UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REPORTS PERTAINING TO NAVAL PETROLEUM RESERVE NO. 4 AND ADJACENT AREAS
OF NORTHERN ALASKA PREPARED BY MEMBERS OF THE U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 76-654

This report is preliminary and has not
been edited or reviewed for conformity
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nomenclature

Menlo Park, California

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INDEX MAP OF NAVAL PETROLEUM RESERVE NO. 4 AND ADJACENT AREAS
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Ad Hoc Study Group on Permafrost, 1974, Priorities for basic research on permafrost: Natl. Acad. Sci., Washington, D.C., 54 p.

Alaska Division of Geological Survey, 1972, The status of mineral resources information on the major land withdrawals of the Alaska Native Claims Settlement Act of 1971: U.S. Geol. Survey Open-file Rept., 164 p.

Albers, J. P., Carter, M. D., Clark, A. L., Coury, A. G., and

Schweinfurth, S. P., 1973, Summary petroleum and selected mineral statistics for 120 countries including offshore areas: U.S.

Geol. Survey Prof. Paper 817, 149 p.

Alford, C. J., 1948, Operations report (party 43), seismograph survey for Arctic Contractors at Naval Petroleum Reserve No. 4, Alaska [Fish Creek-Teshkepuk-Oumalik area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-13, 29 p.; open-file, 1954.

_____, 1949, Inventory and operations report [geophysical party 45, Meade area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-34, 29 p.; open-file, 1954.

Allen, S. J., 1950a, Supplementary report on refraction seismograph survey of the Barrow-Meade area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-4, 5 p., 6 pls.; open-file, 1954.

_____, 1950b, Well velocity survey report, Oumalik test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-8, 3 p., 3 pls.; open-file, 1954.

_____, 1950c, Completion report [seismic] for Driftwood area (party 148): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-18, 5 p., 3 pls.; open-file, 1954.

Andreasen, G. E., 1960a, Total intensity aeromagnetic profiles in the Brooks Range, Alaska: U.S. Geol. Survey open-file report, 3 pls.

_____, 1960b, Total intensity aeromagnetic profiles of the Cape Lisburne area, Alaska: U.S. Geol. Survey open-file report, 2 pls.

Arctic Contractors, Incorporated, 1951a, Report on 1951 operations, Arctic Contractors proposed 1952 and 1953 integrated programs: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-14, 125 p.; open-file 1954.

_____, 1951b, Winter freighting operations NPR-4, 1950-1951 season: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-15, 12 p.; open-file 1954.

- ____ 1951c, Exploration report covering work done by Arctic Contractors under contract NOy-13,360 from January 1, 1946, to December 31, 1951: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-10, 302 p., 10 pls.; open-file 1954.
- ____ 1953, Exploration report covering work done by Arctic Contractors under contract NOy-71,333, from January 1, 1952, to July 1, 1953: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-11, 169 p., 9 pls.; open-file 1954.
- Armstrong, A. K., 1969a, Availability of petrographic thin-sections of the Lisburne Group from northeastern Brooks Range, Alaska: U.S. Geol. Survey open-file report, 1 sheet.
- ____ 1969b, Preliminary carbonate lithofacies maps and possible dolomite porosity trends, Mississippian-Pennsylvanian Lisburne Group, North Slope, Alaska: U.S. Geol. Survey open-file report, 15 p., 7 figs.
- Armstrong, A. K., 1970a, Carbonate facies and the lithostrotionoid corals of the Mississippian Kogruek Formation, DeLong Mountains, northwestern Alaska: U.S. Geol. Survey Prof. Paper 664, 38 p.
- ____ 1970b, Mississippian dolomites from the Lisburne Group, Kilik River, Mount Bupto region, Brooks Range, Alaska: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 2, p. 251-264; 1972, in Carbonate rocks I, classifications, dolomite, dolomitization: Am. Assoc. Petroleum Geologists Repr. Series, no. 4, p. 224-237.
- Armstrong, A. K., 1970c, Foraminifera and rugose coral zones of Mississippian-Pennsylvanian Lisburne Group, Brooks Range, Arctic Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 3, p. 559.
- ____ 1971, Pennsylvanian carbonates, paleontology and stratigraphy, north flank, eastern Brooks Range, Arctic Alaska: U.S. Geol. Survey open-file report, 25 p.

- _____ 1972a, Biostratigraphy of Mississippian lithostrotionoid corals, Lisburne Group, Arctic Alaska: U.S. Geol. Survey Prof. Paper, no. 743-A, 28 p.
- _____ 1972b, Pennsylvanian carbonates, paleoecology, and rugose colonial corals, north flank, eastern Brooks Range, arctic Alaska: U.S. Geol. Survey Prof. Paper, no. 747, 19 p.
- _____ 1973a, Lithostrotion reiseri n. sp., a cerioid colonial coral from Meramec-age beds, Lisburne Group, arctic Alaska: U.S. Geol. Survey Research Jour., v. 1, no. 2, p. 137-145.
- _____ 1973b, Carboniferous colonial rugose corals, biostratigraphy, and paleoecology, Lisburne Group, arctic Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 57, no. 4, p. 768.
- _____ 1974, Carboniferous carbonate depositional models, preliminary lithofacies and paleotectonic maps, arctic Alaska: Am. Assoc. Petroleum Geologists Bull., v. 58, no. 4, p. 621-645.
- Armstrong, A. K., and Dutro, J. T., Jr., 1969, Carbonate facies and coral zonation, Mississippian Kogruek Formation, Lisburne Group, DeLong Mountains, Brooks Range, northwestern Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 53, no. 3, p. 704.
- Armstrong, A. K., and Mamet, B. L., 1970, Biostratigraphy and dolomite porosity trends of the Lisburne Group, in Geological seminar of the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. N1-N15; discussion, p. N16.

- ____ 1974, Carboniferous biostratigraphy, Prudhoe Bay State 1 to northeastern Brooks Range, Arctic Alaska: Am. Assoc. Petroleum Geologists Bull., v. 58, no. 4, p. 646-660.
- Armstrong, A. K., and Mamet, B. L., 1975, Carboniferous biostratigraphy, northeastern Brooks Range, arctic Alaska: U.S. Geol. Survey Prof. Paper 884, 29 p.
- Armstrong, A. K., Mamet, B. L., and Dutro, J. T., Jr., 1970, Foraminiferal zonation and carbonate facies of Carboniferous (Mississippian and Pennsylvanian) Lisburne Group, central and eastern Brooks Range, Arctic Alaska: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 5, p. 687-698; 1969, U.S. Geol. Survey open-file report, 26 p.
- ____ 1971, Lisburne Group, Cape Lewis-Niak Creek, northwestern Alaska, in Geological Survey Research 1971: U.S. Geol. Survey Prof. Paper 750-B, p. B23-B34.
- Averitt, Paul, 1968, Total estimated remaining coal resources of the United States, Jan. 1, 1967: U.S. Geol. Survey open-file report, 1 p.
- Averitt, Paul, 1969, Coal Resources of the United States, Jan. 1, 1967: U.S. Geol. Survey Prof. Paper 1275, 116 p.
- Averitt, Paul, and Carter, M. D., 1970, Selected sources of information on United States and world energy resources; an annotated bibliography: U.S. Geol. Survey Circ. 641, 21 p.
- Averitt, Paul, and Lopez, L., 1972, Bibliography and index of U.S. Geological Survey publications relating to coal, 1882-1970: U.S. Geol. Survey Bull. 1377, 173 p.

Baker, J. H., Beetem, W. A., and Wahlberg, J. S., 1964, Absorption

equilibria between earth materials and radionuclides, Cape

Thompson, Alaska: U.S. Geol. Survey open-file report, 30 p.

Barnes, D. F., 1960, Seismic velocity measurements at the Ogotoruk Creek Chariot site, northwestern Alaska: U.S. Geol. Survey Rept. TEI-753, p. 62-72.

_____, 1965, The U.S. Geological Survey's program of Alaskan gravity observations: Am. Geophys. Union Trans., v. 46, no. 1, p. 231-233.

Barnes, D. F., 1966a, Seismic, gravity, and magnetic measurements, in Environment of the Cape Thompson region, Alaska: Washington, D. C., U.S. Atomic Energy Comm., p. 165-174.

_____, 1966b, Gravity low over Colville geosyncline, in Geological Survey research 1966: U.S. Geol. Survey Prof. Paper 550-A, p. A89.

_____, 1967a, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file maps, scale 1:5,000,000.

_____, 1967b, Gravity data in northwestern Alaska, in Geological Survey research 1967: U.S. Geol. Survey Prof. Paper 575-A, p. A91.

_____, 1968a, A network of Alaskan gravity base stations: U.S. Geol. Survey open-file report, 8 p.

_____, 1968b, Gravity map of Alaska, in Geological Survey research 1968: U.S. Geol. Survey Prof. Paper 600-A, p. A38-A39.

_____, 1968c, Northeast and northwest Alaska, in Alaskan gravity base station network: U.S. Geol. Survey open-file report, p. 21, 30-31.

Barnes, D. F., 1968d, Progress on Alaskan gravity surveys (abs.): Am.

Geophys. Union Trans., v. 49, no. 4, p. 665.

_____, 1969a, Lack of isostatic adjustment on two Alaskan continental margins (sum.): Geol. Soc. America Abs. with programs 1969, pt. 7, p. 254-256.

_____, 1969b, Progress on a gravity map of Alaska, in Symposium on gravity surveys in western North America: Am. Geophys. Union Trans., v. 50, no. 10, p. 550-552.

- _____, 1970, Gravity and other regional data from northern Alaska, in
Geological seminar on the North Slope of Alaska, Palo Alto, Calif.,
1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists
Pacific Sec., p. I-1-I-19; discussion, p. I-20.
- Barnes, D. F., 1972, Notes on the processing and presentation of U.S.
Geological Survey Alaskan gravity data: U.S. Geol. Survey open-
file report, 25 p.
- Barnes, D. F., and Allen, R. V., 1961, Preliminary results of gravity measure-
ments between Kotzebue and Point Hope, Alaska, in Kachadoorian, Reuben,
and others, Geologic investigations in support of Project Chariot in the
vicinity of Cape Thompson, northwestern Alaska -- preliminary report:
U.S. Geol. Survey TEI-779, p. 80-86.
- Barnes, D. F., and Hobbie, J. E., 1960, Rate of melting at the bottom of
floating ice, in Geological Survey research 1960: U.S. Geol. Survey
Prof. Paper 400-B, p. B392-B394.
- Barnes, D. F., and Tailleux, I. L., 1970, Preliminary interpretation of
geophysical data from the lower Noatak River basin, Alaska: U.S.
Geol. Survey open-file report, 24 p.
- Barnes, P. W., 1971, Sedimentary processes of the northwest coast of
Alaska [abs.]: Natl. Coastal Shallow Water Res. Conf., Abs.,
no. 2, p. 264.
- Barnes, P. W., and Leong, Kam, 1971, Distribution of copper, lead,
zinc, mercury, and arsenic in the surface sediments off the coast
of northwestern Alaska: U.S. Geol. Survey Mineral Inv. Field
Studies Map MF-316.
- Barnes, Peter, Leong, Kam, and Gustafson, Charles, 1974, Map showing
distribution of copper, lead, zinc, mercury, and arsenic in the
sediments off the coast of northern Alaska: U.S. Geol. Survey
Misc. Field Studies Map MF-614, 1 sheet, scale 1:3,375,000.
- Barnes, P. W., and Reimnitz, Erk, 1972, River overflow onto the sea
ice off the northern coast of Alaska, spring 1972 [abs.]: Am.
Geophys. Union Trans., v. 53, no. 11, p. 1020.

- ____ 1973, New insights into the influence of ice on the coastal marine environment of the Beaufort Sea, Alaska: NASA Spec. Pub. SP-327, p. 1307-1313.
- Barnes, P. W., Reimnitz, Erk, Gustafson, C. W., and Larsen, B. R., 1973, U.S. Geological Survey marine geologic studies in the Beaufort Sea off northern Alaska, 1970 through 1972; data type and location: U.S. Geol. Survey open-file report, 38 p.
- Barnes, F. F., 1967a, Northern Alaska, in Coal resources of Alaska: U.S. Geol. Survey Bull. 1242-B, p. B16-B18.
- ____ 1967b, Coal resources of the Cape Lisburne-Colville River region, Alaska: U.S. Geol. Survey Bull. 1242-E, p. E1-E37.
- Beltz, E. W., 1949a, Oil possibilities of the Barrow regional high: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-40, 6 p., 2 pls.; open-file 1954.
- ____ 1949b, Oil possibilities of the Cape Simpson area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-41, 12 p. 12 pls.; open-file 1954.
- ____ 1949c, An evaluation of gravity surveys in Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-42, 7 p., 3 pls.; open-file 1954.
- ____ 1949d, Comments, Wainwright airborne gravity survey [Kuk, Wainwright, Inaru anomalies]; 1949: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-43, 3 p.; open-file 1954.
- ____ 1949e, Oil possibilities of NPR-4 and a long-term exploration program: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-44, 8 p., 3 tables; open-file 1954.
- Benedictus, R. L., 1951, Well velocity survey report, Topagoruk test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-8, 3 p., 2 pls.; open-file 1954.
- Berg, H. C., 1970, Alaska's mineral resources -- past, present, and future: Canadian Mining Jour., v. 91, no. 4, p. 53-56.
- Berg, H. C., and Cobb, E. H., 1967, Northern and northwest Alaska region, in Metalliferous deposits of Alaska: U.S. Geol. Survey Bull. 1254, p. 96-105.

- Bergquist, H. R., 1949, Paleontologic correlations in northern part of Naval Petroleum Reserve No. 4, 1949: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 12, 9 p., pl.; open-file 1954.
- _____, 1950, Summary of paleontology of wells drilled since April, 1949: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 26, 9 p.; open-file 1954.
- Bergquist, H. R., 1951, Recent developments in paleontological studies: U.S. Geol. Survey Inv. Naval Petroleum Reserves and adjacent areas Spec. Rept. 29, 13 p.; open-file, 1954.
- _____, 1952, Micropaleontological studies in 1952: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 39, 10 p., 2 figs.; open-file, 1954.
- _____, 1956a, Microfossil zones in Cretaceous rocks of northern Alaska [abs.]: Geol. Soc. America Bull., v. 67, no. 12, pt. 2, p. 1670.
- _____, 1956b, Paleontology of test wells and core tests in the Oumalik area, Alaska, in Robinson, F. M., Core tests and test wells, Oumalik area, Alaska: U.S. Geol. Survey Prof. Paper 305-A, p. 65-68.
- _____, 1958a, Micropaleontologic study of the Umiat field, northern Alaska, in Collins, F. R., Test wells, Umiat area, Alaska: U.S. Geol. Survey Prof. Paper 305-B, p. 199-204.
- _____, 1958b, Micropaleontologic study of the Gubik test wells, northern Alaska, in Robinson, F. M., Test wells, Gubik area, Alaska: U.S. Geol. Survey Prof. Paper 305-C, p. 259-261.
- _____, 1959a, Micropaleontologic study of test wells in the Titaluk and Knifeblade areas, northern Alaska, in Robinson, F. M., Test wells, Titaluk and Knifeblade areas, Alaska: U.S. Geol. Survey Prof. Paper 305-G, p. 417-419.
- _____, 1959b, Micropaleontology of Square Lake test well 1 and the Wolf Creek test wells, northern Alaska, in Collins, F. R., Test wells, Square Lake and Wolf Creek areas, Alaska: U.S. Geol. Survey Prof. Paper 305-H, p. 479-482.
- _____, 1960, Occurrence of Foraminifera and conodonts in Upper Paleozoic and Triassic rocks, northern Alaska: Jour. Paleontology, v. 34, no. 3, p. 596-601.
- _____, 1966, Micropaleontology of the Mesozoic rocks of northern Alaska: U.S. Geol. Survey Prof. Paper 302-D, p. 93-227.
- Bergquist, W. E., 1959, Electric logs of wells drilled in northern Alaska: U.S. Geol. Survey open-file report, 12 p.

- Black, R. F., 1951b, Structures in ice wedges of northern Alaska [abs.]: Geol. Soc. America Bull., v. 62, no. 12, pt. 2, p. 1423-1424; 1962 in Am. Mineralogist, v. 37, nos. 3-4, p. 285-286.
- ____ 1951c, 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.
- ____ 1951d, Some techniques and equipment for the study of ground ice and permafrost [Alaska] [abs.]: Am. Geophys. Union Trans., v. 32, p. 330-331.
- ____ 1951e, Permafrost: Smithsonian Inst. Ann. Rept., p. 273-302.
- ____ 1952a, Growth of ice-wedge polygons in permafrost near Barrow, Alaska [abs.]: Geol. Soc. America Bull., v. 63, no. 12, pt. 2, p. 1235-1236.
- ____ 1952b, Polygonal patterns and ground conditions from aerial photographs: Photogramm. Eng., v. 18, p. 123-134.
- ____ 1953, Permafrost -- a review: New York Acad. Sci. Trans., 2d ser., v. 15, p. 126-131; enlarged 1954 in Geol. Soc. America Bull., v. 65, no. 9, p. 839-855.
- ____ 1955, Arctic slope, in Hopkins, D. M., Karlstrom, T. W. V., and others, Permafrost and ground water in Alaska: U.S. Geol. Survey Prof. Paper 264-F, p. 118-119.
- ____ 1956, Permafrost as a natural phenomenon, [Pt.] 1 in Book 2 of The Dynamic North: U.S. Office Chief Naval Operations Polar Proj. Op-03A3, 25 p.
- ____ 1957a, Gubik formation of Quaternary age in northern Alaska [abs.]: Geol. Soc. America Bull., v. 68, no. 12, pt. 2, p. 1701.
- ____ 1957b, Some problems in engineering geology caused by permafrost in the Arctic coastal plain, northern Alaska: Arctic, v. 10, no. 4, p. 230-240.
- ____ 1963, Les coins de glace et le gel permanent dans le nord de l'Alaska: Annales Géographie, 72 année, no. 391, p. 257-271.
- ____ 1964a, Gubik Formation of Quaternary age in northern Alaska: U.S. Geol. Survey Prof. Paper 302-C, p. 59-91.
- ____ 1964b, Periglacial studies in the United States 1959-1963: Biul. Peryglacjalny, no. 14, p. 5-29.
- Black, R. F., and Barksdale, W. L., 1948, Terrain and permafrost, Uniat area, Alaska: U.S. Geol. Survey-U.S. Army Corps Engineers Permafrost Program Prog. Rept. 5.

Black, R. F., and Barksdale, W. L., 1949, Oriented lakes of northern Alaska: Jour. Geology, v. 57, no. 2, p. 103-118; correction, no. 4, p. 146; abs. in Washington Acad. Sci. Jour., v. 39, no. 3, p. 107-108.

Boneham, R. F., and Tailleux, I. L., 1972, Leiosphaeridia (Acrutarcha)

in the Mesozoic oil shales of northern Alaska: U.S. Geol. Survey

Prof. Paper, no. 800-B, p. B17-B19.

Boring, J. H., 1948, Supplementary report on field (seismographic) operations and recommendations (Party 47) [southwest of Barrow]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-8, 2 p.; open-file, 1954.

Bower, J. S., 1949, Inventory and operations report [Geophysical party 46]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-35, 32 p.; open-file, 1954.

Bowsher, A. L., and Dutro, J. T., Jr., 1949, Preliminary report on the Mississippian rocks of the Kanayut, Nanushuk, and Itkilik area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 24, 41 p.; open-file, 1954.

_____, 1950, Stratigraphy and paleontology of the Mississippian rocks in the central part of the Brooks Range, Alaska [abs.]: Geol. Soc. America Bull., v. 61, no. 12, pt. 2, p. 1445.

_____, 1957, The Paleozoic section in the Shadin Lake area, central Brooks Range, Alaska: U.S. Geol. Survey Prof. Paper 303-A, p. 1-39.

Brew, D. A., 1974, Environmental impact analysis, the example of the

proposed trans-Alaska pipeline: U.S. Geol. Survey Circ. 695,

16 p.

Brewer, M. C., 1955, 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.

_____, 1956, Thermal disturbance in permafrost resulting from road construction [Barrow, Umiat areas] [abs.]: Geol. Soc. America Bull., v. 67, no. 12, pt. 2, p. 1805.

_____, 1958a, Some results of geothermal investigations of permafrost in northern Alaska: Am. Geophys. Union Trans., v. 39, no. 1, p. 19-26.

_____, 1958b, The thermal regime of an arctic lake: Am. Geophys. Union Trans., v. 39, p. 278-284.

- _____. 1961, Temperature measurement studies, South Barrow test well 1, in Subsurface geology and engineering data, Pt. 5 of Exploration of Naval Petroleum Reserve No. 4 and adjacent areas, northern Alaska, 1944-53: U.S. Geol. Survey Prof. Paper 305-K, p. 596.
- Brewer, M. C., and MacCarthy, G. R., 1954, Geothermal fluctuations in permafrost at Point Barrow, Alaska [abs.]: Alaskan Sci. Conf., 3d, Mt. McKinley Natl. Park, Sept. 1952, Proc., p. 159.
- Brice, James, 1971, Measurement of lateral erosion at proposed river crossing sites of the Alaska pipeline: U.S. Geol. Survey open-file report, 39 p.
- Brobst, D. A., and Pratt, W. P., eds., 1973, United States mineral resources: U.S. Geol. Survey Prof. Paper 820, 722 p.
- Brooks, A. H., 1905, The geography of Alaska, with an outline of the geomorphology: Internat. Geog. Cong., 8th, Proc., p. 204-230.
- _____. 1907, Northern Alaska, in The geography and geology of Alaska, a summary of existing knowledge: U.S. Geol. Survey Prof. Paper 45, p. 23-26, 46, 95-103, 141, 206, 220-298.
- _____. 1908, Coal, in The distribution of mineral resources in Alaska: U.S. Geol. Survey Bull. 345, p. 22.
- _____. 1909a, Petroleum, in The mining industry in 1908: U.S. Geol. Survey Bull. 379, p. 61-62.
- _____. 1909b, Northern Alaska, in Alaska coal and its utilization: U.S. Geol. Survey Bull. 442, p. 61-62.
- _____. 1909c, Northern Alaska [coal], in Mineral resources of Alaska: U.S. Geol. Survey Bull. 394, p. 180-182.
- _____. 1914, North slope, in The mineral deposits of Alaska: U.S. Geol. Survey Bull. 592, p. 40.
- Brooks, A. H., 1916, North slope, in The mineral resources of Alaska: U.S. Geol. Survey Bull. 642, p. 52.
- _____. 1917, Arctic coast, in The Alaskan mining industry in 1916: U.S. Geol. Survey Bull. 662-A, p. 37.
- Brosge, W. P., 1960, Metasedimentary rocks in the south central Brooks Range, Alaska: U.S. Geol. Survey Prof. Paper 400-B, p. B351-B352.

