: Anderson (1945)
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Barela and vicinity, lode deposits: Wells (1933)
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  Salt Chuck copper mine: Holt and others (1948)
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  Wrangell district, part: Buddington (1922)
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    Kyuy Hill, sketch: Mertie (1937c)
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Argentiferous lead-copper deposits, Slana district: Thorne (1946)

Beatson copper mine, Latouche Island: Bateman (1942a)

Chromite, Kanai Peninsula, Red Mountain area: Guild (1942); Rutledge (1946)

Copper Bullion claims, Rua Cove, Knight Island, Prince William Sound: Stefánsson and Moxham (1946)

Copper deposits, Kotsina-Kuskalana district: Van Alstine and Black (1946)

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Spirit Mountain area, nickel-copper prospect: Kingston and Miller (1945); Pierce (1946)

Gold, Nachesa area: Wayland (1943)

Kennecott copper mine: Bateman (1942b)

Matanuska coal field, lower Matanuska valley, eastern part: Barnes and Byers (1945)

Nizina district, copper deposits: Miller, D. J. (1946)

Zinc-lead deposits, Mount Eielson, Mount McKinley Park: Muir, Thomas and Sanford (1947)

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Chichagof mining district, ore deposits: Reed and Coats (1942)

Chromite deposits, Baranof Island, Red Bluff Bay area: Guild and Balsley (1942)

Copper-sulfur deposit, Prince of Wales Island, Khayyam and Stumbelon properties: Fosse (1946)

Epidote, Prince of Wales Island: Montgomery (1937)

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Gold, Cleveland Peninsula: Shaw (1946a)

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Nickel deposits, Yakobi, Chichagof, and Baranof Islands: Kennedy and Walton (1946b)

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Baranof Island, Snipe Bay: Reed and Gates (1942)

Chichagof Island, west coast: Pecora (1942)

Nickel-copper-cobalt deposit or exploration, Funter Bay, Admiralty Island: Holt and Mesau (1946); Reed (1942)

Paligorskite, Lemesurier Island, possible asbestos substitute: Fisher, Thorne and Van Cott (1945)

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Brachyzoa, trilobite, late Upper Cambrian: Kobayashi (1935)
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- Kotsina-Kukulana district, copper deposits: Van Alstine and Black (1946)
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- Anthracite Ridge district: Waring (1936)
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  - Eksa Creek coal deposits: Tuck (1937a)
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  Ore deposits, preliminary report: Reed (1939b)
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Hyder district, Mountain View tungsten deposit: Erickson (1946)
Juneau area, East Twin Glacier, Forbes-type banding and glacier measurements: Miller (1949b)
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Yakobi, Chichagof, and Baranof Islands, nickel deposits: Kennedy and Walton (1946b)

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