- Brosge, W. P., Brabb, E. E., and King, E. R., 1968, Geologic interpretation of reconnaissance aeromagnetic survey of northeastern Alaska: U.S. Geol. Survey open-file report, 3 sheets.
- Brosge, W. P., Brabb, E. E., and King, E. R., 1970, Geologic interpretation of reconnaissance aeromagnetic survey of northeastern Alaska: U.S. Geol. Survey Bull. 1271-F, p. F1-F14.
- Brosge, W. P., and Dutro, J. T., Jr., 1973, Paleozoic rocks of northern and central Alaska, in Arctic geology: Am. Assoc. Petroleum Geologists Mem. 19, p. 361-375; 1970, abs., in Internat. Arctic Geology Symposium, 2d, San Francisco, 1971, Abs. Papers: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2473.
- Brosge, W. P., Dutro, J. T., Jr., Mangus, M. D., and Reiser, H. N., 1952, Preliminary report on the stratigraphy and structure of some selected localities in the eastern Brooks Range, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 42, 28 p.; open-file, 1954.
- _____, 1960, Geologic map of the eastern Brooks Range, Alaska: U.S. Geol. Survey open-file map.
- _____, 1962, Paleozoic sequence in eastern Brooks Range, Alaska: Am. Assoc. Petroleum Geologists Bull., v. 46, no. 12, p. 2174-2198.
- Brosge, W. P., and Kover, A. N., 1949, Preliminary report on the stratigraphy and structure of the Titaluk anticline in the vicinity of Maybe Creek, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 22, 9 p.; open-file, 1954.
- _____, 1950, Stratigraphy and structure of the Titaluk anticline in the vicinity of Maybe Creek, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 32, 10 p.; open-file, 1954.
- Brosge, W. P., and Reiser, H. N., 1950, Preliminary report on selected sections of Lisburne limestone: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 31, 18 p.; open-file, 1954.
- _____, 1951, Selected sections of Lisburne limestone, Brooks Range, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 40, 24 p., 9 figs., 6 pls.; open-file, 1954.

- ____ 1952, Progress report on photogeologic structure studies in the Chandler River area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 32, 3 p., 1 pl.; open-file, 1954.
- ____ 1965, Preliminary geologic map of the Arctic quadrangle, Alaska: U.S. Geol. Survey open-file map.
- ____ 1968a, Geochemical reconnaissance maps of granitic rocks, Coleen and Table Mountain quadrangles, Alaska: U.S. Geol. Survey open-file maps, 4 sheets, scale 1:250,000.
- Brosge, W. P., and Reiser, H. N., 1968b, Structure in northeastern Alaska, in Geological Survey research 1968: U.S. Geol. Survey Prof. Paper 600-A, p. A41.
- Brosge, W. P., Reiser, H. N., and Estland, M. B., 1970, Chemical analyses of stream-sediment samples from the Sadlerochit-Jago Rivers area, Mt. Michelson and Demarcation Point quadrangles, Alaska: U.S. Geol. Survey open-file report, 6 p.
- Brosge, W. P., Reiser, H. N., Patton, W. W., Jr., and Mangus, M. D., 1960, Geologic map of the Killik-Anaktuvuk rivers region, Brooks Range, Alaska: U.S. Geol. Survey open-file map.
- Brosge, W. P., Reiser, H. N., and Tailleir, I. L., 1967, Copper analyses of selected samples, southwestern Brooks Range, Alaska: U.S. Geol. Survey open-file map, scale 1:1,000,000.
- Brosge, W. P., and Tailleir, I. L., 1969, Isopach maps of upper Paleozoic and Mesozoic rocks, northern Alaska: U.S. Geol. Survey open-file report, 13 p., maps scale 1:2,500,000.
- ____ 1970a, Depositional history of northern Alaska, in Geological seminar on the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. D1-D18; discussion, p. D18; abs., in Am. Assoc. Petroleum Geologists Bull., v. 54, no. 5, p. 837-838.
- ____ 1970b, Tectonic history of northern Alaska, in Geological seminar on the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. E1-E19; discussion, p. E20.

- ____ 1971, Northern Alaska petroleum province, in Future petroleum provinces of the United States -- their geology and potential: Am. Assoc. Petroleum Geologists Mem. 15, v. 1, p. 68-99.
- Brosge, W. P., Tailleux, I. L., and Gryc, George, 1969, Mineral resources of northern Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 53, no. 3, p. 709-710.
- Brosge, W. P., and Whittington, C. L., 1962, Preliminary geologic map of the Umiat-Maybe Creek region, Alaska: U.S. Geol. Survey open-file map.
- ____ 1966, Geology of the Umiat-Maybe Creek region, Alaska; Part 3, Areal geology [with a section on heavy-mineral studies by R. H. Morris]: U.S. Geol. Survey Prof. Paper 303-H, p. 501-638.
- Callahan, J. E., 1971, Geology and coal resources of T. 6 S., R. 51 W., unsurveyed, Umiat principal meridian in the Cape Beaufort coal field, northwestern Alaska: U.S. Geol. Survey open-file report, 18 p.
- Callahan, J. E., Wanek, A. A., Schell, E. M., Zeller, H. D., and Rohrer, W. L., 1969, Geology of T. 1S, R. 44W, unsurveyed, Umiat principal meridian in the Kukpowruk coal field, Alaska: U.S. Geol. Survey open-file report, 19 p., 1 pl., 1 fig., 2 tables.
- Campbell, R. H., 1960a, Areal geology of the Ogotoruk Creek Chariot test site and adjacent areas to the west and north, northwestern Alaska: U.S. Geol. Survey Rept. TEI-753, p. 37-41.
- ____ 1960b, Generalized stratigraphic section of the Lisburne group in the Point Hope A-2 quadrangle, northwestern Alaska, in Geological Survey research 1960: U.S. Geol. Survey Prof. Paper 400-B, p. B337-B339.
- ____ 1961a, Areal geologic mapping in the Cape Thompson area, Alaska: U.S. Geol. Survey Rept. TEI-779, p. 28-42.
- ____ 1961b, Thrust faults in the southern Lisburne Hills, northwest Alaska, in Geological Survey research 1961: U.S. Geol. Survey Prof. Paper 424-D, p. D194-D196.
- Campbell, R. H., 1965, Geologic map and structure sections of the Ogotoruk Creek area and vicinity, Alaska: U.S. Geol. Survey open-file report, map scale 2 inches to 1 mile.
- ____ 1966, Areal geology, in Environment of the Cape Thompson region, Alaska: Washington, D. C., U.S. Atomic Energy Comm., p. 57-84.

- _____. 1967, Areal geology in the vicinity of the Chariot site, Lisburne Peninsula, northwestern Alaska: U.S. Geol. Survey Prof. Paper 395, 71 p.
- Carter, Claire, ed., 1974, United States Geological Survey Alaska program, 1974: U.S. Geol. Survey Circ. 700, 63 p.
- Carter, R. D., Denman, J. M., and Pierpoint, J. G., 1975, Geological literature on the North Slope of Alaska, 1969-1974: U.S. Geol. Survey Open-file Rept. No. 75-384.
- Cederstrom, D. J., 1950, Summary of ground water development in Alaska, 1950: U.S. Geol. Survey Circ. 169, 37 p.
- Cederstrom, D. J., Johnson, P. M., and Subitzky, Seymour, 1953, Occurrence and development of ground water in permafrost regions: U.S. Geol. Survey Circ. 275, 30 p.
- Chalmers, H. B., 1949a, Report of well velocity survey, Fish Creek test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-21, 4 p., 3 pls.; open-file, 1954
- _____. 1949b, Supplemental report [seismograph survey], Simpson Seep area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-29, 3 p., 4 pls.; open-file, 1954.
- _____. 1950, Seismograph operations, Wainwright, Utukok, and Kaolak areas (party 147): U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Rept. 50-16, 7 p., 7 figs., 7 pls.; open-file, 1954.
- Chapman, R. M., Detterman, R. L., and Mangus, M. D., 1964, Geology of the Killik-Etiviluk Rivers region, Alaska: U.S. Geol. Survey Prof. Paper 303-F, p. 325-407.
- Chapman, R. M., and Eberlein, G. D., 1951, Stratigraphy and structure of the upper Oolamnagavik, Kurupa, and Etiviluk Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 41, 28 p.; open-file, 1954.
- Chapman, R. M., Eberlein, G. D., and Reynolds, C. D., 1950, Preliminary report on the stratigraphy and structure of the upper Oolamnagavik, Kurupa, and Etiviluk Rivers area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 32, 11 p.; open-file, 1954.
- Chapman, R. M., and Sable, E. G., 1949, Preliminary report on the stratigraphy and structure of the Kukpowruk and Kokolik Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 27, 20 p.; open-file, 1954.

- ____ 1950, Stratigraphy and structure of the Kokolik and Kukpowruk Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 33, 32 p., App. p. 1A-43A; open-file, 1954.
- ____ 1960, Geology of the Utukok-Corwin region, northwestern Alaska: U.S. Geol. Survey Prof. Paper 303-C, p. 47-167.
- Chapman, R. M., and Thurrell, R. F., Jr., 1946, Preliminary report on the stratigraphy and structure of the Kurupa, Colville, and Oolamagavik Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 1, 11 p.
- ____ 1947, Stratigraphy and structure of the area of the Kurupa, Oolamagavik, Killik, and Colville Rivers: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 5, 12 p., 2 pls.; open-file, 1954.
- Childers, J. M., 1970a, Flood frequency in Alaska: U.S. Geol. Survey open-file report, 30 p.
- ____ 1970b, A proposed streamflow-data program for Alaska: U.S. Geol. Survey open-file report, 55 p.
- ____ 1972a, Channel erosion surveys along proposed TAPS route, Alaska, July 1971: U.S. Geol. Survey Water Resources-Inv., 79 p.
- ____ 1972b, Flood surveys along proposed TAPS route, Alaska, July 1971: U.S. Geol. Survey open-file report, 16 p.
- Childers, J. M., 1974, Flood surveys along TAPS route, Alaska: U.S. Geol. Survey open-file report, 16 p.
- Childers, J. M., Sloan, C. E., and Meckel, J. P., 1973, Hydrologic reconnaissance of streams and springs in eastern Brooks Range, Alaska -- July 1972: U.S. Geol. Survey open-file report, 25 p.
- Churkin, Michael, Jr., 1969a, Paleozoic tectonic history of the Arctic basin north of Alaska: Science, v. 165, no. 3893, p. 549-555.
- ____ 1969b, Paleozoic tectonic history of Alaska and the origin of the Arctic basin [abs.]: Houston Geol. Soc. Bull., v. 11, no. 8, p. 35.

Churkin, Michael, Jr., 1970a, Correlation of fold belts of Alaska, Canada, and Siberia [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 5, p. 841.

_____ 1970b, Fold belts of Alaska and Siberia and drift between North America and Asia, in Geological seminar on the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. G1-G14; discussion, p. G15-G17.

_____ 1973a, Geologic concepts of Arctic Ocean basin, in Arctic geology: Am. Assoc. Petroleum Geologists Mem. 19, p. 485-499.

_____ 1973b, Paleozoic and Precambrian rocks of Alaska and their role in its structural evolution: U.S. Geol. Survey Prof. Paper, no. 740, 64 p.

Churkin, Michael, Jr., and Brabb, E. E., 1967, Devonian rocks of the Yukon-Porcupine Rivers area and their tectonic relation to other Devonian sequences in Alaska, in Oswald, D. H., ed., International symposium on the Devonian system, Calgary, 1967, V. 2: Calgary, Alberta Soc. Petroleum Geologists, p. 227-258.

Churkin, Michael, Jr., and Brabb, E. E., 1969, Prudhoe Bay discovery forces a look at other Alaskan petroliferous areas: Oil and Gas Jour., Nov. 17, p. 104-110.

Clark, A. L., Berg, H. C., Cobb, E. H., Eberlein, G. D., MacKevett, E. M., Jr., and Miller, T. P., 1972, Metal provinces of Alaska: U.S. Geol. Survey open-file report, 3 p., 3 maps, scale 1:2,500,000.

Clark, A. L., Berg, H. C., Cobb, E. H., Eberlein, G. D., MacKevett, E. M., Jr., and Miller, T. P., 1974, Metal provinces of Alaska: U.S. Geol. Survey Misc. Inv. Ser. I-834.

Cobb, E. H., 1959, Annotated bibliography of U.S. Geological Survey publications on petroleum and oil shale in Alaska, in Miller, D. J., Payne, T. G., and Gryc, George, Geology of possible petroleum provinces in Alaska: U.S. Geol. Survey Bull. 1094, p. 113-127.

Cobb, E. H., 1964, Industrial minerals and construction materials occurrences in Alaska: U.S. Geol. Survey Mineral Resource Map, scale 1:2,500,000.

Cobb, E. H., compiler, 1972a, Metallic mineral resources map of the DeLong Mountains quadrangle, Alaska: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-404, scale 1:250,000.

_____ 1972b, Metallic mineral resources map of the Mt. Michelson quadrangle, Alaska: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-462, scale 1:250,000.

_____ 1973a, Index of metallic mineral deposits of Alaska compiled from reports in open files of the U.S. Geol. Survey and U.S. Bureau of Mines through 1972: U.S. Geol. Survey open-file report, 87 p.

_____ 1973b, Placer deposits of Alaska (Table Mt. quad.): U.S. Geol. Survey Bull. 1374, 213 p.

_____ 1974a, Geological Survey open-file reports of Alaska indexed by quadrangle: U.S. Geol. Survey open-file report, 116 p.

_____ 1974b, Synopsis of the mineral resources and geology of Alaska: U.S. Geol. Survey Bull. 1307, 53 p.

Cobb, E. H., 1975, Summary of references to mineral occurrences (other than mineral fuels and construction materials) in Northern Alaska: U.S. Geol. Survey Open-file Rept. 75-628, 106 p.

Cobb, E. H., and Kachadoorian, Reuben, 1961, Index of metallic and non-metallic mineral deposits of Alaska, compiled from published reports of Federal and State agencies through 1959: U.S. Geol. Survey Bull. 1139, 363 p.

- Cobb, E. H., and Kennedy, D. L., 1967, Geologic map index of Alaska, 5th ed.: U.S. Geol. Survey Map Index, scale 1:2,500,000.
- Cobban, W. A., and Gryc, George, 1961, Ammonites from the Seabee Formation (Cretaceous) of northern Alaska: Jour. Paleontology, v. 35, no. 1, p. 176-190.
- Cohee, G. V., West, W. S., Campbell, R. H., and Nelson, C. A., 1965, Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1963: U.S. Geol. Survey Bull. 1194-A, p. A1-A35.
- Collier, A. J., 1904, The coal fields of Cape Lisburne, Alaska: Am. Geologist, v. 34, p. 401-402.
- _____, 1905, Coal fields of the Cape Lisburne region: U.S. Geol. Survey Bull. 259, p. 172-185.
- _____, 1906, Geology and coal resources of the Cape Lisburne region, Alaska: U.S. Geol. Survey Bull. 278, p. 1-54.
- Collins, F. R., 1958a, Test wells, Umiat area, Alaska, with Micropaleontologic study of the Umiat field, northern Alaska, by H. R. Bergquist: U.S. Geol. Survey Prof. Paper 305-B, p. 71-206.
- _____, 1958b, Test wells, Topagoruk area, Alaska, with Micropaleontologic study of the Topagoruk test wells, northern Alaska, by H. R. Bergquist: U.S. Geol. Survey Prof. Paper 305-D, p. 265-316.
- _____, 1958c, Test wells, Meade and Kaolak areas, Alaska: U.S. Geol. Survey Prof. Paper 305-F, p. 341-376.
- _____, 1959, Test wells, Square Lake and Wolf Creek areas, Alaska, with Micropaleontology of Square Lake test well 1 and the Wolf Creek test wells, northern Alaska, by H. R. Bergquist: U.S. Geol. Survey Prof. Paper 305-H, p. 423-484.
- _____, 1961, Core tests and test wells, Barrow area, Alaska, with a section on Temperature measurement studies, by M. C. Brewer: U.S. Geol. Survey Prof. Paper 305-K, p. 569-644.
- Collins, F. R., and Robinson, F. M., 1967, Subsurface stratigraphic, structural and economic geology, northern Alaska [NPR-4 and adjacent areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas open-file report, 252 p., 16 pls., 19 figs., 2 tables.
- Committee on Permafrost, 1975, Opportunities for permafrost-related research associated with the Trans-Alaska Pipeline System: Natl. Acad. Sci., Washington, D.C., 37 p.

- Coulter, H. W., Hussey, K. M., and O'Sullivan, J. B., 1960, Radiocarbon dates relating to the Gubik formation, northern Alaska, in Geological Survey research 1960: U.S. Geol. Survey Prof. Paper 400-B, p. B350-B351.
- Coulter, H. W., and others, 1965, Extent of Pleistocene glaciations in Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-415, scale 1:2,500,000.
- Dall, W. H., 1881, Extract from a report -- [on Alaska]: Am. Jour. Sci., 3d ser., v. 21, p. 104-111.
- _____, 1885a, New or specially interesting shells of the Point Barrow expedition, 1884: U.S. Natl. Mus. Proc., 1884, v. 7, p. 523-526.
- _____, 1885b, Report on the mollusks, in Report of the international polar expedition to Point Barrow, Alaska: Internat. Polar Exped. 1882-1883, Rept., p. 177-184.
- _____, 1896, Report on coal and lignite of Alaska: U.S. Geol. Survey Ann. Rept., 17th, pt. 1, p. 818-819.
- _____, 1919, Mollusks, Recent and Pleistocene: Canadian Arctic Exped. 1913-1918, Rept., v. 8, pt. A, Ottawa, Canada.
- _____, 1920, Pliocene and Pleistocene fossils from the Arctic coast of Alaska and the auriferous beaches of Nome, Norton Sound, Alaska: U.S. Geol. Survey Prof. Paper 125-C, p. 23-37; abs. by R. W. Stone in Washington Acad. Sci. Jour., v. 10, no. 11, p. 327.
- Dall, W. H., and Harris, G. D., 1892, Alaska, in Correlation papers, Neocene: U.S. Geol. Survey Bull. 84, p. 232-268.
- Dana, S. W., 1948, Correlation of geophysical and geological data from Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 23, 10 p.; open-file, 1954.
- _____, 1949a, Calculated gravity anomaly produced by possible fault under Line 27-48 [South Barrow test well 2]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 4, 2 p.; open-file, 1954.
- _____, 1949b, Possible seismic evidence for the base of the Tertiary in the eastern part of Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Spec. Rept. 5, 3 p.; open-file, 1954.
- _____, 1951, Geophysical summary, in Payne, T. G., and others, Geology of the Arctic slope of Alaska: U.S. Geol. Survey Oil and Gas Inv. Map OM-126, sheet 2, scale 1:1,000,000.
- Denny, C. S., and others, 1968, A descriptive catalog of selected aerial photographs of geologic features in the United States: U.S. Geol. Survey Prof. Paper 590, p. 7-8.

- Detterman, R. L., 1953, Northern Alaska [Sagavanirktok-Anaktuvuk region], in Péwé, T. L., and others, Multiple glaciation in Alaska: U.S. Geol. Survey Circ. 289, p. 11-13.
- Detterman, R. L., 1956a, New and redefined nomenclature of Namushuk group, in Gryc, George, and others, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 233-244.
- _____, 1956b, New member of Seabee formation, Colville group, in Gryc, George, and others, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 253-254.
- _____, 1959, Geology of the central part of the northern foothills, Arctic Slope, Alaska [abs.]: Geophysics, v. 24, no. 5, p. 1138.
- Detterman, R. L., 1970a, Analysis of Shublik Formation rocks from Mt. Michelson quadrangle, Alaska: U.S. Geol. Survey open-file report, 4 sheets.
- _____, 1970b, Early Holocene warm interval in northern Alaska: Arctic, v. 23, no. 2, p. 130-132.
- _____, 1970c, Sedimentary history of the Sadlerochit and Shublik Formations in northeastern Alaska, in Geological seminar of the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. 01-013.
- _____, 1971, Arctic Mesozoic correlation chart: U.S. Geol. Survey open-file report.
- _____, 1973, Mesozoic sequence in Arctic Alaska, in Arctic Geology: Am. Assoc. Petroleum Geologists Mem. 19, p. 376-387; 1970, abs. in Internat. Arctic Geology Symposium, 2d, San Francisco, 1971, Abs. Papers: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2477.

- Detterman, R. L., 1974, Fence diagram showing lithologic facies of the Sadlerochit Formation (Permian and lower Triassic), north-eastern Alaska: U.S. Geol. Survey Misc. Field Studies Map MF-584, 1 sheet.
- Detterman, R. L., and Bickel, R. S., 1952, Preliminary report on the stratigraphy and structure of the Grandstand and Hawk anticlines and vicinity: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 41, 19 p.; open-file, 1954.
- _____, 1953, Stratigraphy and structure of part of Big Bend anticline, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 43, 4 p.; open-file, 1954.
- Detterman, R. L., Bickel, R. S., and Gryc, George, 1963, Geology of the Chandler River region, Alaska -- Exploration of Naval Petroleum Reserve No. 4 and adjacent areas, northern Alaska, 1944-1953; Pt. 2, Aerial geology: U.S. Geol. Survey Prof. Paper 303-E, p. 233-324.
- Detterman, R. L., Bowsher, A. L., and Dutro, J. T., Jr., 1958, Glaciation on the Arctic slope of the Brooks Range, northern Alaska: Arctic, v. 11, p. 43-61.
- Detterman, R. L., and Mathewson, D. E., 1947, Preliminary report on the stratigraphy and structure of the area of the Colville River between Ninuluk and Prince Creeks, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 12, 4 p.; open-file, 1954.
- Detterman, R. L., Reiser, H. N., Brosgé, W. P., and Dutro, J. T., Jr., 1975, Post-carboniferous stratigraphy, northeastern Alaska: U.S. Geol. Survey Prof. Paper 886, 46 p.
- Detterman, R. L., Webber, E. J., and Mathewson, D. E., 1948, Stratigraphy and structure of the area of the Colville River between Ninuluk Creek and Umiat Mountain, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 15, 9 p.; open-file, 1954.
- Director, Naval Petroleum Reserves, 1950, Recommendations for proposed changes in drilling program for 1950, including Geology and geophysics in the vicinity of East Simpson, North Simpson, and Topagoruk proposed test wells: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-1, 22 p., 6 pls.; open-file, 1954.
- Donnell, J. R., Tailleux, I. L., and Tourtelot, H. A., 1968, Northern Alaskan oil shale [abs.]: Geol. Soc. America Spec. Paper 101, p. 56.
- Donohue, G. C., 1952, Seismograph survey report of the Kaolak to Carbon Creek, Utukok River and Driftwood areas (party 146): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-4, 8 p., 8 pls.; open-file, 1954.

- Donovan, T. J., and TAILLEUR, I. L., 1975, Map showing paleocurrent and clast-size data from the Devonian-Mississippian Endicott group, northern Alaska: U.S. Geol. Survey Misc. Field Studies Map MF-692.
- Doolittle, K. E., 1951, Party manager's field report, party 144, 1950-51 season: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-7, 16 p.; open-file, 1954.
- Doolittle, K. E., Schamburg, J. D., and Feaster, Quentin, 1952, Party managers' reports (parties 144-146) [Castle Mtn.-Chandler River, E. Uniat-Kuparuk, Kavlak, Carbon Creek, Utukok, Driftwood areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-7, 17 p., 6 pls.; open-file, 1954.
- Duncan, D. C., and Swanson, V. E., 1965, Marine shale, Alaska, in Organic-rich shale of the United States and world land areas: U.S. Geol. Survey Circ. 523, p. 14.
- Dutro, J. T., Jr., 1951, Devonian faunas of the western Brooks Range, Alaska [abs.]: Geol. Soc. America Bull., v. 62, no. 12, pt. 2, p. 1434.
- _____, 1952, Stratigraphy and paleontology of the Noatak and associated formations, Brooks Range, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 33, 144 p.; abs. 1953 in Geol. Soc. America Bull., v. 64, no. 12, pt. 2, p. 1415; open-file, 1954.
- Dutro, J. T., Jr., 1953, Stratigraphy and paleontology of the Noatak and associated formations, Brooks Range, Alaska: New Haven, Conn., Yale Univ. PhD. thesis.
- _____, 1956, Annotated bibliography of Alaskan Paleozoic paleontology: U.S. Geol. Survey Bull. 1019-H, p. 253-287.
- _____, 1959a, Correlation chart of Paleozoic rocks in Alaska: U.S. Geol. Survey open-file report, 1 sheet.
- _____, 1959b, Correlation of Paleozoic rocks in Alaska: Canadian Oil and Gas Industries, v. 12, no. 12, p. 53.
- _____, 1960, Correlation of Paleozoic rocks in Alaska [abs.]: Internat. Symposium on Arctic Geology, Calgary, 1960; 1961 in Geology of the Arctic, V. 1: Toronto, Ontario, Toronto Univ. Press, p. 597.
- _____, 1961, Correlation of the Arctic Permian, in Geological Survey research 1961: U.S. Geol. Survey Prof. Paper 424-C, p. C225-C228.
- _____, 1970, Pre-carboniferous carbonate rocks, northeastern Alaska, in Geological seminar of the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. M1-M7; discussion, p. M8.

- Dutro, J. T., Jr., and Armstrong, A. K., 1970, Biostratigraphy of carboniferous of northern Alaska [abs.], in Internat. Arctic Geology Symposium, 2d, San Francisco, 1971, Abs. Papers: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2478.
- Dutro, J. T., Jr., Brosge, W. P., and Reiser, H. N., 1972, Significance of recently discovered Cambrian fossils and reinterpretation of Neruokpuk Formation, northeastern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 56, no. 4, p. 808-815.
- Dutro, J. T., Jr., Bowsher, A. L., and Brosge, W. P., 1951, Facies in Carboniferous rocks of northern Alaska [abs.]: Geol. Soc. America Bull., v. 64, no. 12, pt. 2, p. 1434-1435.
- Dutro, J. T., and Lachenbruch, M. C., 1950, Preliminary report on the stratigraphy and structure of the Mimiuktuk, Kuguruk, and part of the Noatak Rivers area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 35, 21 p.; open-file, 1954.
- Dutro, J. T., Jr., Lachenbruch, M. C., and Lachenbruch, A. C., 1951, Stratigraphy and structure of the western Noatak district, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Report 39, 26 p.; open-file, 1954.
- Dutro, J. T., Jr., and Payne, T. G., 1954, Geologic map of Alaska: U.S. Geol. Survey Geol. Map, scale 1:2,500,000.
- Dutro, J. T., Jr., Reiser, H. N., Detterman, R. L., and Brosge, W. P., 1971, Early Paleozoic fossils in the Neruokpuk Formation, northeastern Alaska: U.S. Geol. Survey open-file report, 5 p.
- Dutro, J. T., Jr., and Saldukas, R. B., 1973, Permian paleogeography of the Arctic: Jour. of Research of the U.S. Geol. Survey, v. 1, no. 5, p. 501-507.
- Eberlein, G. D., Chapman, R. M., and Reynolds, C. D., 1950, The stratigraphy and structure of the Aupuk anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 38, 13 p.; open-file. 1954.
- Feaster, Q. F., 1953, Party manager's report of the Shavirovik area (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-3, 8 p., 2 pls.; open-file, 1954.

- Fellows, R. E., 1946, Significance and preliminary results of heavy mineral studies in northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 8, 7 p.; open-file, 1954.
- Ferrians, O. J., Jr., 1965, Permafrost map of Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-445, scale 1:2,500,000; 1966 in Internat. Conf. on Permafrost, Lafayette, Ind., 1963, Proc.; Natl. Acad. Sci.-Natl. Research Council Pub. 1287, p. 172.
- Ferrians, O. J., Jr., 1971a, Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Philip Smith Mountains quadrangle: U.S. Geol. Survey open-file report, 2 p.
- _____ 1971b, Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Beechey Point and Sagavanirktok quadrangles: U.S. Geological Survey open-file report.
- Ferrians, O. J., Jr., 1972, ERTS and arctic engineering geology in Alaska, p. 153-154, in Summaries: Internat. Symposium on Remote Sensing of Environment, 8th Ann Arbor, Mich., Oct. 1972, Proc., 157 p.
- Ferrians, O. J., Jr., 1974, Special permafrost-related engineering-geologic problems posed by a buried cold pipeline [abs.]: Assoc. Eng. Geologists 17th Ann. Mtg., Denver, Colo., Oct. 14-19, 1974, Program and Abs., p. 24.
- _____ 1974, Permafrost in relation to climate [abs.]: Geol. Soc. America Abs. with Programs, 1974 Ann. Mtg., v. 6, no. 7, p. 733.
- Ferrians, O. J., Jr., and Hobson, G. D., 1973, Mapping and predicting permafrost in North America; a review, 1963-1973, p. 479-498, in Permafrost, the North American contribution to the Second International Conference: Natl. Acad. Sci., Washington, D.C., 783 p.
- Ferrians, O. J., Jr., and Kachadoorian, Reuben, 1973, Permafrost-related engineering problems and the trans-Alaska pipeline [abs.]: Geol. Soc. America Abs. with Programs 1973, v. 5, no. 1, Cordilleran Sec., p. 41-42.
- Ferrians, O. J., Jr., Kachadoorian, Reuben, and Greene, G. W., 1969, Permafrost and related engineering problems in Alaska: U.S. Geol. Survey Prof. Paper 678, 37 p.
- Feulner, A. J., 1964, Galleries and their use for development of shallow ground-water supplies with special reference to Alaska: U.S. Geol. Survey Water-Supply Paper 1809-E, p. F1-F16.

- Feulner, P. J., Childers, J. M., and Norman, V. W., 1971, Water resources of Alaska: U.S. Geol. Survey open-file report, 130 p.
- Feulner, A. J., and Schupp, R. G., 1963, Seasonal changes in the chemical quality of shallow ground water in northwestern Alaska, in Geological Survey research 1963: U.S. Geol. Survey Prof. Paper 475-B, p. B189-B191.
- Feulner, A. J., and Williams, J. R., 1967, Development of a ground-water supply at Cape Lisburne, Alaska, by modification of the thermal regime of permafrost, in Geological Survey research 1967: U.S. Geol. Survey Prof. Paper 575-B, p. B199-B202.
- Filipone, W. R., 1946, Report of geophysical operations, Umiat area (party 46), with refraction results, Umiat area, by J. A. Legge: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 46-3, 7 p., 3 pls.; open-file, 1954.
- Fischer, W. A., 1949a, The Driftwood anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 9, 4 p.; open-file, 1954.
- _____, 1949b, The Carbon Creek and Awuna anticlines: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 10, 2 p.; open-file, 1954.
- _____, 1949c, Interpretations from aerial photographs of geologic structures of the central Colville River area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 30, 11 p.; open file, 1954.
- Fischer, W. A., 1950, Photogeologic mapping in northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 21, 11 p.; open-file, 1954.
- _____, 1950b, Review and photogeologic evaluation of some selected anticlines in the Maybe Creek area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 27, 7 p., 3 figs.; open-file, 1954.
- _____, 1951, Review and photogeologic evaluation of selected anticlines: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 30, 21 p., 3 maps; open-file, 1954.
- _____, 1953, Photogeologic studies of Arctic Alaska and other areas, in Selected papers on photogeology and photointerpretation: U.S. Research and Devel. Board, Comm. on Geophysics and Geography, p. 207-214, 4 maps.
- _____, 1954, Photogeologic mapping in Alaska: Alaskan Sci. Conf., 3d, Mt. McKinley Natl. Park, Sept. 1952, Proc., p. 29-31.

Fischer, W. A., and Kover, A. N., 1950, Review of the stratigraphy and structure of the Gubik anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 37, 3 p.; open-file, 1954.

Fischer, W. A., and Lathram, E. H., 1973, Concealed structures in arctic Alaska identified on ERTS-1 imagery: Oil and Gas Jour., v. 71, no. 22, p. 97-102.

Flisk, F. K., 1945, Gravity meter operations on Cape Simpson, June to September 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2H, 6 p., photos. p. A-E, 2 pls; Rept. 45-2I, 18 pls.

FitzGerald, Gerald, 1951, Surveying and mapping in Alaska: U.S. Geol. Survey Circ. 101, 24 p.

Folk, S. H., 1945, Summary report on cold weather operations, Naval Construction Battalion 1058: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-1, 7 p.; open-file, 1954.

Foran, W. T., 1944a, A report on the findings of a reconnaissance party to Naval Petroleum Reserve No. 4 and adjacent areas, March 21, 1944, to April 22, 1944: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Rept. 44-1, 33 p., 4 maps.

Foran, W. T., 1944b, Geologic reconnaissance survey, Umiat high, Prince Creek anticline, Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 44-2, 16 p., 3 pls.; open-file, 1954.

_____, 1945, Geological and geophysical report concerning the potential oil possibilities of the Umiat and Cape Simpson areas of Naval Petroleum Reserve No. 4 in northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2, 71 p.; open-file, 1954.

_____, 1946a, Alaska, in van Tuyl, F. M., and others, Review of petroleum geology in 1945: Colorado School Mines Quart., v. 41, no. 3, p. 96-100.

_____, 1946b, Geology of Alaska Naval [Petroleum] Reserve [No. 4]: Oil Weekly, v. 121, no. 10, p. 35-36, 48.

Forbes, R. B., Hamilton, Thomas, Tailleux, I. L. et al, 1971, Tectonic

Implications of blueschist facies metamorphic terranes in Alaska:

Nature; Phys. Sci., v. 234, no. 49, p. 106-108; 1970, abs. in

Internat. Arctic Geology Symposium, 2d, San Francisco, 1971,

Abs. Papers: Am. Assoc. Petroleum Geologists Bull., v. 54, no.

12, p. 2480.

Frischknecht, F. C., and Stanley, W. D., 1970, Airborne and ground electrical resistivity studies along the proposed Trans-Alaska Pipeline System (TAPS) route [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2481.

Gates, G. O., 1948, Evaluation of anticlinal structures as related to petroleum exploration in northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 25, 13 p.; open-file, 1954.

_____, 1954, Northern Alaska, including Naval Petroleum Reserve No. 4, in Developments in Alaska in 1953: Am. Assoc. Petroleum Geologists Bull., v. 38, no. 6, p. 1263-1265.

_____, 1955, Developments in Alaska in 1954: Am. Assoc. Petroleum Geologists Bull., v. 39, no. 6, p. 1118-1123.

_____, 1956, Developments in Alaska in 1955: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 6, p. 1390-1394.

_____, 1962, Exploration and development of oil and gas resources of Alaska, in United Nations Econ. Comm. Asia and Far East (ECAFE), Sub-Comm. Mineral Resources Devel., 2d Symposium on the development of the petroleum resources of Asia and the Far East -- U.S. Contr.: Washington, D. C., U.S. Dept. Interior, p. 102-107.

_____, 1963, Exploration and development of oil and gas resources of Alaska, in Proceedings of the 2d symposium on the development of petroleum resources of Asia and the Far East: United Nations Econ. Comm. Asia and Far East Mineral Resources Devel. Ser. no. 18, v. 1, p. 127-129.

_____, 1964, Geologic and tectonic setting, in Mineral and water resources of Alaska: U.S. 88th Cong., 3d sess., Senate Comm. Interior and Insular Affairs, Comm. Print 31-068, p. 32-39.

Gates, G. O., Grantz, Arthur, and Patton, W. W., Jr., 1968, Geology and natural gas and oil resources of Alaska, in Natural gases of North America; Pt. 1, Natural gases in rocks of Cenozoic age: Am. Assoc. Petroleum Geologists Mem. 9, v. 1, p. 3-48.

Gates, G. O., and Gryc, George, 1961, Structure and tectonic history of Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 45, no. 3, p. 418-419.

_____, Gates, G. O., and Gryc, George, 1963, Structure and tectonic history of Alaska, in Childs, O. E., and Beebe, B. W., eds., The backbone of the Americas, a symposium: Tulsa, Okla., Am. Assoc. Petroleum Geologists Mem. 2, p. 264-277.

Gilbert, E. W., 1949a, Report of well velocity survey, South Barrow test well no. 3: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-20, 4 p., 3 pls.; open-file, 1954.

_____, 1949b, Well velocity survey report, Oumalik test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-39, 4 p., 3 pls.; open-file, 1954.

Girty, G. H., 1906, Report on fossil invertebrates of the Cape Lisburne region, Alaska: U.S. Geol. Survey Bull. 278, p. 22-26.

Gold, L. W., and Lachenbruch, A. H., 1973, Thermal conditions in permafrost--a review of North American literature, p. 3-25, in Permafrost, North American contribution to Second International Conference: Natl. Acad. Sci., Washington, D. C., 783 p.

Gordon, Mackenzie, Jr., 1955, Alaskan Carboniferous goniatites [abs.]: Geol. Soc. America Bull., v. 66, no. 12, pt. 2, p. 1565.

_____, 1957, Mississippian cephalopods from northern and eastern Alaska: U.S. Geol. Survey Prof. Paper 283, 61 p.

Gordon, M., Jr., 1971, Goniatiter americanus n. sp., a late Meramec

(Mississippian) index fossil, in Geological Survey research 1971:

U.S. Geol. Survey Prof. Paper 750-C, p. C39-C43.

Grant, B. N., 1948a, Report of refraction seismograph survey of the Barrow-Meade area (party 47): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-3, 3 p., 1 pl.; open-file, 1954.

_____, 1948b, Report of a reflection seismograph survey of the Barrow area (party 47): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-6, 5 p., 2 pls., 8 maps; open-file, 1954.

Grant, B. N., Doolittle, K. E., and Palenske, Arnold, 1948, Seismograph report [south of Barrow, Teshekpuk prospect]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-4, 6 p., 3 pls.; open-file, 1954.

Grantz, Arthur, and Zietz, Isidore, 1962, Regional aeromagnetic surveys for petroleum in Alaska, in United Nations, Econ. Comm. Asia and Far East (ECAFE), Sub-Comm. Mineral Resources Devel. 2d Symposium on the development of the petroleum resources of Asia and the Far East -- U.S. Contr.: Washington, D. C., U.S. Dept. Interior, p. 108-117.

_____, 1963, Regional aeromagnetic surveys for petroleum in Alaska, in Proceedings of the 2d symposium on the development of petroleum resources of Asia and the Far East: United Nations Econ. Comm. Asia and Far East, Mineral Resources Devel. Ser. no. 18, v. 1, p. 381-384.

Grantz, A., Hanna, W. F., and Wallace, S. L., 1971, Chukchi Sea seismic reflection profiles and magnetic data, 1970, between northern Alaska and Herald Island: U.S. Geol. Survey open-file report, 34 p.

_____, 1972, Chukchi Sea seismic reflection and magnetic profiles, 1971, between northern Alaska and Herald Island: U.S. Geol. Survey open-file report, 40 p.

Grantz, Arthur, Hanna, W. F., and Wolf, S. C., 1970, Chukchi Sea seismic reflection and magnetic profiles 1969, between northern Alaska and international date line: U.S. Geol. Survey open-file report.

Grantz, Arthur, Holmes, M. L., and Kososki, B. A., 1975, Geologic framework of the Alaskan continental terrace in the Chukchi and Beaufort Seas: U.S. Geol. Survey Open-file Rept. 75-124, 43 p.

Grantz, A., Holmes, M. L., Riley, D. C., and Wallace, S. L., 1972, Seismic, magnetic, and gravity profiles -- Chukchi Sea and adjacent Arctic Ocean, 1972, pt. 1, seismic reflection profiles: U.S. Geol. Survey open-file report, 19 p.

Grantz, Arthur, McHendrie, A. G., Nilsen, T. H., and Yorath, C. J.,
1974, Seismic reflection profiles on the continental shelf
and slope between Bering Strait and Barrow, Alaska, and
Mackenzie Bay, Canada: U.S. Geol. Survey open-file report,
scale 1:1,000,000.

Grantz, Arthur, McHendrie, A. G., Nilsen, T. H., Yorath, C. J.,
and Phillips, J. D., 1974, Digital magnetic tapes of single
channel seismic reflection profiles on the continental shelf
and slope between Bering Strait and Barrow, Alaska: U.S. Geol.
Survey report PB-232 244.

Grantz, Arthur, Wolf, S. C., Breslau, Lloyd, Johnson, T. C., and
Hanna, W. F., 1970, Reconnaissance geology of the Chukchi Sea
as determined by acoustic and magnetic profiling, in Geological
seminar on the North Slope of Alaska, Palo Alto, Calif., 1970,
Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists
Pacific Sec., p. F1-F28.

Greene, G. W., 1971, The application of infrared remote-sensing techniques
to permafrost-related engineering problems [abs.]: Internat.
Symposium on Arctic Geology, 2nd, San Francisco, Calif., Feb. 1971,
Program Abs., p. 59-61.

_____, 1972, Applications of infrared remote sensing methods to geological
and engineering problems of the Arctic [abs.]: Ann. Earth Resource
Program Rev., 4th, Houston, Tex., Jan. 1972, NASA/MSC, p. 36.

Gryc, George, 1946, Reconnaissance survey of the Lower Kuparuk River area:
U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas
Prelim. Rept. 3, 1 p.; open-file, 1954.

_____, 1947, Progress report on taxonomic and stratigraphic study of macro-
fossils: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and ad-
jacent areas Regular Rept. 7, 10 p.; open-file, 1954.

_____, 1948, Petrographic study of some Lisburne limestone samples: U.S.
Geol. Survey Inv. Petroleum Reserve No. 4 and adjacent areas Regular
Rept. 19, 6 p.; open-file, 1954.

- ____ 1951a, Northern Alaska, in Petroleum possibilities in Alaska: Alaskan Sci. Conf., 2d, Mt. McKinley Natl. Park 1951, Proc., p. 184-188.
- ____ 1951b, Paleontology, in Payne, T. G., and others, Geology of the Arctic slope of Alaska: U.S. Geol. Survey Oil and Gas Inv. Map OM-126, scale 1:1,000,000, 3 sheets, text.
- ____ 1952, Exploration in and near Naval Petroleum Reserve No. 4, in Developments in Alaska in 1951: Am. Assoc. Petroleum Geologists Bull., v. 36, no. 6, p. 1242-1249.
- ____ 1956, Introduction and summary, in Gryc, George, and others, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 209-213.
- ____ 1957, Petroleum exploration in Alaska, [Pt.] 6 of Petroleum exploration in the United States, in Petroleum exploration and research in the United States and a review of world supply, 1957: Washington, D. C., U.S. Bur. Mines and U.S. Geol. Survey, p. 45-47.
- ____ 1958, Brooks Range, in Williams, H., ed., Landscapes of Alaska; their geologic evolution: Berkeley, Calif., California Univ. Press, p. 119-127.
- ____ 1959a, Progress report -- a study of tectonics of Alaska [abs.]: Canadian Oil and Gas Industries, v. 12, no. 12, p. 54; 1961 in Geology of the Arctic, V. 1: Toronto, Ontario, Toronto Univ. Press, p. 596-597.
- ____ 1959b, Northern Alaska, in Miller, D. J., Payne, T. G., and Gryc, George, Geology of possible petroleum provinces in Alaska: U.S. Geol. Survey Bull. 1094, p. 88-112.
- Gryc, George, 1970a, Geologic and geophysical investigations by the U.S. Geological Survey in Alaska in 1969: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 6, p. 1079-1080.
- ____ 1970b, Geologic framework of the North Slope petroleum province (abs.), in Alaska Sci. Conf., 20th, College, 1969, Proc.: Sci. Alaska 1969, p. 46-47.
- ____ 1970c, Geologic research in the Alaskan Arctic environment, in the use of remote sensing ... of natural resources of Alaska: Juneau, Alaska, Dept. of Econ. Devel., p. 48-50.

- _____ 1970d, History of petroleum exploration in northern Alaska, in Geological seminar on the North Slope of Alaska, Palo Alto, Calif., 1970, Proc: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. C1-C8; discussion, p. C9-C10.
- Gryc, George, 1971a, Alaska's possible petroleum provinces: UMR Jour., no. 2, p. 11-17.
- _____ 1971b, Geologic and geophysical investigations by the U.S. Geological Survey in Alaska in 1970: Am. Assoc. Petroleum Geologists Bull., v. 55, no. 7, p. 951-952.
- _____ 1971c, Geologic and geophysical investigations by U.S. Geological Survey in Alaska in 1971: Am. Assoc. Petroleum Geologists Bull., v. 56, no. 7, p. 1179-1180.
- _____ 1971d, Summary of potential petroleum of Region 1 (Alaska and Hawaii) — Alaska, in Future Petroleum Provinces of the United States — their geology and potential: Am. Assoc. Petroleum Geologists Mem. 15, v. 1, p. 55-67.
- Gryc, George, Brosgé, W. P., and Reiser, H. N., 1958, Geology of northeastern Alaska [abs.]: Geol. Soc. America Bull., v. 69, no. 12, pt. 2, p. 1753; Alaskan Sci. Conf., 9th, College 1958, Proc., p. 73-74.
- Gryc, George, Dutro, J. T., Jr., Brosgé, W. P., Tailleux, I. L., and Churkin, Michael, Jr., 1968, Devonian of Alaska, in Internat. Symposium on the Devonian System, Calgary 1967 [Proc.], V. 1: Calgary, Alberta; Alberta Soc. Petroleum Geologists, p. 703-716.
- Gryc, George, and Jensen, R. C., 1954, Results of petroleum exploration in Naval Petroleum Reserve No. 4 and adjacent areas, Alaska: U.S. Geol. Survey open-file report, 8 p.; abs. 1953 in Am. Assoc. Petroleum Geologists Bull., v. 37, no. 5, p. 1133; Alaskan Sci. Conf., 4th, Juneau 1953, Proc., p. 234.
- Gryc, George, and Lathram, E. H., 1946a, Preliminary report on the geology of the Sagavanirktok River area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 2, 5 p.; open-file, 1954.

- 1946b, Stratigraphy and structure of the area south of the Colville River between the mouths of Nimuluk and Prince Creeks: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 4, 4 p., 1 pl.; open-file, 1954.
- Gryc, George, and Mangus, M. D., 1947, Preliminary report on the stratigraphy and structure of the area of the Shaviovik and Canning Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 10, 7 p.; open-file, 1954.
- Gryc, George, and Miller, D. J., 1953, Exploration in and near Naval Petroleum Reserve No. 4, in Developments in Alaska in 1952: Am. Assoc. Petroleum Geologists Bull., v. 37, no. 6, p. 1479-1482.
- Gryc, George, Miller, D. J., and Payne, T. G., 1951, Alaska, in Possible future petroleum provinces of North America: Am. Assoc. Petroleum Geologists Bull., v. 35, no. 2, p. 151-168.
- Gryc, George, and others, 1956, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 209-254.
- Gryc, George, Patton, W. W., Jr., and Payne, T. G., 1951, Present Cretaceous stratigraphic nomenclature of northern Alaska: Washington Acad. Sci. Jour., v. 41, no. 5, p. 159-167.
- Gryc, George, and Tailleux, I. L., 1969a, Availability of petrographic thin-section slides from Naval Petroleum Reserve No. 4, Supplement No. 1; South Barrow test well no. 2; South Barrow test well no. 4, Avak test well no. 1: U.S. Geol. Survey open-file report, 3 p.
- 1969b, Availability of petrographic thin-section slides from Naval Petroleum Reserve No. 4; Simpson test well no. 1; South Barrow test well no. 3; Topagoruk test well no. 1: U.S. Geol. Survey open-file report, 3 p.
- Gryc, George, Tailleux, I. L., and Brosge, W. P., 1969, Geologic framework of the "North Slope" petroleum province: U.S. Geol. Survey open-file report, 15 p., 8 figs.
- Hamilton, Warren, 1970, Continental drift in Arctic (abs.): Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2486;
- 1969, in Geol. Soc. America Spec. Paper 121, p. 510.

- Hanna, W. F., Ruppel, B. D., McHendrie, A. G., and Sikora, R. F.,
1974, Residual magnetic anomaly and free-air gravity anomaly
profiles, 1973, on continental shelf and slope between Bering
Strait and Barrow, Alaska, and MacKenzie Bay, Canada: U.S.
Geol. Survey open-file report, scale 1:1,000,000.
- Harrison, C. R., Dobey, P. L., Gryc, George, et al, 1973, Develop-
ments in Alaska in 1972: Am. Assoc. Petroleum Geologists Bull.,
v. 57, no. 8, p. 1406-1420.
- Hill, T. P., and Werner, M. A., 1972, Chemical composition of
sedimentary rocks in Alaska, Idaho, Oregon, and Washington:
U.S. Geol. Survey Prof. Paper 771, .319 p.
- Holmes, G. W., 1959a, Geological and hydrological investigations at Lake
Peters [north of Mt. Chamberlin] [U.S.] Air Force Cambridge Research
Center, Geophys. Research Directorate Research Note, no. 15, p. 2-6
(Rept. AFCRC-TN-59-256).
- _____, 1959b, The Mt. Chamberlin-Barter Island [Alaska] project, 1959 --
program and operations: [U.S.] Air Force Cambridge Research Center
Geophys. Research Directorate Research Note, no. 29, p. 94 (Rept.
AFCRC-TN-59-661).
- _____, 1959c, Glacial geology of the Mt. Michelson B-2 quadrangle, Alaska,
Pt. 6 of Preliminary report of the Mt. Chamberlin-Barter Island project,
by U.S. Geological Survey, Military Geology Branch: Bedford, Mass.,
U.S. Air Force Cambridge Research Center, Geophys. Research Directorate,
Air Research and Devel. Command, p. 47-60.
- Holmes, G. W., and Lewis, C. R., 1961, Glacial geology of the Mount Chamberlin
area, Brooks Range, Alaska, in Raasch, G. O., ed., Geology of the Arctic:
Toronto, Ontario, Toronto Univ. Press, v. 2, p. 848-864; abs. 1959 in
Canadian Oil and Gas Industries, v. 12, no. 12, p. 55.
- _____, 1965, Quaternary geology of the Mount Chamberlin area, Brooks Range,
Alaska: U.S. Geol. Survey Bull. 1201-B, p. B1-B32.
- Hopkins, D. M., 1959, Cenozoic history of the Bering land bridge: Science,
v. 129, p. 1519-1528.

- ____ 1967, Quaternary marine transgressions, Alaska, in Hopkins, D. M., ed., The Bering land bridge: Stanford, Calif., Stanford Univ. Press, p. 47-90.
- Hopkins, D. M., and Benninghoff, W. S., 1961, Upper Tertiary sediments in Alaska and northwestern Canada [abs.] in Geology of the Arctic, V. 1: Toronto, Ontario, Toronto Univ. Press, p. 598; 1959 in Canadian Oil and Gas Industries, v. 12, no. 12, p. 55.
- Hopkins, D. M., Karlstrom, T. N. V., and others, 1955, Permafrost and ground water in Alaska: U.S. Geol. Survey Prof. Paper 264-F, p. 113-146.
- Howard, W. B., 1949, Inventory and operations report [Geophysical party 44]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-33, 29 p.; open-file, 1954.
- ____ 1952, Seismograph survey report of East Umiat and Kuparuk areas (party 145): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-6, 5 p., 4 pls.; open-file, 1954.
- Howard, W. B., Compton, Lee, Doolittle, Kenneth, and others, 1950, Inventory and operation reports (parties 145-148) [Fish Creek, Colville River, Titaluk, Meade River, Wainwright, Utukok, Topagoruk, Driftwood areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 Rept. 50-23, 241 p.; open-file, 1954.
- Imlay, R. W., 1952, Correlation of the Jurassic formations of North America, exclusive of Canada [northern Alaska]: Geol. Soc. America Bull., v. 63, no. 9, p. 958, 982-983.
- Imlay, R. W., 1953, Callovian (Jurassic) ammonites from the United States and Alaska, Part 2, Alaska Peninsula and Cook Inlet regions: U.S. Geol. Survey Prof. Paper 249-B, p. 41-108.
- ____ 1955, Characteristic Jurassic mollusks from northern Alaska: U.S. Geol. Survey Prof. Paper 274-D, p. 69-96.
- ____ 1959, Succession and speciation of the pelecypod Aucella: U.S. Geol. Survey Prof. Paper 314-G, p. 155-169.
- ____ 1961, Characteristic Lower Cretaceous megafossils from northern Alaska: U.S. Geol. Survey Prof. Paper 335, 74 p.
- ____ 1967, The Mesozoic pelecypods Otapiria Marwick and Lupherella Imlay, new genus in the United States: U.S. Geol. Survey Prof. Paper 573-B, p. B1-B11.

Imlay, R. W., and Detterman, R. L., 1973, Jurassic paleobiogeography

of Alaska: U.S. Geol. Survey Prof. Paper 801, 34 p.

Imlay, R. W., and Reeside, J. E., Jr., 1953, Correlation of the Cretaceous formations of Greenland and Alaska: U.S. Geol. Survey open-file report, 41 p.; 1954 in Geol. Soc. America Bull., v. 65, no. 3, p. 223-246.

Joint Federal State Land Use Planning Commission for Alaska, 1973,

Major ecosystems of Alaska: Map, printed by U.S. Geological Survey.

Jones, D. L., and Grantz, Arthur, 1964, Stratigraphic and structural significance of Cretaceous fossils from Tiglukpuk Formation, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 48, no. 9, p. 1462-1474.

Jones, D. L., and Gryc, George, 1960, Upper Cretaceous pelecypods of the genus Inoceramus from northern Alaska: U.S. Geol. Survey Prof. Paper 334-E, p. 149-165.

Jones, S. H., 1972, (1973), Surface-water investigations at Barrow,

Alaska: U.S. Geol. Survey open-file rept., 16 p.

Jopling, D., and Templeton, J. S., 1945, Preliminary lithologic and paleontologic report on Umiat well no. 1, Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-4, 22 p., map; open-file, 1954.

Kachadoorian, Reuben, 1960, Engineering geology of the Chariot site near Cape Thompson, northwestern Alaska: U.S. Geol. Survey Rept. TEI-753, p. 19-37.

____ 1961a, Geologic aspects of the November 1960 high-explosive test at the Project Chariot site, northwestern Alaska: U.S. Geol. Survey Rept. TEI-784, 17 p.

____ 1961b, Engineering geology of the Chariot test site on Ogotoruk Creek near Cape Thompson, northwestern Alaska: U.S. Geol. Survey Rept. TEI-779, p. 13-27.

____ 1961c, Geologic results of November 1960 Project Chariot high-explosive cratering experiment, Cape Thompson, Alaska, in Geological Survey research 1961: U.S. Geol. Survey Prof. Paper 424-D, p. D368-D371.

____ 1966a, Geographic setting, in Environment of the Cape Thompson region, Alaska: Washington, D. C., U.S. Atomic Energy Comm., p. 45-56.

- ____ 1966b, Engineering geology of the Chariot site, in Environment of the Cape Thompson region, Alaska: Washington, D. C., U.S. Atomic Energy Comm., p. 85-96.
- Kachadoorian, Reuben, Campbell, R. H., Sainsbury, C. L., and Scholl, D. W., 1959, Geology of the Ogotoruk Creek area, northwestern Alaska: U.S. Geol. Survey open-file report, 43 p.
- Kachadoorian, Reuben, and Perrians, O. J., Jr., 1973, Permafrost-related engineering geology problems posed by the trans-Alaska pipeline (abs. in Russian), in Proceedings, Second International Conference on Permafrost, Abstracts of papers: Pub. House (Nauka), Moscow, p. 229-230.
- ____ 1973, Permafrost-related engineering geology problems posed by the trans-Alaska pipeline, p. 684-687, in Permafrost, the North American contribution to the Second International Conference: Natl. Acad. Sci., Washington, D. C., 783 p.
- Kachadoorian, Reuben, Lachenbruch, A. H., Moore, G. W., and Waller, R. M., 1960, Supplementary report on geologic investigations in support of Phase II, Project Chariot in the vicinity of Cape Thompson, northwestern Alaska: U.S. Geol. Survey open-file report, 30 p.
- Kachadoorian, Reuben, and others, 1960, Geologic investigations in support of Project Chariot in the vicinity of Cape Thompson, northwestern Alaska -- Preliminary report: U.S. Geol. Survey Rept. TEE-753, 94 p.
- Kachadoorian, Reuben, Sainsbury, C. L., and Campbell, R. H., 1959, Geologic factors affecting proposed nuclear test near Cape Thompson, northwest Alaska [abs.]: Alaskan Sci. Conf., 10th, Juneau 1959, Proc., p. 109-111; Geol. Soc. America Bull., v. 70, no. 12, pt. 2, p. 1795.
- Karlstrom, T. N. V., 1957, Tentative correlation of Alaskan glacial sequences, 1956: Science, v. 125, no. 3237, p. 73-74.
- Karlstrom, T. N. V., 1960, Surficial deposits of Alaska, in Geological Survey research 1960: U.S. Geol. Survey Prof. Paper 400-B, p. B333-B335.
- ____ 1961, The glacial history of Alaska -- its bearing on paleoclimatic theory: New York Acad. Sci. Annals, v. 95, art. 1, p. 290-340.
- Karlstrom, T. N. V., and others, 1964, Surficial geology of Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-357, scale 1:524,000.
- Keller, A. S., 1950, Petroleum possibilities of the Umiat area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 16, 5 p.; open-file, 1954.
- ____ 1957, Regional geology and petroleum potential of northeastern Alaska [abs.]: Alaskan Sci. Conf., 5th, 1954, Proc., p. 55.

- Keller, A. S., and Detterman, R. L., 1951, Preliminary report on the stratigraphy and structure of the Shaviovik and Upper Sagavanirktok Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 36, 19 p.; open-file, 1954.
- Keller, A. S., and Lathram, E. H., 1949, Discussion of the correlation of the South Barrow test wells: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Spec. Rept. 8, 5 p., 3 figs., 1 pl.; open-file, 1954.
- Keller, A. S., and Morris, R. H., 1952, Preliminary report on the stratigraphy and structure of the Canning and Shaviovik Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 40, 21 p.; open-file, 1954.
- Keller, A. S., Morris, R. H., and Detterman, R. L., 1961, Geology of the Shaviovik and Sagavanirktok Rivers region, Alaska: U.S. Geol. Survey Prof. Paper 303-D, p. 169-222.
- Keller, F., Jr., and Henderson, J. R., Jr., 1947, Aeromagnetic survey of Naval Petroleum Reserve No. 4 and adjacent areas: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 10, 16 p., 11 figs.; open-file, 1954.
- King, P. B., 1969, Northern Cordillera, in *The tectonics of North America -- a discussion to accompany the tectonic map of North America*, scale 1:5,000,000: U.S. Geol. Survey Prof. Paper 628, p. 65-69.
- King, P. B., compiler, 1967, Tectonic features, Alaska: U.S. Geol. Survey Natl. Atlas, sheet 69, scale 1:7,500,000.
- _____, 1969, Tectonic map of North America: Washington, D. C., U.S. Geol. Survey, scale 1:5,000,000.
- Kingston, John, 1946, Geologic photointerpretation report of the outcrop area of the Upper Cretaceous rocks across the southern portion of the NPR-4: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Rept. 45-3, 6 p., pls.; open-file, 1954.
- Knowlton, F. H., 1896, Report on fossil plants collected in Alaska: U.S. Geol. Survey Ann. Rept. 17, pt. 1, p. 876-897.
- _____, 1906, Report on Mesozoic fossil plants from northwestern Alaska: U.S. Geol. Survey Bull. 278, p. 29-30.
- _____, 1914, The Jurassic flora of Cape Lisburne, Alaska: U.S. Geol. Survey Prof. Paper 85-D, p. 39-64.

Kover, A. N., 1950, Summary of porosity and permeability data: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 23, 16 p.; open-file, 1954.

Kreidler, W. L., 1945, Geological reconnaissance of the Nimuluk, Prince Creek areas, party no. 4, June to September, 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2D, 18 p., 3 pls.; open-file, 1954.

Krinsley, D. B., Davies, W. E., Rachlin, J., and Newton, E. G., 1971,

Existing environment of natural corridors from Prudhoe Bay,

Alaska to Edmonton, Canada: U.S. Geol. Survey open-file

report, 104 p.

Krynine, P. D., 1947, Reservoir characteristics indicated by thin section analyses of sand cores from Uliet test no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 9, 11 p., 1 fig., 3 pls.; open-file, 1954.

____ 1948, Petrography and reservoir characteristics of selected Tertiary and Cretaceous sandstone cores from Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 20, 31 p., 13 figs.; open-file, 1954.

____ 1949a, Petrology and reservoir properties of South Barrow test wells no. 1 and no. 2: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 31, 11 p., 5 figs.; open-file, 1954.

____ 1949b, Report on three specimens from South Barrow test well no. 1 with permeability behavior: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 3, 6 p., 6 figs.; open-file, 1954.

____ 1949c, Analysis of sand formation in a deformed geosyncline with special reference to northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 7, 5 p., 3 figs.; open-file, 1954.

____ 1951, Porosity and permeability of Lisburne Limestone specimens collected in 1950, App. A of Brosge, W. P., and Reiser, H. N., Selected sections of Lisburne limestone, Brooks Range, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 40, App. A, 11 p.; open-file, 1954.

____ 1952, Possible formation of reservoirs in Naval Petroleum Reserve No. 4, by vertical tectonic movements: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 38, 8 p., 2 figs.; open-file, 1954.

- Krynine, P. D., and Ferm, J. C., 1952, Petrography and reservoir characteristics of Umiat test well 9: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 34, 16 p., 10 figs.; open-file, 1954.
- Krynine, P. D., and Folk, R. L., 1950, Petrology of the Lisburne limestone: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 22, 25 p.; open-file, 1954.
- Krynine, P. D., Folk, R. L., Rosenfeld, M. A., and Bowsher, A. L., 1950, Porosity and petrography of Lisburne limestone samples from the Kanayut, Nanushuk, and Itkillik Lakes areas, with discussion of the distribution of porous zones in Lisburne limestone by Arthur L. Bowsher, Sr.: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 17, 18 p.; open-file, 1954.
- Lachenbruch, A. H., 1958, Dissipation of the temperature effect of drilling a well in arctic Alaska: U.S. Geol. Survey open-file report, 62 p.
- Lachenbruch, A. H., 1959, Periodic heat flow in a stratified medium
with application to permafrost problems: U.S. Geol. Survey
Bull. 1083-A, p. 1-36.
- _____, 1962, Mechanics of thermal contraction cracks and ice-wedge polygons in permafrost: Geol. Soc. America Spec. Paper 70, 69 p.
- _____, 1966, Contraction theory of ice-wedge polygons; a qualitative discussion, in International Conference on Permafrost, Lafayette, Ind. 1963, Proceedings: Natl. Acad. Sci.-Natl. Research Council Pub. 1287, p. 63-71.
- _____, 1970a, Some estimates of a heated pipeline in permafrost:
U.S. Geol. Survey Water-Supply Paper 632, 16 p.
- _____, 1970b, Some estimates of the thermal effects of a heated pipeline in permafrost: U.S. Geol. Survey Circ. 632, 23 p.
- Lachenbruch, A. H., 1970c, Thermal consideration in permafrost, in Geological seminar of the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. J1-J2; Discussion p. J2-J5.

- Lachenbruch, A. H., and Brewer, M. C., 1959, Dissipation of the temperature effect of drilling a well in Arctic Alaska: U.S. Geol. Survey Bull. 1083-C, p. 73-109.
- _____, 1962, Geothermal evidence for recent climatic change near Barrow, Alaska: Alaskan Sci. Conf., 12th, 1961, Proc., p. 127; also in Geol. Soc. America Spec. Paper 68, p. 117.
- Lachenbruch, A. H., Brewer, M. C., Greene, G. W., and Marshall, B. V., 1962, Temperatures in permafrost, in Temperature, its measurement and control in science and industry, V. 3, Pt. 1, Basic concepts, standards, and methods: New York, Reinhold Publishing Corporation, p. 791-803.
- Lachenbruch, A. H., and Greene, G. W., 1960, Preliminary report of geothermal studies at the Ogotoruk Creek Chariot site, northwestern Alaska: U.S. Geol. Survey Rept. TEI-753, p. 55-62.
- Lachenbruch, A. H., Greene, G. W., and Marshall, B. V., 1960, Geothermal studies at Ogotoruk Creek, AEC Project Chariot test site, northwestern Alaska [abs.]: Geol. Soc. America Bull., v. 71, no. 12, pt. 2, p. 2087.
- _____, 1961a, Preliminary results of geothermal studies at Ogotoruk Creek, AEC Project Chariot test site, northwestern Alaska [abs.]: Alaskan Sci. Conf., 11th, Anchorage 1960, Proc., p. 167; Alaska Oil and Gas Yearbook 1960, p. 85.
- Lachenbruch, A. H., Greene, G. W., and Marshall, B. V., 1961b, Interim report on geothermal studies, Ogotoruk Valley, northwest Alaska: U.S. Geol. Survey Rept. TEI-779, p. 66-79.
- _____, 1966, Permafrost and the geothermal regimes, Chap. 10 in Environment of the Cape Thompson region, Alaska: Washington, D. C., U.S. Atomic Energy Comm., p. 149-163.
- Lachenbruch, A.H., and Marshall, B. V. 1969, Heat flow in the Arctic in U.S. Naval Arctic Research Lab. Dedication Symposium, Fairbanks, Alaska, 1969, Proc.: Arctic, v. 22, no. 3, p. 300-311.
- Lanphere, M. A., 1965, Age of Ordovician and Devonian mafic rocks in northern Alaska, in Geological Survey research 1965: U.S. Geol. Survey Prof. Paper 525-A, p. A101-A102.
- Lathram, E. H., 1947, Revision of report by Robert E. Fellows on the significance and preliminary results of heavy mineral studies in northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Prelim. Rept. 19, 7 p., 3 figs.; open-file, 1954.

- ____ 1949, Heavy mineral zonation of Cretaceous and Tertiary rocks of the central area of northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 29, 5 p., 5 figs.; open-file, 1954.
- ____ 1965a, Preliminary geologic map of northern Alaska: U.S. Geol. Survey open-file map, scale 1:1,000,000.
- ____ 1965b, New analysis of geologic structure of northern Alaska, in Geological Survey research 1965: U.S. Geol. Survey Prof. Paper 525-A, p. A101.
- ____ 1972, Nimbus IV view of the major structural features of Alaska: Science, v. 175, no. 4029, p. 1423-1427.
- ____ 1973a, Analysis of state of vehicular scars on arctic tundra, Alaska: Symposium on Significant Results Obtained from Earth Resources Technology Satellite-1, Third, Natl. Aeronaut. Space Admin., Washington, D. C., December, 1973.
- ____ 1973b, EROS program, ERTS satellites and arctic applications: Proc. Internat. Congress "Arctic Oil and Gas, Problems and Possibilities", 5th, Fondation Francaise d'Etudes Nordique, Le Havre, France, May 1973.
- ____ 1973c, Geologic application of ERTS imagery in Alaska: Symposium on Significant Results Obtained from Earth Resources Technology Satellite-1, Third, Natl. Aeronaut. Space Admin. Washington, D. C., December 1973.
- ____ 1973d, Tectonic framework of northern and central Alaska, in Arctic geology: Am. Assoc. Petroleum Geologists Mem. 19, p. 351-360; 1970, abs. in Internat. Arctic Geology Symposium, 2d, San Francisco, 1971, Abs. Papers: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2493.

Lathram, E. H., and Gryc, George, 1966, New look at geology and petroleum potential of northern Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 50, no. 3, p. 622.

Lathram, E. H., Tailleux, I. L., Patton, W. W., Jr., et al, 1973 Preliminary geologic application of ERTS -1 imagery in Alaska, in Symposium on significant results obtained from the Earth Resources Technology Satellite-1, Volume I, Technical Presentations: U.S. Nat. Aeronautics and Space Admin. Spec. Publ. no. 327, p. 257-264.

National Aeronautics and Space Administration, Washington, D. C.

Leffingwell, E. de K., 1908, Flaxman Island [Alaska], a glacial remnant [Beaufort Sea, at mouth of Canning River]: Jour. Geology, v. 16, p. 56-63.

_____, 1913, A reconnaissance of the Arctic slope of Alaska [abs.]: Washington Acad. Sci. Jour., v. 3, p. 343-344.

_____, 1915, Ground-ice wedges; the dominant form of ground-ice on the north coast of Alaska: Jour. Geology, v. 23, p. 635-654.

_____, 1919, The Canning River region, northern Alaska: U.S. Geol. Survey Prof. Paper 109, 251 p.

Legge, J. A., Jr., 1945, Report on seismograph work for the Bureau of Yards and Docks, June to September 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2G, 9 p., 13 maps; open-file, 1954.

_____, 1946, Seismograph results, Cape Simpson prospect: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 46-2, 3 p., 5 maps; open-file, 1954.

_____, 1947a, Comparison of gravity, magnetic, and seismograph results on Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-1, 4 p., 4 pls.; open-file, 1954.

_____, 1947b, Geophysical surveys for Arctic Contractors at Naval Petroleum Reserve No. 4, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-7, 5 p., 15 pls.; open-file, 1954.

_____, 1947c, Report of well velocity survey of Umiat test well no. 2, Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-8, 2 p., 3 pls.; open-file, 1954.

- ____ 1948, Report of well velocity survey, Simpson test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-1, 5 p., 1 pl.; open-file, 1954.
- Loeblich, H. N., 1947, Progress of microfossil investigations, Naval Petroleum Reserve No. 4, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 8, 9 p., 2 pls.; open-file, 1954.
- ____ 1948a, Progress report on microfossil investigations: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 21, 6 p., 7 pls.; open-file, 1954.
- ____ 1948b, Progress report of microfossil investigations, Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 21, 6 p., 7 pls.; open-file, 1954.
- Loeblich, H. N., 1949a, Progress report on microfossil studies in Washington: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 11, 26 p.; open-file, 1954.
- ____ 1949b, Summary of microfossil investigations, April 1948 to April 1949, with special reference to the Barrow and Simpson areas: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 26, 8 p., app. A,B,C,D, 80 p.; open-file, 1954.
- ____ 1950, Recent stratigraphic revisions in Naval Petroleum Reserve No. 4 and correlations with the Canadian Cretaceous based on Foraminifera: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 18, 13 p., 2 figs.; open-file, 1954.
- Luepke, Gretchen, 1975, Heavy mineral trends in Beaufort Sea: U.S. Geol. Survey Open-file Rept. 75-667, 32 p.
- McCulloch, D. S., and Hopkins, David, 1966, Evidence for an early Recent warm interval in northwestern Alaska: Geol. Soc. America Bull., v. 77, p. 1089-1108.
- McKelvey, V. E., and Wang, F. F. H., 1969, World subsea mineral resources: U.S. Geol. Survey Misc. Geol. Inv. Map, 4 sheets.
- McKenzie, L. A., Nemeth, D. F., and Walker, H. J., 1971, Morphology of two arctic river bars (abs.): Natl. Coastal Shallow Water Res. Conf., Abs., no. 2, p. 146.
- MacNeil, F. S., 1957, Cenozoic megafossils of northern Alaska: U.S. Geol. Survey Prof. Paper 294-C, p. 99-126.
- ____ 1965, Evolution and distribution of the genus *Mya* and Tertiary migrations of Mollusca: U.S. Geol. Survey Prof. Paper 483-G, p. G1-G51.

- _____. 1967, Cenozoic pectinids of Alaska, Iceland, and other northern regions: U.S. Geol. Survey Prof. Paper 553, 57 p.
- MacNeil, F. S., Wolfe, J. A., Miller, D. J., and Hopkins, D. M., 1961, Correlation of Tertiary formations of Alaska: Am. Assoc. Petroleum Geologists Bull., v. 45, no. 11, p. 1801-1809.
- Maddren, A. G., 1912, Geologic investigations along the Canada-Alaska boundary: U.S. Geol. Survey Bull. 520, p. 297-314.
- Maddren, A. G., and Harrington, G. L., 1914, (Geology on) Topographic maps, 141st Meridian, Porcupine River to the Arctic Coast: Washington, D. C., Internat. Boundary Comm.
- _____. 1955, Geologic maps of the area along the Alaska-Canada boundary between the Porcupine River and the Arctic Ocean: U.S. Geol. Survey open-file maps, 10 sheets.
- Maher, J. C., and Trollman, W. M., 1970, Geological literature on the North Slope of Alaska: Tulsa, Okla., Am. Assoc. Petroleum Geologists, 67 p.
- Mamet, B. L., 1970, Foraminiferal biostratigraphy and Carboniferous microfacies, northern Alaska and Yukon (abs.), in Internat. Arctic Geology Symposium, 2d, San Francisco, 1971, Abs. Papers: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2494.
- Mamet, B. L., and Armstrong, A. K., 1972, Lisburne Group, Franklin and Romanzof mountains, northeastern Alaska: U.S. Geol. Survey Prof. Paper no. 800-C, p. C127-C144.
- Mangus, M. D., 1953, Regional interpretation of the geology of the Kongakut-Firth Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 43, 24 p., 1 pl.; open-file, 1954.
- _____. 1954, Geologic reconnaissance of the Kongakut River area [Alaska], in Preliminary geographical survey of the Kongakut-Firth River area, Alaska-Canada: Washington, D. C., U.S. Natl. Park Service, p. 49-56; abs. in Alaskan Sci. Conf., 5th, 1954, Proc., p. 56.
- Mangus, M. D., Detterman, R. L., Lachenbruch, A. H., and Lachenbruch, M. C., 1949, Preliminary report on the stratigraphy and structure of the Etivluk, Nigu, and Kuna Rivers areas, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 26, 13 p.; open-file, 1954.

- _____. 1950, Stratigraphy and structure of the Etivluk and Kuna Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 35, 15 p.; open-file, 1954.
- Marshall, C. H., and Rosendale, A. B., 1953, Structure of the Discovery anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 42, 4 p., 1 fig., 1 pl.; open-file, 1954.
- Marsters, Beverly, Spiker, Elliott, and Rubin, Meyer, 1969, [Sagavanirktok River area], in U.S. Geological Survey radiocarbon dates X: Am. Jour. Sci., Radiocarbon Suppl., v. 11, no. 1, p. 221.
- Marti, E. J., 1945, Operations report on seismograph exploration, June to September, 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2F, 19 p., photos; open-file, 1954.
- Martin, G. C., 1912, Mesozoic stratigraphy of Alaska [abs.]: Geol. Soc. America Bull., v. 23, p. 724-725.
- _____. 1916, Triassic rocks of Alaska: Geol. Soc. America Bull., v. 27, p. 685-718; abs., p. 119.
- _____. 1921, Arctic coast in Preliminary report on petroleum in Alaska: U.S. Geol. Survey Bull. 719, p. 68-70.
- _____. 1926, Arctic slope and northwest Alaska, in The Mesozoic stratigraphy of Alaska: U.S. Geol. Survey Bull. 776, p. 100-130, 262-268, 451-467.
- Marvin, R. F., 1974, A tabulation of K-Ar, Rb-Sr, and Pb- α ages obtained from materials within the United States (including Alaska and Hawaii) during the years 1965 through 1968: U.S. Geol. Survey open-file report, 245 p.
- Matzko, J. J., 1953, Northern Brooks Range, in Reconnaissance for uranium in Alaska: U.S. Geol. Survey Rept. TEI 390, p. 224; 1954, Rept. 440, p. 187; 1955, Rept. 540, p. 214.
- _____. 1955, Phosphate rock from the Brooks Range, northern Alaska -- a preliminary mineralogic report [abs.]: Geol. Soc. America Bull., v. 66, no. 12, pt. 2, p. 1705; Alaskan Sci. Conf., 6th-7th, 1955-56, Proc., p. 85-86.
- Mertie, J. B., 1929a, The pre-Cambrian sequence of Alaska and Yukon Territory with particular reference to the Pelly gneiss [abs.]: Washington Acad. Sci. Jour., v. 19, no. 13, p. 288.

- 1929b, Preliminary report on the Sheenjek River district: U.S. Geol. Survey Bull. 797, p. 99-123.
- 1930, The Chandalar-Sheenjek district: U.S. Geol. Survey Bull. 810, p. 87-139.
- Milek, Andrew, 1952, Geologic interpretation of the Carbon Creek, Archimedes, and Disappointment-Blizzard anticlines: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-9, 13 p., 1 pl.; open-file, 1954.
- 1953a, The tectonics of the Brooks Range: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-6, 35 p., 13 pls.; open-file, 1954.
- Milek, Andrew, 1953b, Tectonics of the Eastern Brooks Mountains: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-7, 11 p., 8 pls.; open-file, 1954.
- Miller, D. J., and others, 1959, Geology of possible petroleum provinces in Alaska, with an annotated bibliography by E. H. Cobb: U.S. Geol. Survey Bull. 1094, 131 p.
- Miller, D. J., MacNeil, F. S., and Wahrhaftig, Clyde, 1960, Correlation of the Tertiary rocks of Alaska: U.S. Geol. Survey open-file report, 1 pl.
- Miller, D. J., Payne, T. G., and Gryn, George, 1957, Geology of possible petroleum provinces in Alaska: U.S. Geol. Survey open-file report, 239 p.
- Mohr, C. L., 1952a, Progress of seismograph surveys, June 30-July 22 (parties 144-146) [Grandstand, Umiat, Driftwood, Schrader, Kuparuk]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-2, 2 p.; open-file, 1954.
- 1952b, Gubik test well no. 2, Preliminary report on geology, March 1952: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-8, 4 p., 2 pls.; open-file, 1954.
- 1953a, Discussion of seismograph work on the Shaviovik anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-5, 5 p.; open-file, 1954.
- 1953b, Regional stratigraphic interpretation of seismic data, Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-8, 11 p., 5 pls.; open-file, 1954.
- Mohr, C. L., Reish, D. J., Barnard, J. L., Lewis, R. W., and Geiger, S. R., 1961, The marine nature of Nuwuk Lake and small ponds of the peninsula at Point Barrow, Alaska: Arctic, v. 14, p. 211-223.

- Moore, G. W., 1960a, Recent eustatic sea-level fluctuations recorded by Arctic beach ridges, in Geological Survey research 1960: U.S. Geol. Survey Prof. Paper 400-B, p. B335-B337.
- _____, 1960b, Observations of coastal processes in the vicinity of Cape Thompson, Alaska, from May 3 to May 9, 1960: U.S. Geol. Survey Rept. TEI-764, p. 24-28.
- _____, 1961, Sorting of beach sediment, northwestern Alaska, in Geological Survey research 1961: U.S. Geol. Survey Prof. Paper 424-C, p. C198-C200.
- _____, 1966, Arctic beach sedimentation, in Wilimovsky, N. J., ed., Environment of the Cape Thompson region, Alaska: Springfield, Va., U.S. Atomic Energy Comm., Clearinghouse for Federal Sci. and Tech. Inf., p. 587-608.
- Moore, G. W., and Cole, J. Y., 1960, Coastal processes in the vicinity of Cape Thompson, Alaska: U.S. Geol. Survey Rept. TEI-753, p. 41-55.
- Moore, G. W., and Giddings, J. L., 1962, Record of 5000 years of Arctic wind direction recorded by Alaskan beach ridges [abs.]: Geol. Soc. America Spec. Paper 68, p. 232.
- Moore, G. W., and Scholl, D. W., 1961, Coastal sedimentation in northwestern Alaska: U.S. Geol. Survey Rept. TEI-779, p. 43-65.
- Morris, R. H., 1950, Heavy mineral analysis of the Barrow, Cape Simpson, and Umiat areas: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 24, 6 p., 6 figs.; open-file, 1954.
- _____, 1952a, Heavy-mineral analysis of sedimentary rocks of northern Alaska: U.S. Geol. Survey open-file report, 68 p.
- _____, 1952b, Heavy mineral studies of northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 31, 18 p., 2 pls.; open-file, 1954.
- _____, 1957, Reconnaissance study of the Marsh anticline, northern Alaska: U.S. Geol. Survey open-file report, 6 p.
- Morris, R. H., and Lathram, E. H., 1951, Heavy mineral studies, in Payne, T. G., and others, Geology of the Arctic slope of Alaska: U.S. Geol. Survey Oil and Gas Inv. Map OM-126, scale 1:1,000,000, 3 sheets, text.
- Miller, S. W., 1945, Permafrost or permanently frozen ground and related engineering problems: U.S. Geol. Survey Spec. Rept., Strategic Eng. Study 62, 2d ed., 231 p.; 1947 by J. W. Edwards, Inc., 231 p.

Munns, E. J., 1951a, Seismograph survey (party 144) [Gubik area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent area Rept. 51-1, 5 p., 1 pl.; open-file, 1954.

____ 1951b, Report (seismic) for March 22 to April 25, Fish Creek area (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 Rept. 51-2, 2 p., 3 pls.; open-file, 1954.

____ 1951c, Report (seismic) for April 26 to June 4, South Fish Creek and Square Lake area (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent area Rept. 51-3, 2 p., 2 pls.; open-file, 1954.

____ 1951d, Seismograph survey report of Square Lake area to June 25 (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent area Rept. 51-6, 6 p., 2 pls.; open-file, 1954.

____ 1951e, Seismograph survey report of Colville River area (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-9, 11 p., 14 pls.; open-file, 1954.

____ 1952, Seismograph survey report of Castle Mountain and Chandler River areas (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-5, 7 p., 5 pls.

Munns, E. J., Howard, W. B., and Donohue, G. C., 1952, Interim reports (parties 144-146), May 15 [Castle Mtn., Umiat-Gubik, Keoluk-Carbon Creek areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-1, 12 p., 4 pls.; open-file, 1954.

Myers, W. H., 1948a, Summary 1948 geophysical surveys for Arctic Contractors at Naval Petroleum Reserve No. 4 [Fish Creek-Teshkpuk Lake area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-17, 5 p., 4 pls.; open-file, 1954.

____ 1948b, Location of the Fish Creek well: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-18, 3 pls., 1 photo; open-file, 1954.

____ 1949a, Geophysical rework 1948-49 for Washington meeting [Cape Simpson area, Ikpikpuk and Titaluk Rivers]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-9, 6 pls.; open-file, 1954.

____ 1949b, Summary of progress reports of geophysical parties for June [Barrow, Meade River, North Oumalik, and Upper Meade River areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-18, 10 p., 21 pls.; open-file, 1954.

- 1949c, Summary of [geophysical] progress reports, July 1949 [N. Oumalik, M. Meade River, Barrow, and Meade-Topaguruk areas], with interpretive comments by E. W. Beltz: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-19, 18 p., 17 pls.
- 1949d, Summary of well velocity survey on South Barrow no. 3 and Fish Creek no. 1 and surface refraction on Lisburne limestone: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-23, 2 p.; open-file, 1954.
- 1949e, Summary of 1949 geophysical surveys on Naval Petroleum Reserve No. 4 [4 seismic crews, 1 airborne gravity crew, Meade, Barrow, and Wainwright areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-31, 11 p., 7 figs., 13 pls.; open-file, 1954.
- 1949f, Geological interpretation of seismic results, Naval Petroleum Reserve No. 4 [Meade, Fish Creek, Barrow-Simpson complexes]: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Rept. 49-32, 5 p., 5 pls.; open-file, 1954.
- 1949g, Recommendations and outline 1950 seismograph work, Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-37, 2 p., 1 fig., 1 pl.; open-file, 1954.
- 1950a, Effect of permafrost variation under Lake Minga on seismic results: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-2, 5 p., 4 figs.
- 1950b, Summary of interim reports for geophysical parties for month March to April 1950 [Fish Creek, Middle Meade, Wainwright, and Topaguruk areas, parties 144-147]: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Rept. 50-5, 16 p., 17 pls.
- Myers, W. H., 1950c, Summary of interim reports for geophysical parties for month of April to May 1950 [Fish Creek, Middle Meade, Wainwright, Topaguruk, Lake Minga, Oumalik areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-9, 14 p., 16 pls.; open-file, 1954.
- 1950d, Summary of interim reports for geophysical parties for month of May to June 1950 [Colville River, Middle Meade, Wainwright, South Simpson, Driftwood, Meade areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-10, 10 p., 14 pls.; open-file, 1954.
- 1950e, Summary of interim reports for geophysical parties for month of June to July 1950 [Colville River, Middle Meade, Wainwright, South Simpson, Driftwood areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-11, 18 p., 13 pls.; open-file, 1954.

- ____ 1950f, Summary of interim reports for geophysical parties for month of July to August 1950 [Titaluk, Middle Meade, Utukok, South Simpson, Topagoruk, Driftwood, and Wainwright areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-12, 17 p., 20 pls.; open-file, 1954.
- ____ 1950g, Summary of geophysical operations on NPR-4 including results of 1950 field operations, compilation of all geophysical data, geological interpretation of geophysical results, recommended 1951 geophysical program: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-20, 20 p., 16 figs., 10 pls.; open-file, 1954.
- ____ 1951a, Review of geophysical data on potential traps [Topagoruk, Kaolak, Skull Cliff, Barrow, Simpson, Meade, Titaluk, Square Lake, Sentinel Hill]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-5, 6 p., 9 pls.; open-file, 1954.
- ____ 1951b, Geophysical prospecting for oil through permafrost: Natl. Research Council Bull. 122, p. 73-74.
- Nauman, J. W., and Kernodle, D. R., 1973, Field water-quality information along the proposed trans-Alaska pipeline corridor, September 1970 through September 1972: U.S. Geol. Survey open-file report 22 p.
- Nauman, J. W., and Kernodle, D. R., 1974, Aquatic organisms from selected sites along the proposed trans-Alaska pipeline corridor, September 1970 to September 1972: U.S. Geol. Survey open-file report, 23 p.
- Operating Committee, Naval Petroleum Reserve No. 4, 1950, Report of 1950 operations and proposed integrated 1951 program by Fairbanks combined staff: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-22, 65 p., 8 figs., 14 pls.; open-file, 1954.
- Orth, D. J., 1967, Dictionary of Alaska place names: U.S. Geol. Survey Prof. Paper 567, 1084 p.
- Orth, D. J., 1970, North Slope geographic name sources for geologic nomenclature in Geological seminar on the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. R1-R10.

Page, R. A., Boore, D. M., Joyner, W. B., and Coulter, H. W., 1972,

Ground motion values for use in the seismic design of the trans-

Alaska pipeline system: U.S. Geol. Survey Water-Supply Paper

672, 23 p.

Paige, Sidney, Foran, W. T., and Gilluly, James, 1925, A reconnaissance of the Point Barrow region, Alaska: U.S. Geol. Survey Bull. 772, 33 p.

Paine, M. V., 1945, Geological reconnaissance of Square Lake area, Party No. 2, June to September 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2B, 7 p., 3 pls., 1 map; open-file, 1954.

Palenske, Arnold, 1948, Report on seismograph survey (party 43) for Arctic Contractors at Naval Petroleum Reserve No. 4, Alaska [Fish Creek, Teshekpuk, and Oumalik prospects]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-11, 6 p., 1 pl.; open-file, 1954.

Palenske, Arnold, 1949a, [Geophysical] report for month of March 1949 [party 45, Meade River prospect]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-8, 3 p., 5 pls.; open-file, 1954.

1949b, [Geophysical] report for month of April 1949 [party 45, Meade River prospect]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-11, 3 p., 4 pls.; open-file, 1954.

1949c, [Geophysical] report for month of May 1949 [party 45, Meade River area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-14, 3 pl., 3 pls.; open-file, 1954.

1949d, Seismograph survey 1949, Meade River area [party 45]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-26, 7 p., 13 pls.; open-file, 1954.

1950, Seismograph survey, Middle Meade area (party 145): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-15, 7 p., 7 figs., 7 pls.; open-file, 1954.

Palenske, Arnold, Spittel, R. J., Jr., and Grant, B. N., 1948, Seismograph work for 1948 season up to June 1, 1948 [Teshekpuk, Fish Creek, and Barrow-Meade areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-2, 10 p.; open-file, 1954.

- Patterson, S. O., 1947a, [Seismograph survey] operations report, party 46: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-2, 25 p., 8 photos; open-file, 1954.
- ____ 1947b, Seismograph survey report for Arctic Contractors at Naval Petroleum Reserve No. 4 (party 47): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-6, 11 p., 8 pls.; open-file 1954.
- Patton, W. W., Jr., 1948, Geological results of test pit operations at Cape Simpson, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 22, 4 p., 2 figs., 1 pl.; open-file, 1954.
- ____ 1955, Phosphate deposits in northern Alaska: U.S. Geol. Survey open-file report, 12 p., 1 map; abs. in Geol. Soc. America Bull., v. 66, no. 12, pt. 2, p. 1707.
- ____ 1956a, New formation of Jurassic age, in Gryc, George, and others, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 213-218.
- ____ 1956b, New and redefined formations of Early Cretaceous age, in Gryc, George, and others, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 219-223.
- ____ 1957, A new upper Paleozoic formation, central Brooks Range, Alaska: U.S. Geol. Survey Prof. Paper 303-B, p. 40-45.
- Patton, W. W., Jr., 1959a, Geology of the central part of the Southern Foothills, Arctic Slope, Alaska [abs.]: Geophysics, v. 24, no. 5, p. 1138.
- ____ 1959b, Geology of the upper Killik-Itkillik region, Alaska: U.S. Geol. Survey open-file report, 142 p.; abs. 1960 in Dissert. Abs., v. 20, no. 8, p. 3261-3262.
- ____ 1964a, Mineral fuel resources -- northern and interior Alaska, in Mineral and water resources of Alaska: U.S. Cong., 88th, 2d sess., Comm. Print, p. 62-75.
- ____ 1964b, Petroleum and natural gas in northern and interior Alaska, in Mineral and water resources of Alaska: U.S. Geol. Survey Rept. to Comm. on Interior and Insular Affairs, U.S. Senate, p. 62-77.
- Patton, W. W., Jr., and Grantz, Arthur, 1962, Tectonic implications of some new Mesozoic stratigraphic data on Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 46, no. 2, p. 274-275.

- Patton, W. W., Jr., and Keller, A. S., 1950, Preliminary report on the stratigraphy and structure of the upper Nanushuk-Siksikpuk Rivers area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 30, 20 p.; open-file, 1954.
- _____, 1951, Stratigraphy and structure of the upper Siksikpuk-Nanushuk Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 42, 20 p., 3 figs., 4 pls.; open-file, 1954.
- Patton, W. W., Jr., Mangus, M. D., and Brosge, W. P., 1951, Preliminary report on the geology of the Okokmilaga and John Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 38, 13 p., 1 fig., 4 pls.; open-file, 1954.
- Patton, W. W., Jr., and Matzko, J. J., 1959, Phosphate deposits in northern Alaska: U.S. Geol. Survey Prof. Paper 302-A, p. 1-17.
- Patton, W. W., Jr., and Tailleux, I. L., 1949, Preliminary report on the stratigraphy and structure of the Okpikruak and Kiruktagiak Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 25, 15 p.; open-file, 1954.
- _____, 1950, Stratigraphy and structure of the Okpikruak and Kiruktagiak Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 34, 17 p., 1 fig., 3 pls.; open-file, 1954.
- _____, 1964, Geology of the Upper Killik-Itkillik region, Alaska: U.S. Geol. Survey Prof. Paper 303-G, p. 409-499.
- Payne, T. G., 1948, Areal evaluation of petroleum possibilities of major stratigraphic units in northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 24, 16 p., 10 pls.; open-file, 1954.
- Payne, T. G., 1949, Sedimentation analysis of recent drilling developments and geologic field work: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 14, 1 p., 5 figs., 1 pl.; open-file, 1954.
- _____, 1950, Revision of the facies patterns of NPR-4 and adjoining areas: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 28, 7 p., 14 figs.; open-file, 1954.
- _____, 1955, Mesozoic and Cenozoic tectonic elements of Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-84, scale 1:5,000,000; reprinted, 1959.

- Payne, T. G., and Gryc, George, 1951, Alaska petroleum in relation to geologic history [abs.]: Geol. Soc. America Bull., v. 62, no. 12, pt. 2, p. 1557.
- Payne, T. G., Gryc, George, and Patton, W. W., Jr., 1950, Present stratigraphic nomenclature of northern Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 20, 5 p.; open-file, 1954.
- Payne, T. G., Myers, W. H., and Bergquist, H. R., 1950, An interpretation of the subsurface stratigraphy of Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 15, 1 p., 5 figs.; open-file, 1954.
- Payne, T. G., and others, 1946, Stratigraphy and structure of the area of the Killik, Chandler, Anaktuvuk, and Colville Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 1, 30 p., 6 figs.; open-file, 1954.
- _____, 1951, Geology of the Arctic slope of Alaska: U.S. Geol. Survey Oil and Gas Inv. Map OM-126, scale 1:1,000,000, 3 sheets, text.
- Pecora, W. T., 1970, The need for mapping and inventorying natural resources, in The use of remote sensing ... of natural resources of Alaska: Juneau. Alaska. Dept. of Econ. Devel.. p. 30-32.
- Pennsylvania State College Laboratory, 1948a, Core analyses report on Simpson test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 11, 8 p., 2 figs.; open-file, 1954.
- _____, 1948b, Core analysis on core samples from South Barrow test well no. 1, with comments on variations in porosity and permeability determinations in cores, by Ernest H. Lathram: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 2, 4 p., 2 figs.; open-file, 1954.
- _____, 1949, Core analysis on core samples from South Barrow test well no. 2: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 6, 2 p., 1 fig.; open-file, 1954.
- Peterson, R. A., 1949, Report, seismograph air shooting test, Naval Petroleum Reserve No. 4, August 1948 [20 mi. south of Teshekpuk Lake]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-24, 13 p., 3 figs.; open-file, 1954.
- Peterson, R. A., and Harding, M. W., 1949, Chandler Lake, refraction seismograph survey: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-22, 3 p., 3 pls.; open-file, 1954.

- Péwé, T. L., 1964a, Ice wedges in Alaska -- classification, distribution, and climatic significance [abs.]: Geol. Soc. America Spec. Paper 76, p. 129.
- _____, 1964b, New type large-scale sorted polygons near Barrow, Alaska [abs.]: Geol. Soc. America Spec. Paper 76, p. 301; Sci. Alaska, 1963, p. 230-231.
- _____, 1965, Notes on the physical environment of Alaska; Alaskan Sci. Conf., 15th, College 1964, Proc., p. 293-310.
- _____, 1966, Ice-wedges in Alaska -- classification, distribution, and climatic significance, in International Conference on Permafrost, Lafayette, Ind. 1963, Proceedings: Natl. Acad. Sci.-Natl. Research Council Pub. 1287, p. 76-81.
- _____, 1969, Loess deposits of Alaska, in International Geological Congress, 23d, Prague 1968, Proceedings, Sec. 8, Genesis and classification of sedimentary rocks: Prague, Academia, p. 297-309.
- Péwé, T. L., 1970, Permafrost and vegetation on floodplains of subarctic rivers (Alaska)--a summary [with French abs.], in Ecology of the subarctic regions, V. 1 of Ecology and conservation--a symposium, Helsinki, 1966, Proceedings: Paris, UNESCO, p. 141-142.
- _____, 1973, Ice wedge casts and past permafrost distribution in North America: Geoforum, v. 15, p. 15-26.
- _____, 1974, Permafrost, p. 89-95, in 15th edition Encyclopaedia Britannica, U.S.A.: Helen Hemingway Benton Publishers.
- Péwé, T. L., and Church, R. E., 1962, Age of the spit at Barrow, Alaska: Geol. Soc. America Bull., v. 73, no. 10, p. 1287-1292.
- Péwé, T. L., Hopkins, D. M., and Giddings, J. L., 1965, The Quaternary geology and archaeology of Alaska, in The Quaternary of the United States: Princeton, N. J., Princeton Univ. Press, p. 355-374.
- Péwé, T. L., Hopkins, D. M., and Lachenbruch, A. H., 1959, Engineering geology bearing on harbor site selection along the northwest coast of Alaska from Nome to Point Barrow: U.S. Geol. Survey open-file report, 57 p.; TEI Rept. 678, 59 p.
- Péwé, T. L., and Sellmann, P. V., 1971, Geochemistry of permafrost and Quaternary stratigraphy [abs.]: Geol. Soc. America Bull., v. 3, no. 7, p. 669.
- _____, 1973, Geochemistry of permafrost and Quaternary stratigraphy, p. 166-170, in Permafrost, North American contribution to Second International Conference: Natl. Acad. Sci., Washington, D. C., 783 p.

- Pewe, T. L., and others, 1953, Tentative correlation of glaciations in Alaska, in Multiple glaciations in Alaska, a progress report: U.S. Geol. Survey Circ. 289, p. 12-13.
- Phares, Wayne, 1946, Gravity report for Meade River area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 46-1, 9 p., 33 maps; open-file, 1954.
- Phillippi, W. H., and Cortes, H. C., 1945, Geological reconnaissance of the Maybe Creek, Ikpikpuk, and Colville River area, party no. 3, June to September 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2C, 17 p., 2 maps; open-file, 1954.
- Phillips, E. B., 1948, Operations report (party 47-W), Barrow-Peard Bay area, water seismograph survey at Naval Petroleum Reserve No. 4, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-9, 18 p.; open-file, 1954.
- Phillips, Earl, 1949, Inventory and operations report [Geophysical party 47]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-36, 39 p.; open-file, 1954.
- Piper, A. M., 1966, Potential effects of Project Chariot on local water supplies, northwestern Alaska: U.S. Geol. Survey Prof. Paper 539, 45 p.; open-file report, 1962, 76 p.
- Plafker, George, and Berg, H. C., 1964, Phosphate rock, in Nonmetallic mineral resources [of Alaska]: U.S. 88th Cong., 3d sess., Senate Comm. Interior and Insular Affairs, Comm. Print 31-068, p. 141-143.
- Plummer, H. J., 1948, Stratigraphy and paleontology in the Simpson area, with comments on Mrs. Plummer's report on micropaleontology of the Simpson area, by Helen M. Loeblich: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 1, 25 p.; open-file, 1954.
- Post, Calvin, 1949a, Report on 1948 rework of party 43, 1947, for Arctic Contractors at Naval Petroleum Reserve No. 4 (seismic data, Smith Bay to Ikpikpuk): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-2, 5 p., 6 pls.; open-file, 1954.
- _____, 1949b, [Geophysical] report for month of March, 1949 [party 44, Topagoruk area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-7, 3 p., 4 pls.; open-file, 1954.
- _____, 1949c, [Geophysical] report for month of April 1949 [party 44, Topagoruk-Ikpikpuk Rivers area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-10, 4 p., 3 pls.; open-file, 1954.

- Post, Calvin, 1949d, [Geophysical] report for month of May 1949 [party 44, Oumalik-Topagoruk-Ikpikpuk area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-13, 6 p., 2 pls.; open-file, 1954.
- ____ 1949e, Seismograph survey 1949, Oumalik-Topagoruk-Ikpikpuk areas [party 44]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-25, 14 p., 18 pls.; open-file, 1954.
- Post, Calvin, Spittel, R. J., and Palenske, Arnold, 1948, Geophysical report for July 1948 [Teshekpuk prospect]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 Rept. 48-5, 9 p.; open-file, 1954.
- Ray, R. G., and Fischer, W. A., 1946, Preliminary report on geologic investigations in the Maybe Creek area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 5, 9 p., 4 pls.; open-file, 1954.
- ____ 1947, Stratigraphy and structure of the area of Maybe Creek: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 4, 10 p., 4 pls.; open-file, 1954.
- Reed, B. L., 1968, Geology of the Lake Peters area, northeastern Brooks Range: U.S. Geol. Survey Bull. 1236, 132 p.
- Reed, B. L., and Hemley, J. J., 1966, Occurrence of pyrophyllite in the Kekiktuk conglomerate, Brooks Range, northeastern Alaska, in Geological Survey research 1966: U.S. Geol. Survey Prof. Paper 550-C, p. C162-C166.
- Reed, J. C., 1946, Northern Alaska, in Recent investigations by the U.S. Geological Survey of petroleum possibilities in Alaska: Am. Assoc. Petroleum Geologists Bull., v. 30, no. 9, p. 1441-1443.
- ____ 1949, The [U.S.] Geological Survey in Alaska; field season of 1949: Arctic, v. 2, no. 3, p. 174-182.
- ____ 1958, History of the exploration, Part 1 of Exploration of Naval Petroleum Reserve No. 4 and adjacent areas, northern Alaska, 1944-1953: U.S. Geol. Survey Prof. Paper 301, 192 p.
- Reed, J. C., and Bostock, H. S., 1955, Research in geology and geomorphology in the North American Arctic and subarctic, in Rowley, D., ed., Arctic research: Arctic, v. 7, nos. 3-4, p. 129-140; reprinted in Arctic Inst. North America Spec. Pub. 2.
- Reese, R. G., 1950, Progress report - Subsurface geology, Umiat structure [test wells 1 & 2]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-6, 1 p., 5 pls.; open-file, 1954.

- Reimnitz, E., 1972, Studies of the inner shelf and coastal sedimentation environment of the Beaufort Sea from ERTS-A: U.S. ESSA Tech. Rept. E72-10034, 4 p.
- Reimnitz, E., and Barnes, P., 1972, Sea ice as a geological agent affecting the margin of the Arctic Ocean, Alaska (abs.): Am. Geophys. Union Trans., v. 53, no. 11, p. 1008.
- Reimnitz, E., and Bruder, K. F., 1972, River discharge into an ice-covered ocean and related sediment dispersal, Beaufort Sea, coast of Alaska: Geol. Soc. America, Bull., v. 83, no. 3, p. 861-866.
- Reimnitz, E., and others, 1972, Influence of grounding ice on the Arctic shelf of Alaska: Marine Geology, Elsevier Pub. Co., Amsterdam, v. 13, No. 5, p. 323-324.
- Reimnitz, E., Wolf, S. C., and Rodeick, C. A., 1972, Preliminary interpretation of seismic profiles in the Prudhoe Bay area, Beaufort Sea, Alaska: U.S. Geol. Survey open-file report, 11p.
- Reimnitz, E., Barnes, P. W., and Alpha, T. R., 1973, Bottom features and processes related to drifting ice on the arctic shelf, Alaska: U.S. Geol. Survey, Mineral Inv. Field Studies Map. MF-532, scale 1:1,000,000.
- Reiser, H. N., 1970, Northeastern Brooks Range — a surface expression of the Prudhoe Bay section, in Geological seminar on the North Slope of Alaska, Palo Alto, Calif., 1970, Proc.: Los Angeles, Calif., Am. Assoc. Petroleum Geologists Pacific Sec., p. K1-K13; discussion, p. K 14.
- Reiser, H. N., Brosge, W. P., Dutro, J. T., Jr., and Detterman, K. L., 1971, Preliminary geologic map, Mount Michelson quadrangle, Alaska: U.S. Geol. Survey open-file report.

- Reiser, H. N., Brosge, W. P., Dutro, J. T., Jr., and Detterman, R. L.,
1974, Preliminary geologic map of the Demarcation Point quadrangle, Alaska: U.S. Geol. Survey open-file map, 2 sheets.
- Reiser, H. N., Brosge, W. P., Dutro, J. T., Jr., and Detterman, R. L.,
1974, Preliminary geologic map of the Demarcation Point quadrangle, Alaska: U.S. Geol. Survey Misc. Field Studies Map MF- 610, 1 sheet, scale 1:200,000.
- Reiser, H. N., Dutro, J. T., Jr., Brosge, W. P., Armstrong, A. K.,
and Detterman, R. L., 1970, Progress map, geology of the Sadlerochit and Shublik Mountains, Mt. Michelson C-1, C-2, C-3, and C-4 quadrangles, Alaska: U.S. Geol. Survey open-file report.
- Reiser, H. N., and Tailleur, I. L., 1969, Geologic map of Mt. Michelson quadrangle: U.S. Geol. Survey Prelim. open-file map, scale 1:200,000.
- Roberts, T. G., and Robinson, Florence, 1950, The subsurface stratigraphy and structure of the Simpson area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 25, 5 p., 2 figs., 2 pls.; open-file, 1954.
- Robinson, F. M., 1956, Core tests and test wells, Oumalik area, Alaska, with Paleontology of test wells and core tests in the Oumalik area, Alaska, by H. R. Bergquist: U.S. Geol. Survey Prof. Paper 305-A, p. 1-70.
- _____, 1957, Oil and gas fields of Naval Petroleum Reserve No. 4 and adjacent areas, northern Alaska [abs.]: Geol. Soc. America Bull., v. 68, no. 12, pt. 2, p. 1909-1910; Alaskan Sci. Conf., 8th, Anchorage, Sept. 1957, Proc., p. 130-132 [1959].
- _____, 1958a, Test wells, Gubik area, Alaska, with Micropaleontologic study of the Gubik test wells, northern Alaska, by H. R. Bergquist: U.S. Geol. Survey Prof. Paper 305-C, p. 207-264.
- _____, 1958b, Test well, Grandstand area, Alaska: U.S. Geol. Survey Prof. Paper 305-E, p. 317-339.
- _____, 1959a, Test wells, Simpson area, Alaska, with a section on Core analysis, by S. T. Yuster: U.S. Geol. Survey Prof. Paper 305-J, p. 523-568.
- Robinson, F. M., 1959b, Test wells, Titaluk and Knifeblade areas, Alaska, with Micropaleontologic study of test wells in the Titaluk and Knifeblade areas, northern Alaska, by H. R. Bergquist: U.S. Geol. Survey Prof. Paper 305-G, p. 377-422.
- _____, 1964, Core tests, Simpson area, Alaska: U.S. Geol. Survey Prof. Paper 305-L, p. 645-730.

- Robinson, F. M., and Collins, F. R., 1959, Core test, Sentinel Hill area and test well, Fish Creek area, Alaska: U.S. Geol. Survey Prof. Paper 305-I, p. 485-521.
- Robinson, F. M., and Roberts, T. G., 1949, Suggested correlation in Simpson Seeps region: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 13, 3 p.; open-file, 1954.
- Robinson, F. M., Rucker, F. P., and Bergquist, H. R., 1956, Two subsurface formations of Early Cretaceous age, in Gryc, George, and others, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 223-233.
- Rogers, J. A., and McConnell, A. P., Jr., 1945, Geological reconnaissance of Sentinel Hill area, party no. 1, June to September 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2A, 18 p., 3 pls.; open-file, 1954.
- Romine, W. L., 1953, Seismograph survey report of the Shaviovik area (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-2, 4 p., 2 pls.; open-file, 1954.
- Rubin, M., and Alexander, C., 1958, Arctic slope, Alaska, in U.S. Geological Survey radiocarbon dates IV: Science, v. 127, p. 1476-1487.
- Sable, E. G., 1952a, A new interpretation of the Driftwood anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 36, 5 p., 2 pls.; open-file, 1954.
- _____, 1952b, Shaling studies in the western part of NFR-4 and adjoining areas: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 37, 7 p., 5 pls.; open-file, 1954.
- _____, 1956, New and redefined Cretaceous formations in western part of northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 11, p. 2635-2643.
- Sable, E. G., 1959, Preliminary report on sedimentary and metamorphic rocks in part of the Romanzoff Mountains, Brooks Range, northeastern Alaska: U.S. Geol. Survey open-file report, 84 p.
- _____, 1961, Recent recession and thinning of Okpilak Glacier, northeastern Alaska: Arctic, v. 14, p. 176-187.
- _____, 1965a, Geologic study of Romanzof Mountains, in Geological Survey research 1965: U.S. Geol. Survey Prof. Paper 525-A, p. A100-A101.
- _____, 1965b, Geology of the Romanzof Mountains, Brooks Range, northeastern Alaska: U.S. Geol. Survey open-file report, 218 p.

- Sable, E. G., and Chapman, R. M., 1955, Coals of the Corwin Formation, northwestern Alaska [abs.]: Geol. Soc. America Bull., v. 66, no. 12, pt. 2, p. 1708-1709.
- Sable, E. G., and Dutro, J. T., Jr., 1961, New Devonian and Mississippian formations in DeLong Mountains, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 45, no. 5, p. 585-593.
- Sable, E. G., Dutro, J. T., Jr., and Morris, R. H., 1951, Preliminary report on the stratigraphy and structure of the Driftwood-Noluk area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 39, 28 p.; open-file, 1954.
- Sable, E. G., and Mangus, M. D., 1950a, Preliminary report on the stratigraphy and structure of the Driftwood anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 28, 9 p., 2 pls.; open-file, 1954.
- _____, 1950b, Preliminary report on the stratigraphy and structure of the upper Utukok and Kokolik Rivers area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 29, 17 p., 2 pls.; open-file, 1954.
- _____, 1951a, Stratigraphy and structure of Driftwood anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 44, 9 p., 2 pls.; open-file, 1954.
- _____, 1951b, Stratigraphy and structure of the upper Utukok-Kokolik Rivers area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 45, 19 p., 2 pls.; open-file, 1954.
- Sainsbury, C. L., and Campbell, R. H., 1959, Geologic strip map of part of Kukpuk River, northwestern Alaska: U.S. Geol. Survey open-file report, 10 p., 1 map.
- Sainsbury, C. L., Kachadoorian, Reuben, Campbell, R. H., and Scholl, D. W., 1965, Marine platform of probable Sangamon age, and associated terrace deposits, Cape Thompson area, northwestern Alaska: Arctic, v. 18, no. 4, p. 230-245.
- Sanders, A. B., 1949a, (Geophysical) report, party no. 26, for month of March 1949 [Admiralty Bay, Dease prospect]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-5, 3 p., 6 pls.; open-file, 1954.
- _____, 1949b, [Geophysical] report for month of April 1949 [party 46, Dease Inlet]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-11A, 3 p., 6 pls.; open-file, 1954.

- ____ 1949c, [Geophysical] report for month of May 1949 [party 46, Barrow area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-15, 3 p., 5 pls.; open-file, 1954.
- ____ 1949d, Seismograph operations 1949, Dease and Barrow areas (party 46): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-27, 5 p., 8 photos., 11 pls.; open-file, 1954.
- ____ 1950, Seismograph operations, Fish Creek, Colville River, and Titaluk areas (party 144): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 5014, 6 p., 8 maps, 11 figs.; open-file, 1954.
- Scholl, D. W., and Sainsbury, C. L., 1959, Marine geology and bathymetry of the nearshore shelf of the Chukchi Sea-Ogotoruk Creek area, northwest Alaska: U.S. Geol. Survey Rept. TEI-606; 1960 as open-file report, 68 p.
- ____ 1961a, Marine geology and bathymetry of the Chukchi shelf off the Ogotoruk Creek area, northwest Alaska, in Raasch, G. O., ed., Geology of the Arctic, V. 1: Toronto, Ontario, Toronto Univ. Press, p. 718-732.
- ____ 1961b, Subaerially carved Arctic sea valley under a modern epicontinental sea: Geol. Soc. America Bull., v. 72, no. 9, p. 1433-1435.
- ____ 1966, Marine geology of the Ogotoruk Creek area, in Wilimovsky, N. J., ed., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Comm., Clearinghouse for Federal Sci. and Tech. Inf., Springfield, Va., p. 787-806.
- Schrader, F. C., 1902, Geological section of the Rocky Mountains in northern Alaska: Geol. Soc. America Bull., v. 13, p. 238-252.
- ____ 1904, A reconnaissance in northern Alaska across the Rocky Mountains, along Koyukuk, John, Anaktuvuk, and Colville Rivers and the Arctic coast to Cape Lisburne, in 1901, with notes by W. J. Peters: U.S. Geol. Survey Prof. Paper 20, 139 p.
- Schuchert, Charles, 1896, Report on Paleozoic fossils from Alaska: U.S. Geol. Survey Ann. Rept., 17th, pt. 1, app. 2, p. 898-906.
- Scott, R. A., 1967a, Availability of palynological material from Naval Petroleum Reserve No. 4: I; Simpson test well no. 1, and Simpson core tests nos. 13 and 14: U.S. Geol. Survey open-file report, 2 p.
- ____ 1967b, Availability of palynological material from Naval Petroleum Reserve No. 4, II; Koalak test well no. 1: U.S. Geol. Survey open-file report, 2 p.
- ____ 1968a, Availability of palynological material from Naval Petroleum Reserve No. 4, III; Fast Oumalik test well no. 1: U.S. Geol. Survey open-file report, 2 p.

- 1968b, Availability of palynological material from Naval Petroleum Reserve No. 4, IV; North Simpson test well no. 1: U.S. Geol. Survey open-file report, 2 p.
- 1968c, Availability of palynological material from Naval Petroleum Reserve No. 4, V; Oumalik test well no. 1: U.S. Geol. Survey open-file report, 2 p.
- 1968d, Availability of palynological material from Naval Petroleum Reserve No. 4, VI; South Barrow test well no. 3: U.S. Geol. Survey open-file report, 1 p.
- 1968e, Availability of palynological material from Naval Petroleum Reserve No. 4, VII; Topagoruk test well no. 1 (Supplemental set): U.S. Geol. Survey open-file report, 1 p.
- 1968f, Availability of palynological material from Naval Petroleum Reserve No. 4, VIII; Gubik test well no. 2 (Supplemental set): U.S. Geol. Survey open-file report, 1 p.
- 1968g, Availability of palynological material from Naval Petroleum Reserve No. 4, IX; Gubik test well no. 1 (Supplemental set): U.S. Geol. Survey open-file report, 1 p.
- 1968h, Availability of palynological material from Naval Petroleum Reserve No. 4, X; Avak test well no. 1: U.S. Geol. Survey open-file report, 1 p.
- 1968i, Availability of palynological material from Naval Petroleum Reserve No. 4, XI; Meade test well no. 1: U.S. Geol. Survey open-file report, 1 p.
- Scott, R. A., 1969a, Availability of palynological material from Naval Petroleum Reserve No. 4, XII; Square Lake test well no. 1: U.S. Geol. Survey open-file report, 1 p.
- 1969b, Availability of palynological material from Naval Petroleum Reserve No. 4, XIII; South Barrow test well no. 4, Knifeblade test wells nos. 1, 2, 2A: U.S. Geol. Survey open-file report, 2 p.
- 1969c, Availability of palynological material from Naval Petroleum Reserve No. 4, XIV; Wolf Creek test wells nos. 1, 2, 3; South Barrow test wells nos. 1, 2: U.S. Geol. Survey open-file report, 2 p.
- 1969d, Availability of palynological material from Naval Petroleum Reserve No. 4, XV; Skull Cliff core test no. 1: U.S. Geol. Survey open-file report, 1 p.
- 1969e, Availability of palynological material from Naval Petroleum Reserve No. 4, XVI; Fish Creek test well no. 1: U.S. Geol. Survey open-file report, 1 p.

- ____ 1969f, Availability of palynological material from Naval Petroleum Reserve No. 4, XVII; Sentinel Hill core test no. 1: U.S. Geol. Survey open-file report, 1 p.
- ____ 1969g, Availability of palynological material from Naval Petroleum Reserve No. 4, XVIII; Umiat test wells nos. 1 and 2, East Topagoruk test well no. 1: U.S. Geol. Survey open-file report, 2 p.
- Scott, R. A., 1970, Availability of palynological material from Naval Petroleum Reserve No. 4, XIX; Umiat Test Wells Nos. 3 and 11, Simpson Core Tests 21, 27, 30, 30A: U.S. Geol. Survey open-file report, 2 p.
- Shacklette, H. T., 1965, Bryophytes associated with mineral deposits and solutions in Alaska (Barrow quad.): U.S. Geol. Survey Bull. 1198-C, p. C1-C18.
- Silberling, N. J., 1963, Field guide to halobid and monotid pelecypods of the Alaskan Triassic: U.S. Geol. Survey open-file report, 9 p.
- ____ 1964, Triassic rocks of Brooks Range, in Geological Survey research 1964: U.S. Geol. Survey Prof. Paper 501-A, p. A116.
- Sloan, C. E., 1972, Water-resources reconnaissance of Anaktuvuk Pass, Alaska: U.S. Geol. Survey Alaska Dept. Public Works open-file report, 12 p.
- Sloan, C. E., and Bredehoeft, J. D., 1972, Some effects of a heated pipeline on groundwater flow in Alaska: U.S. Geol. Survey open-file report, 25 p.
- Sloan, C. E., Zenone, Chester, and Mayo, L. R., 1975, Icings along the the Trans-Alaska Pipeline Route: U.S. Geol. Survey Open-file Rept. 75-87, 25 p.
- Smith, J. P., 1927, Northeastern [Firth and Canning River areas] and north-western [Cape Lisburne and Cape Thompson areas], in Upper Triassic marine invertebrate faunas of North America: U.S. Geol. Survey Prof. Paper 141, p. 12, 18.

- Smith, P. S., 1912, Glaciation in northwestern Alaska: Geol. Soc. America Bull., v. 23, p. 563-570; abs. in Science, n.s., v. 35, p. 314.
- _____, 1925, Explorations in northwestern Alaska: Geog. Rev., v. 15, p. 237-254.
- _____, 1926, Oil developments in Alaska: Am. Inst. Mining and Metallurgical Engineers, Petroleum Devel. Technology 1925, p. 653-656; abs. in Mining and Metallurgy, v. 7, no. 232, p. 177.
- Smith, P. S., 1927, Geologic investigations in northern Alaska: U.S. Geol. Survey Bull. 792, p. 111-122.
- _____, 1929, Surveys in northwestern Alaska in 1926: U.S. Geol. Survey Bull. 797, p. 125-142.
- _____, 1933, Geographic and geologic evidence relating to the connection of Siberia and northwestern Alaska: Pacific Sci. Cong., 5th, Victoria and Vancouver, B. C., 1933, Proc., v. 1, p. 753-767.
- _____, 1936, Geology of the Tertiary deposits of Alaska, in Hollick, Arthur, The Tertiary floras of Alaska: U.S. Geol. Survey Prof. Paper 182, p. 24-34, pl. 1.
- _____, 1937, Latent oil resources of Alaska may be of importance to world's future economics: Oil Weekly, v. 84, no. 11, p. 82-84, 88, 90, 94.
- _____, 1939, Areal geology of Alaska: U.S. Geol. Survey Prof. Paper 192, 100 p.
- Smith, P. S., 1941a, Mineral industry of Alaska in 1939: U.S. Geol. Survey Bull. 926-A, p. 1-106.
- _____, 1941b, Possible future oil provinces in Alaska, in Levorsen, A. I., ed., Possible future oil provinces of the United States and Canada: Tulsa, Okla., Am. Assoc. Petroleum Geologists, p. 8-14; Am. Assoc. Petroleum Geologists Bull., v. 25, no. 8, p. 1440-1446.
- Smith, P. S., 1942, Mineral industry of Alaska in 1940: U.S. Geol. Survey Bull. 933-A, p. 1-102.
- _____, 1945, Alaska's potential oil resources [abs.]: Tulsa Geol. Soc. Digest, v. 13, 1944-45, p. 66-67.
- Smith, P. S., and Mertie, J. B., Jr., 1930, Geology and mineral resources of northwestern Alaska: U.S. Geol. Survey Bull. 815, 351 p.
- Smith, P. S., Mertie, J. B., Jr., and Foran, W. T., 1926, Summary of recent surveys in northern Alaska: U.S. Geol. Survey Bull. 783, p. 151-168.

- Snelson, Sigmund, and Tailleux, I. L., 1968, Large-scale thrusting and migrating Cretaceous foredeeps in western Brooks Range and adjacent regions of northwestern Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 52, no. 3, p. 567.
- Sohn, I. G., 1964, Significance of Triassic ostracodes from Alaska and Nevada, in Geological Survey research 1964: U.S. Geol. Survey Prof. Paper 501-D, p. D40-D42.
- Sohn, I. G., 1971, New late Mississippian ostracode genera and species from northern Alaska: U.S. Geol. Survey Prof. Paper 711-A, p. A1-A24.
- Spannare, S. W., 1947a, Report on 1947 surface detail gravimeter survey for Arctic Contractors at Naval Petroleum Reserve No. 4, Alaska (party 44): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-4, 4 p., 1 pl.; open-file, 1954.
- _____, 1947b, Report on airborne gravimeter for Arctic Contractors at Naval Petroleum Reserve No. 4, Alaska (party 44): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-5, 17 p., 12 pls.; open-file, 1954.
- Spannare, S. W., 1949a, Progress report on airborne gravity meter, March 15 to June 30, 1949 [NW slope, Wainwright area, party 249]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-17, 2 p., 1 pl.; open-file, 1954.
- _____, 1949b, Operations report, airborne gravity party and detail ground survey, Barrow [coastal] area 1949 [party 249]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-30, 6 p., 5 pls.; open-file, 1954.
- Spetzman, L. A., 1956, Annotated list of plants of Arctic Slope of Alaska: U.S. Geol. Survey open-file report, 5 p.
- _____, 1959, Vegetation of the Arctic Slope of Alaska: U.S. Geol. Survey Prof. Paper 302-B, p. B19-B58.
- Spittel, R. J., Jr., 1948, Seismograph survey report (party 46) for Arctic Contractors on Naval Petroleum Reserve No. 4 [Fish Creek-Harrison Bay area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-12, 3 p., 7 pls.; open-file, 1954.

Stefansson, Karl, 1947, Preliminary report on the stratigraphy and structure of the area of the Iknavik River, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 16, 3 p.; open-file, 1954.

1948, Stratigraphy and structure of the area of the Iknavik River, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 14, 7 p., 2 figs., 1 pl.; open-file, 1954.

Stefansson, Karl, and Mangus, M. D., 1949, Stratigraphy and structure of the area of the Avalik and Ketik Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 28, 4 p.; open-file, 1954.

Stefansson, Karl, and Thurrell, R. F., Jr., 1948, Stratigraphy and structure of the Wolf Creek anticline, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 13, 3 p., 1 pl.; open-file, 1954.

Stefansson, Karl, Thurrell, R. F., Jr., and Zumberge, J. H., 1947a, Preliminary report on the stratigraphy and structure of the area of the Colville River north of Umiat, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 13, 16 p.; open-file, 1954.

1947b, Preliminary report on the stratigraphy and structure of the Wolf Creek anticline, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 14, 2 p.; open-file, 1954.

1948, Stratigraphy and structure of the area of the Colville River north of Umiat, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 12, 29 p., 3 pls.; open-file, 1954.

Stefansson, Karl, and Whittington, C. L., 1946, Preliminary report on stratigraphy and structure of the Umiat anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 6, 6 p.; open-file, 1954.

1947, Stratigraphy and structure of the Umiat anticline: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 3, 11 p., 4 pls.; open-file, 1954.

Steiner, R. J., 1947, Inventory and operations report, party 43, for Arctic Contractors at Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 47-3, 51 p., 5 photos; open-file, 1954.

1948a, Inventory and operations report (party 47) for Arctic Contractors at Naval Petroleum Reserve No. 4 [south Barrow area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-15, 32 p.; open-file, 1954.

- 1948b, Seismograph operations in winter on Naval Petroleum Reserve No. 4, final report (party 47, south Barrow): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-20, 4 p.; open-file, 1954.
- 1949, Summary of [geophysical] operations for parties 44 [Smith Bay], 45 [Meade River], 46 [Dease Inlet] and 47 [S. Pt. Barrow], 1949: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-38, 16 p.; open-file, 1954.
- Steiner, R. J., 1950, Final operations report for parties 144-148, 249 (seismic) [Driftwood, Oumalik areas]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-19, 24 p., 22 tables; open-file, 1954.
- Swain, F. M., Jr., 1949, Ostracoda from well, shot hole, and outcrop samples in Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 27, 75 p.; open-file, 1954.
- 1959, Quaternary ostracoda from Naval Petroleum Reserve No. 4, northern Alaska [abs.]: Canadian Oil and Gas Industries, v. 12, no. 12, p. 61-62.
- 1960, Ostracoda from the Pleistocene Gubik Formation, Arctic Coastal Plain, Alaska, in Raasch, G. O., ed., Geology of the Arctic: Internat. Symposium Arctic Geology, 1st, Calgary, Alberta, 1960, Proc., p. 600-606; 1961, Toronto, Ontario, Toronto Univ. Press.
- 1963, Pleistocene ostracoda from the Gubik Formation, Arctic Coastal Plain, Alaska: Jour. Paleontology, v. 37, no. 4, p. 798-834, pls. 95-99.
- Tailleux, I. L., 1963, Northern Alaska, in Geological Survey research 1963: U.S. Geol. Survey Prof. Paper 475-A, p. A99.
- 1964a, Rich oil shale from northern Alaska, in Geological Survey research 1963: U.S. Geol. Survey Prof. Paper 475-D, p. D131-D133.
- 1964b, Mapping in Point Hope area, in Geological Survey research 1964: U.S. Geol. Survey Prof. Paper 501-A, p. A115.
- 1965a, Lisburne Hills largely fault sheets, in Geological Survey research 1965: U.S. Geol. Survey Prof. Paper 525-A, p. A102.
- 1965b, Low-volatile bituminous coal of Mississippian age on the Lisburne Peninsula, northwestern Alaska, in Geological Survey research 1965: U.S. Geol. Survey Prof. Paper 525-B, p. B34-B38.

____ 1966a, Clay shale unit traced over extensive area, in Geological Survey research 1966: U.S. Geol. Survey Prof. Paper 550-A, p. A90.

____ 1966b, Multiple overthrusting in Nuka-Etiviluk Rivers region, and thrust sheets recognized in De Long Mountains, in Geological Survey research 1966: U.S. Geol. Survey Prof. Paper 550-A, p. A90-A91.

____ 1969a, Speculations on North Slope geology: Oil and Gas Jour., v. 67, no. 38, p. 215-220, 225-226.

____ 1969b, Rifting speculation on the geology of Alaska's North Slope: Oil and Gas Jour., v. 67, no. 39, p. 128-130.

Tailleur, I. L., 1970a, Lead-zinc-and barite-bearing samples from the western Brooks Range, Alaska, with a section on Petrography and mineralogy, by G. D. Eberlein and Ray Wehr: U.S. Geol. Survey open-file report, 12 p.

____ 1970b, Structure and stratigraphy of western Arctic Alaska (abs.), in Internat. Arctic Geology Symposium, 2d. San Francisco, 1971, abs. Papers: Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2508.

____ 1971, Translation of 1964 Russian correlations between Wrangell Island and northern Alaska: U.S. Geol. Survey open-file report, 13 p.

____ 1973a, A skeleton in Triassic rocks in the Brooks Range Foot-hills: Arctic, v. 26, no. 1, p. 79-80.

____ 1973b, Probable rift origin of Canada Basin, Arctic Ocean, in Arctic geology: Am. Assoc. Petroleum Geologists Mem. 19, p. 526-535; 1970, abs. in Am. Assoc. Petroleum Geologists Bull., v. 54, no. 12, p. 2508; U.S. Geol. Survey open-file report.

- Tailleur, I. L., and Brosge, W. P., 1970, Summary geology of the western Brooks Range regions, Arctic Alaska (abs.): Symposium on the Geophysics and Geology of the Bering Sea region, Alaska University, College, Alaska.
- Tailleur, I. L., and Brosge, W. P., 1971, Brooks Range orogen, Arctic Alaska (abs.): Geol. Soc. America Abs. with Programs, v. 3, no. 6, p. 415.
- Tailleur, I. L., Brosge, W. P., and Reiser, H. N., 1967, Palinspastic analysis of Devonian rocks in northwestern Alaska, in International Symposium on the Devonian System, Calgary 1967, [Proc.], V. 1: Calgary, Alberta, Alberta Soc. Petroleum Geologists, p. 703-716; 1968 in v. 2, p. 1345-1361.
- Tailleur, I. L., and Kent, B. H., 1950, Preliminary report on the stratigraphy and structure of the upper Etivluk-Kuna Rivers area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 34, 32 p.; open-file, 1954.
- _____, 1951, Stratigraphy and structure of the Southern Foothills section between the Etivluk and Kiligwa Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 43, 26 p., 2 figs., 4 pls.; open-file, 1954.
- _____, 1953, Progress report on the Kiligwa anticlinorium: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 40, 16 p.; open-file, 1954.
- Tailleur, I. L., Kent, B. H., and Reiser, H. N., 1951, Preliminary report on the stratigraphy and structure of the Kiligwa River area, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 37, 18 p., 1 fig., 2 pls.
- _____, 1966, Outcrop geologic maps of the Nuka-Etivluk region, northern Alaska: U.S. Geol. Survey open-file report, 5 sheets, map scale 1:63,360.
- Tailleur, I. L., Mamet, B. L., and Dutro, J. T., Jr., 1973, Revised age and structural interpretation of Nuka Formation at Nuka ridge, northwestern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 57, p. 1348-1352; 1972, U.S. Geol. Survey open-file report, 10 p.

- Tailleur, I. L., and Sable, E. G., 1963, Muka Formation of Late Mississippian to Late Permian age, new formation in northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 47, no. 4, p. 632-642.
- Tailleur, I. L., Sable, E. G., and Dutro, J. T., Jr., 1958, Unusual upper Paleozoic rock sequence in northern Alaska [abs.]: Geol. Soc. America Bull., v. 69, no. 12, pt. 2, p. 1746-1747.
- Tailleur, I. L., and Snelson, Sigmund, 1968, Large-scale flat thrusts in the Brooks Range orogen, northern Alaska [abs.]: Geol. Soc. America Spec. Paper 101, Abs. for 1966, p. 217.
- Tailleur, I. L., and Snelson, Sigmund, 1969, Large-scale thrusting in northwestern Alaska possibly related to rifting of the Arctic Ocean (abs.): Geol. Soc. America Spec. Paper 121, p. 569.
- Tappan, Helen, 1951a, Northern Alaska index Foraminifera: Cushman Found. Foram. Research Contr., v. 2, pt. 1, p. 1-8; correction, v. 4, pt. 1, p. 23.
- _____, 1951b, Micropaleontology, in Payne, T. G., and others, Geology of the Arctic slope of Alaska: U.S. Geol. Survey Oil and Gas Inv. Map OM-126, scale 1:1,000,000, 3 sheets, text.
- _____, 1951c, Foraminifera from the Arctic Slope of Alaska; General introduction and Part I, Triassic Foraminifera: U.S. Geol. Survey Prof. Paper 236-A, p. 1-20.
- _____, 1955, Foraminifera from the Arctic slope of Alaska; Part 2, Jurassic Foraminifera: U.S. Geol. Survey Prof. Paper 236-B, p. 21-90.
- _____, 1957, New Cretaceous index Foraminifera from northern Alaska, in Loeblich, A. R., Jr., Studies in Foraminifera: U.S. Natl. Mus. Bull. 215, p. 201-222.
- _____, 1960, Cretaceous biostratigraphy of northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 44, no. 3, pt. 1, p. 273-297.
- _____, 1961, Foraminifera from Pleistocene Gubik formation of northern Alaska [abs.]: Am. Assoc. Petroleum Geologists Bull., v. 45, no. 1, p. 132.
- _____, 1962, Foraminifera from the Arctic slope of Alaska; Part 3, Cretaceous Foraminifera: U.S. Geol. Survey Prof. Paper 236-C, p. 91-209.
- Taylor, E. F., and Heinrichs, W. E., Jr., 1945, Geologic reconnaissance of a part of the Chandler River, party 5, August and September 1945: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-2E, 28 p., 3 pls.; open-file, 1954.

- Taylor, Earle, chm., 1952, Second report of committee appointed by OINCC, Fairbanks, March 12, 1952, for the purpose of setting forth the objectives for future exploration in NPR-4 and re-evaluating the Navy's accomplishments to date: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-1, 5 p., 2 pls.; open-file, 1954.
- Templeton, J. S., 1946, Final report on fossils collected from Naval Petroleum Reserve No. 4, Alaska, 1945 [field parties]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-6, 8 p., table; open-file, 1954.
- Templeton, J. S., and Rolf, G. O., Jr., 1945, Summary of Simpson core holes: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 45-5, 12 pts., 6 p., pls.; open-file, 1954.
- Theobald, P. K., Schweinfurth, S. P., and Duncan, D. C., 1972, Energy resources of the United States: U.S. Geol. Survey Circ. 650, 27 p.
- Thiessen, Reinhardt, 1925, Boghead coal from Alaska [Colville River], in Origin of boghead coals: U.S. Geol. Survey Prof. Paper 132, p. 132-133, pls. 38, 39.
- Thompson, R. M., 1960, Geology and petroleum possibilities of Alaska: Internat. Geol. Cong., 21st, Copenhagen 1960, Proc., pt. 11, p. 27-36.
- Thompson, R. M., and Barksdale, W. L., 1947, Preliminary report on the stratigraphy and structure of the area of the Utukok River with notes on the Corwin-Cape Beaufort region, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 17, 8 p.; open-file, 1954.
- _____, 1948, Stratigraphy and structure of the area of the Utukok River with notes on the Corwin-Cape Beaufort region, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 18, 40 p.; open-file, 1954.
- Thurrell, R. F., Jr., 1947, Preliminary report on the stratigraphy and structure of the area of the Colville River from Iknavik to Kurupa Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 15, 9 p., 2 pls.; open-file, 1954.
- Todd, Ruth, 1957, Foraminifera from Carter Creek, northeastern Alaska: U.S. Geol. Survey Prof. Paper 294-F, p. 223-235.
- Tourtelot, E. B., 1970, Selected annotated bibliography of minor-element content of marine black shales and related sedimentary rocks 1930-65: U.S. Geol. Survey Bull. 1293, 118 p.

- Tourtelot, H. A., Donnell, J. R., and Tailleux, I. L., 1967, Oil yield and chemical composition of shale from northern Alaska: World Petroleum Cong., 7th, Mexico, Proc., v. 3, p. 707-711. London, Elsevier Publishing Company.
- Tourtelot, H. A., and Tailleux, I. L., 1966, Oil yield and chemical composition of shale from northern Alaska: U.S. Geol. Survey open-file report, 17 p.
- Tourtelot, H. A., and Tailleux, I. L., 1971, The Shublik Formation and adjacent strata in northeastern Alaska: U.S. Geol. Survey open-file report, 62 p.
- Tourtelot, H. A., Tailleux, I. L., and Donnell, J. R., 1968, Tasmanite and associated organic-rich rocks, Brooks Range, northern Alaska [abs.]: Geol. Soc. America Spec. Paper 101, p. 222-223.
- Tschudy, B. D., 1969, Species of Aquilapollenites and Fibulapollis from two Upper Cretaceous localities in Alaska: U.S. Geol. Survey Prof. Paper 643-A, p. A1-A17.
- United Geophysical Company, Incorporated, 1953, Final report on geophysical exploration of Naval Petroleum Reserve No. 4 and adjoining areas of Alaska, 1945 to 1953: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-9, 43 p.; app., 13 p., 18 pls.; open-file, 1954.
- _____, 1957, Geophysical cross sections and profiles in Naval Petroleum Reserve No. 4 and adjoining areas: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas, open-file report, 461 geophys. cross secs., 61 reels microfilm seismic records, 1 index map.
- U.S. Department of the Interior, 1970, The national atlas of the United States of America: U.S. Dept. of the Interior, Geol. Survey Washington, D. C., 417 p.
- U.S. Geological Survey, 1946, Umiat special, Alaska: U.S. Geol. Survey Spec. Topog. Map, scale 1:62,500.
- _____, 1955a, Barrow, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- _____, 1955b, Beechey Point, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.

- ____ 1955c, De Long Mountains, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1955d, Demarcation Point, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1955e, Flaxman Island, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1955f, Harrison Bay, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1955g, Meade River, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- U.S. Geological Survey, 1955h, Point Hope, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1955i, Point Lay, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1955j, Teshekpuk, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1955k, Wainwright, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956a, Arctic, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956b, Barrow sheet: U.S. Army Map Service, Corps of Engineers, World (North America), NR3,4, scale 1:1,000,000.
- ____ 1956c, Chandler Lake, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956d, Howard Pass, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956e, Ikpiuk River, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956f, Killik River, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956g, Lookout Ridge, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.

- ____ 1956h, MacKenzie Bay sheet: U.S. Army Map Service, Corps of Engineers, World (North America), NR7,8, scale 1:1,000,000.
- ____ 1956i, Misheguk Mountain, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956j, Mt. Michelson, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956k, Philip Smith Mountains, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956l, Sagavanirktok, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956m, Table Mountain, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1956n, Umiat, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- U.S. Geological Survey, 1956o, Umiat sheet: U.S. Army Map Service, Corps of Engineers, World (North America), NR5,6, scale 1:1,000,000.
- ____ 1956p, Utukok River, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- ____ 1959, Barter Island, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:250,000.
- U.S. Geological Survey, 1960, Geological Survey research, 1960;
 synopsis of geologic results (Barrow, Pt. Hope quads): U.S.
 Geol. Survey Prof. Paper 400 A, p. A1-A136.
- ____ 1961, Geological Survey research, 1961, synopsis of geologic
 and hydrologic results (DeLong Mts., Arctic, Mt. Michelson,
 Pt. Hope quads.): U.S. Geol. Survey Prof. Paper 424-A, p. A1-A194.
- ____ 1962, Geological Survey research 1962 (DeLong Mts., Barrow,
 Pt. Hope Quads.): U.S. Geol. Survey Prof. Paper 450-A, p. A1-A257.

- _____ 1963, Geological Survey Research 1963; summary of investigations prepared by members of the Conservation, Geologic, and Water Resources Divisions (Pt. Hope quad.): U.S. Geol. Survey Prof. Paper 475-A, p. A1-A300.
- _____ 1964, Geological Survey research 1964 (Ikpikpuk River, Pt. Hope, DeLong Mts. Howard Pass, Killik River, Table Mt., Chandler Lake, Umiat quads.): U.S. Geol. Survey Prof. Paper 501-A p. A1-A367.
- _____ 1965, Geological Survey research 1965 (Demarcation Point, Pt. Hope Quads.): U.S. Geol. Survey Prof. Paper 525-A, p. A1-A376.
- _____ 1966, Geological Survey research 1966 (DeLong Mts., Misheguk Mt., Pt. Hope, Demarcation Point, Mt. Michelson, Howard Pass, quads.): U.S. Geol. Survey Prof. Paper 550-A, p. A1-A385.
- _____ 1967, Geological Survey research 1967 (Pt. Hope quad.): U.S. Geol. Survey Prof. Paper 575-A, p. A1-A377.
- _____ 1968a, Geological Survey research 1968 (Mt. Michelson, Pt. Lay, Table Mt. quads.): U.S. Geol. Survey Prof. Paper 600A, p. A1-A371.
- _____ 1968b, Index to topographic maps of Alaska: Washington, D. C., U.S. Geol. Survey.
- _____ 1969a, Hydrological observations, Fairbanks to Prudhoe Bay and other Arctic Slope areas, May 1969: U.S. Geol. Survey Prelim. Recon. open-file report, 12 p., 11 figs.
- U.S. Geological Survey, 1969b, Geological Survey Research 1969: U.S. Geol. Survey Prof. Paper 650, p. A48-A50.

- _____ 1970a, Beechey Point A-2 NE, A-2 NW, A-3 NE, A-3 NW,
A-4 NE, B-2 SE, B-2 SW, B-3 NW, B-3 SE, B-3 SW,
B-4 NE, B-4 SE (1955-70), Alaska, (orthophoto maps): U.S. Geol.
Survey Alaska Topog. Ser. Map, scale 1:24,000.
- _____ 1970b, Demarcation Point, Alaska: U.S. Geol. Survey Alaska
Topog. Ser. Map, scale 1:24, 000.
- _____ 1970c, Geological Survey Research 1970: U.S. Geol. Survey Prof.
Paper 700A, p. A43-A45, A101-A103, A144.
- _____ 1970d, Sagavanirktok C-1, Alaska: U.S. Geol. Survey Alaska
Topog. Ser. Map, scale 1:63,360.
- _____ 1970e, Selected sources of information on United States and world
energy resources — an annotated bibliography: U.S. Geol. Survey
Circ. 641, p. 1-21.
- _____ 1970f, Teshekpuk D-2, D-3, and D-4, Alaska: U.S. Geol. Survey
Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1970g, Umiat B-4, C-4, and D-2, Alaska: U.S. Geol. Survey
Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1971a, Delong Mountains A-5, B-2, B-3, B-4, B-5, C-3, C-4,
C-5, D-4, D-5, Alaska: U.S. Geol. Survey Alaska Topog. Ser.
Map, scale 1:63,360.
- _____ 1971b, Geological Survey Research 1971: U.S. Geol. Survey
Prof. Paper 750A, p. A49-A51; p. A101-A103, A134.

- U.S. Geological Survey, 1971c, Point Hope D-2, (ATC)a, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1971d, Point Lay C-2, D-2, (ATC), Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1971e, Umiat A-3, A-4, A-5, B-3, B-5, C-3, C-5, D-1, D-3, D-4, D-5, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1971f, Wainwright A-1, A-4, A-5, A-6, A-7, B-2, B-3, B-4, B-5, B-6, C-3, D-1, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1972a, Flaxman Island B-5, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1972b, Geological Survey Research 1972: U.S. Geol. Survey Prof. Paper 800A, p. A48-A50, A93-A94, A126-127.
- _____ 1972c, Index to topographic maps of Alaska: Washington, D.C., U.S. Geol. Survey.
- _____ 1972d, National atlas (relief) map of Alaska: U.S. Geol. Survey Special Map, scale 1:7,600,000.
- _____ 1973a, U.S. Geological Survey program 1973: U.S. Geol. Survey circular 683, 56 p.
- _____ 1973b, Chandler Lake A-1, B-1, B-2, C-1, C-2, D-2, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.
- _____ 1973c, Geologic and water-supply reports and maps, Alaska: U.S. Dept. Int. Geol. Survey, Washington, D. C. 20244.
- _____ 1973d, Geological Survey Research 1973: U.S. Geol. Survey Prof. Paper 850, p. 62, 125-128.

U.S. Geological Survey, 1973e, Mt. Michelson A-5, B-5, Alaska: U.S.

Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.

_____ 1973f, Philip Smith Mountains B-3, B-5, C-2, C-3, C-4, D-1,

D-2, D-3, D-4, D-5, Alaska: U.S. Geol. Survey Alaska Topog. Ser.

Map, scale 1:63,360.

_____ 1973g, Sagavanirktok, A-1, A-3, A-4, B-3, B-4, B-5, C-2, C-4,

C-5, Alaska: U.S. Geol. Survey Alaska Topog. Ser. Map,

scale 1:63,360.

_____ 1973h, Table Mountain A-5, B-3, and B-4, Alaska: U.S. Geol.

Survey Alaska Topog. Ser. Map, scale 1:63,360.

_____ 1973i, Umiat A-1, A-2, B-2, Alaska: U.S. Geol. Survey Alaska

Topog. Ser. Map, scale 1:63,360.

_____ 1974a, Arctic A-1, Alaska: U.S. Geol. Survey, Alaska Topog.

Ser. Map, scale 1:63,360.

_____ 1974b, Philip Smith Mountains B-4, C-5, Alaska: U.S. Geol.

Survey Alaska Topog. Ser. Map, scale 1:63,360.

_____ 1974c, Table Mountain A-1, A-2, A-3, B-1, B-2, Alaska: U.S.

Geol. Survey Alaska Topog. Ser. Map, scale 1:63,360.

_____ 1974d, Umiat B-1, Alaska: U.S. Geol. Survey Alaska Topog. Ser.

Map, scale 1:63,360.

_____ 1974e, United States Geological Survey Alaska Program, 1974:

U. S. Geol. Survey Circular 700, U.S. Geol. Survey, Washington,

D. C., 20244.

- U.S. Geological Survey-Alaska Department of Natural Resources, 1964, Mineral and water resources of Alaska--Report prepared at the request of Senator Ernest Gruening of the U.S. Senate Committee on Interior and Insular Affairs: U.S. Cong., 88th, 2d sess., Comm. Print, 179 p.
- U.S. Geological Survey, Alaska and Glacial Map Committee, 1965, Map showing extent of glaciations in Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-415, scale 1:2,500,000.
- U.S. Geological Survey, Alaskan Geology Branch, 1954a, Distillation analyses of natural gas for Gubik test well no. 1 and Umiat test well no. 8: U.S. Geol. Survey open-file report, 3 p.
- ____ 1954b, Graphic and written logs, Gubik test well no. 1: U.S. Geol. Survey open-file report, 30 p.
- ____ 1954c, Graphic and written logs, Gubik test well no. 2: U.S. Geol. Survey open-file report, 42 p.
- ____ 1954d, Graphic and written logs, Umiat test well no. 8: U.S. Geol. Survey open-file report, 13 p.
- ____ 1954e, Graphic and written logs, Umiat test well no. 11: U.S. Geol. Survey open-file report, 38 p.
- ____ 1954f, Subsurface structure, Umiat test wells: U.S. Geol. Survey open-file map, 1 pl.
- ____ 1954g, Preliminary photogeologic maps of Naval Petroleum Reserve No. 4 and adjacent areas, Alaska: U.S. Geol. Survey open-file maps, scale 1:250,000, 12 sheets.
- ____ 1954h, Preliminary photogeologic maps of Naval Petroleum Reserve No. 4 and adjacent areas, Alaska: U.S. Geol. Survey open-file maps, scale 1:96,000, 104 sheets.
- ____ 1954i, Structure contour map of the Gubik anticline based on seismograph data: U.S. Geol. Survey open-file map.
- U.S. Geological Survey, Alaskan Geology Branch, 1972a, Aeromagnetic data from S. W. Naval Petroleum Reserve, Alaska: U.S. Geol. Survey open-file report, 4 p.
- ____ 1972b, The status of mineral resources information on the major land withdrawals of the Alaska Native Claims Act of 1971: U.S. Geol. Survey open-file report, 164 p.

- _____ 1974a, Alaskan reports in open files: U.S. Geol. Survey, Menlo Park, Calif.,
- _____ 1974b, Geological Survey open-file reports on Alaska indexed by quadrangle: U.S. Geol. Survey, open-file report 74-7, 116 p.
- _____ 1974c, Selected U.S. Bureau of Mines reports on Alaska indexed by quadrangle: U.S. Geol. Survey open-file report 74-52, 40 p.
- U.S. Geological Survey State Base Map, 1970, Alaska Map A: U.S. Geol. Survey State Base Map, scale 1:5,000,000.
- _____ 1971, Alaska map B: U.S. Geol. Survey State Base Map, scale 1:584,000.
- U.S. Geological Survey, Water Resources Division, 1969a, Hydrological observations, Fairbanks to Prudhoe Bay and other Arctic Slope areas: U.S. Geol. Survey open-file report, 12 p.
- _____ 1969b, Water resources of the Arctic Slope region, Alaska, preliminary report: U.S. Geol. Survey open-file report, 31 p.
- _____ 1971a, Surface water supply of the United States, 1961-65 -- Part 15, Alaska: U.S. Geol. Survey Water-Supply Paper 1936, 342 p.
- _____ 1971b, Water resources data for Alaska: U.S. Geol. Survey, Anchorage, Alaska, Part 1, p. 161-164; part 2, p. 249-252.
- U.S. Geological Survey, Water Resources Division, 1969, Water resources of the Arctic slope region, Alaska, preliminary report: U.S. Geol. Survey open-file report, 22 p., 9 figs.
- U.S. Geological Survey, Water Resources Division, 1972a, Flood surveys along proposed TAPS route, Alaska: U.S. Geol. Survey open-file report, 16 p.

- ____ 1972b, Water resources data for Alaska: U.S. Geol. Survey, Anchorage, Alaska, part 1, p. 172-177; part 2, p. 254-255.
- ____ 1972c, Water resources investigations in Alaska: U.S. Geol. Survey, Washington, D. C.
- ____ 1973a, Quality of surface waters of the United States, 1968 -- Parts 12-16, North Pacific slope basins, Alaska, Hawaii, and other Pacific areas: U.S. Geol. Survey Water-Supply Paper 2100, 464 p.
- ____ 1973b, Water resources investigations, Alaska, in Geol. Survey Research 1973: U.S. Geol. Survey Prof. Paper 850, p. 103.
- U. S. Geological Survey, Water Resources Division, Alaska District in cooperation with the United States Public Health Service, 1972, Surface-water investigations at Barrow, Alaska: U.S. Geol. Survey open-file report, 16 p.
- Van Zandt, F. K., 1966, Boundaries of the United States and the several states: U.S. Geol. Survey Bull. 1212. 291 p.
- Wahrhaftig, C. A., 1960, The physiographic provinces of Alaska: U.S. Geol. Survey open-file report, 78 p.
- ____ 1965, Physiographic divisions of Alaska: U.S. Geol. Survey Prof. Paper 482, 52 p.
- Wahrhaftig, C. A., and Gates, G. O., 1964, Geology--physiographic setting, in Mineral and water resources of Alaska: U.S. Cong., 88th, 2d sess., Comm. Print, p. 27-32.
- Waller, R. M., 1960, Ground-water conditions in the vicinity of Project Chariot, Ogotoruk Creek, northwestern Alaska: U.S. Geol. Survey Rept. TEL-753, p. 72-78.
- ____ 1961, Ground-water investigations in support of Project Chariot Phase III -- summer 1960: U.S. Geol. Survey Rept. TEL-779, p. 87-101.
- ____ 1962, Winter hydrology of a small Arctic stream [abs.]: Alaskan Sci. Conf., 12th, 1961, Proc., p. 134-136; Geol. Soc. America Spec. Paper 68, p. 122-123.

- ____ 1966, Ground-water hydrology, in Environment of the Cape Thompson region, Alaska: Washington, D. C., U.S. Atomic Energy Comm., p. 115-124.
- Walton, M. S., Jr., Rossman, D. L., Hill, M. E., and Balsley, J. R., Jr., 1946, Magnetic survey of part of Naval Petroleum Reserve No. 4 by airborne magnetometer: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 2, 26 p., 4 pls.; open-file, 1954.
- Wanek, A. A., and Callahan, J. E., 1968, Coal reserves along Kukpowruk River, in Geological Survey research 1968: U.S. Geol. Survey Prof. Paper 600-A, p. A39.
- Ward, L. F., 1889, The geographical distribution of fossil plants: U.S. Geol. Survey Ann. Rept., 8th, 1886-1887, pt. 2, p. 925.
- Webber, E. J., 1946, Preliminary report on the stratigraphy and structure of the area of the Topagoruk, Meade, and Kuk Rivers and Point Barrow, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 7, 14 p.; open-file, 1954.
- ____ 1947a, Preliminary report on the stratigraphy and structure of the area of the Titaluk and Upper Ikpikpuk Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 18, 4 p.; open-file, 1954.
- ____ 1947b, Stratigraphy and structure of the area of the Meade and Kuk Rivers and Point Barrow: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 6, 14 p.; open-file, 1954.
- ____ 1948, Stratigraphy and structure of the area of the Titaluk River and upper part of Ikpikpuk River, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 16, 4 p.; open-file, 1954.
- Webber, E. J., and Detterman, R. L., 1947, Preliminary report on the stratigraphy and structure of the area of the Namushuk River, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 9, 7 p., 2 pls.; open-file, 1954.
- Wedow, Helmuth, Jr., White, M. G., and Moxham, R. M., 1952, Interim report on an appraisal of the uranium possibilities of Alaska: U.S. Geol. Survey open-file report, 123 p.
- White, C. D., 1906, Report on fossil plants from the Cape Lisburne region, Alaska: U.S. Geol. Survey Bull. 278, p. 22.
- White, M. G., 1952, Radioactivity of selected rocks and placer concentrates from northeastern Alaska: U.S. Geol. Survey Circ. 195, 12 p.

- Whittington, C. L., 1956, Revised stratigraphic nomenclature of Colville Group, in Gryc, George, and others, Mesozoic sequence in Colville River region, northern Alaska: Am. Assoc. Petroleum Geologists Bull., v. 40, no. 2, p. 244-253.
- Whittington, C. L., and Keller, A. S., 1949, Preliminary reports on the Carbon Creek anticline and on the upper Meade River, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 23, 16 p.; open-file, 1954.
- _____, 1950, Stratigraphy and structure of the area of the Upper Meade River, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 36, 8 p., 3 pls.; open-file, 1954.
- Whittington, C. L., and Sable, E. G., 1948, Preliminary geologic report of Sadlerochit River area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 20, 18 p., 1 pl.; open-file, 1954.
- Whittington, C. L., and Stevens, J. M., 1950, Preliminary report on the stratigraphy and structure of part of the Carbon Creek and Ketik anticlines: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 33, 5 p., 1 pl.; open-file, 1954.
- _____, 1951, Stratigraphy and structure of part of the Carbon Creek and Ketik anticlines, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve and adjacent areas Regular Rept. 46, 14 p.; open-file, 1954.
- Whittington, C. L., and Troyer, M. L., 1947, Preliminary report on the stratigraphy and structure of the area of Kigalik and Awuna Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Prelim. Rept. 11, 7 p., 2 pls.; open-file, 1954.
- Whittington, C. L., and Troyer, M. L., 1948, Stratigraphy and structure of the area of the Kigalik and Awuna Rivers, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Regular Rept. 17, 7 p., 2 pls.; open-file, 1954.
- Wiancko, Eugene, 1948a, Report of a reflection seismograph survey on water in the Barrow area (party 47): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-7, 2 p., 2 pls.; open-file, 1954.
- _____, 1948b, Report of well velocity survey, South Barrow test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-10, 2 p., 1 pl.; open-file, 1954.
- _____, 1948c, Report of reflection seismograph survey in the Barrow area during 1948: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-19, 8 p., 4 pls.; open-file, 1954.

- 1949a, Report of well velocity survey, South Barrow test well no. 2: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-3, 2 p., 2 pls.; open-file, 1954.
- 1949b, (Seismic reflection, party 47) Report for month of February, 1949 [Barrow area, South Barrow test well no. 2]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-4, 2 p., 4 pls.; open-file, 1954.
- 1949c, [Geophysical] Report (party 47) for month of March, 1949 [Barrow area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-6, 2 p., 4 pls.; open-file, 1954.
- 1949d, [Geophysical] Report for month of April 1949 (party 47, Barrow and Inaru River area): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-12, 3 p., 7 pls.; open-file, 1954.
- 1949e, [Geophysical] Report for month of May 1949 (party 47, Inaru and North Meade River area): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-16, 3 p., 7 pls.; open-file, 1954.
- 1949f, Seismograph survey 1949, Barrow, Inaru, N. Meade and Topagoruk areas [party 47]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-28, 7 p., 13 pls.; open-file, 1954.
- 1950a, Topagoruk area - interim (seismic) report - February 13 to March 15 (party 147): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-3, 4 pl, 6 pls.; open-file, 1954.
- 1950b, Report of velocity survey of Minga velocity test no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-7, 4 p., 4 pls.; open-file, 1954.
- Wiancko, Eugene, 1950c, Discussion of North Simpson test well no. 1 and relationships with seismic data: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-13, 2 p., 1 pl.; open-file, 1954.
- 1950d, Seismograph survey report of Topagoruk and South Simpson areas (party 147): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 50-17, 11 p., 16 figs., 5 pls.; open-file, 1954.
- Wiancko, Eugene, and Sanders, A., 1949, Supplemental report, reflection seismograph survey of Cape Simpson area (party 43 in 1945-46): U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 49-1, 3 p., 5 pls.; open-file, 1954.

- Wilder, P. M., 1948, Operations report (party 46), seismograph survey for Arctic Contractors at Naval Petroleum Reserve No. 4, Alaska [Fish Creek area]: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-14, 10 p.; open-file, 1954.
- Wilder, P. M., and Phillips, E. B., 1948, Operations report (party 47), Barrow-Meade area, refraction and reflection seismograph survey at Naval Petroleum Reserve No. 4, Alaska: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 48-16, 24 p.; open-file, 1954.
- Williams, J. R., 1963, Ground water in permafrost regions; an annotated bibliography of publications through 1960, with glossary of terms: U.S. Geol. Survey open-file report, 2608 p.
- _____, 1965, Ground water in permafrost regions -- an annotated bibliography: U.S. Geol. Survey Water-Supply Paper 1792, 294 p.
- Williams, J. R., 1970a, A review of water resources of the Umiat area, northern Alaska: U.S. Geol. Survey Circ. 636, 8 p.
- Williams, J. R., 1970b, Ground water in the permafrost regions in Alaska: U.S. Geol. Survey Prof. Paper 696, 83 p.
- Williams, J. R., and Waller, R. M., 1966, Ground water occurrence in permafrost regions of Alaska, in International Conference on Permafrost, Lafayette, Ind., 1963, Proceedings: Natl. Acad. Sci.-Natl. Research Council Pub. 1287, p. 159-164.
- Wood, G. V., and Armstrong, A. K., 1975, Diagenesis and stratigraphy of the Lisburne Group limestones of the Sadlerochit Mountains and adjacent areas, northeastern Alaska: U.S. Geol. Survey Prof. Paper 857, 47 p.
- Woolson, J. R., 1951a, Correlation, Simpson test well no. 1, Topagoruk test well no. 1: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-10, 2 p., 1 fig., 1 pl.; open-file, 1954.
- _____, 1951b, Regional and stratigraphic discussion of seismic results: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-11, 8 p., 3 figs., 10 pls.; open-file, 1954.
- Woolson, J. R., 1951c, Regional interpretation of gravity results, Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-12, 5 p., 1 fig., 3 pls.; open-file, 1954.
- _____, 1951d, Future geophysical work in NPR-4 and recommended 1952 geophysical program: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 51-13, 4 p., 1 fig., 1 pl.; open-file, 1954.

- ____ 1952, Report on gravity surveys of NPR-4, August: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 52-3, 16 p., 16 pls.; open-file, 1954.
- ____ 1953, Stratigraphic discussion of geophysical results in the Shaviovik area: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Rept. 53-4, 6 p., 3 pls.; open-file, 1954.
- ____ 1959, Geology and geophysics of northern Alaska [abs.]; Houston Geol. Soc. Bull., v. 1, no. 6, unpagged, Feb. 1959; Geophys. Soc. Tulsa Proc., 1959-1960, v. 6, p. 51-52.
- ____ 1963?, Geophysical work in Alaska [abs.]: Geophys. Soc. Tulsa Proc. 1959-61, v. 7, p. 89-90.
- Woolson, J. R., and others, 1962, Seismic and gravity surveys of Naval Petroleum Reserve No. 4 and adjoining areas, Alaska; Part 4, Geophysics: U.S. Geol. Survey Prof. Paper 304-A, p. 1-25 [1963].
- Worl, R. G., Van Alstine, R. E., and Heyl, A. V., 1974, Fluorite in the United States (exclusive of Hawaii): U.S. Geol. Survey Mineral Inv. Resources Map MR-60, 13 p., 1 sheet.
- Yeend, W. E., 1972, Winter protalus mounds; Brooks Range, Alaska: Arctic and Alpine Research, v. 4, no. 1, p. 85-87.
- Yeend, Warren, 1973a Preliminary geologic map of a prospective transportation route from Prudhoe Bay, Alaska, to Canadian Border, Part I, Beechey Point and Sagavanirktok quadrangles: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-489, scale 1:125,000.
- ____ 1973b Preliminary geologic map of a prospective transportation route from Prudhoe Bay, Alaska, to Canadian border, Part II, Mt. Michelson quadrangle, Alaska: U.S. Geol. Survey Mineral Inv.
- Yeend, Warren, 1973c, Preliminary geologic map of a prospective transportation route from Prudhoe Bay, Alaska, to Canadian border, Part V, Coleen quadrangle (north half), Alaska: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-502, scale 1:125,000.

Yeend, Warren, and Brosge, W. P., 1973a, Preliminary geologic map of a prospective transportation route from Prudhoe Bay, Alaska, to Canadian border, Part III, Arctic quadrangle (north half), Alaska: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-501, scale 1:125,000.

____ 1973b, Preliminary geologic map of a prospective transportation route from Prudhoe Bay, Alaska, to Canadian border, Part IV, Arctic and Table Mtn. quadrangles: U.S. Geol. Survey Mineral Inv. Field Studies Map MF-522, scale 1:125,000.

Yochelson, E. L., and Ditro, J. T., Jr., 1960, Late Paleozoic gastropoda from northern Alaska: U.S. Geol. Survey Prof. Paper 334-D, p. 111-147; abs. 1958 in Geol. Soc. America Bull., v. 69, no. 12, pt. 2, p. 1668.

____ 1961, *Mourlonia sablei*, new name for *Mourlonia minuta* Yochelson and Ditro 1960, not Weller 1916 [correction to "Late Paleozoic gastropoda from northern Alaska", 1960]: Jour. Paleontology, v. 37, no. 3, p. 725.

Yount, M. E., editor, 1975, U.S. Geological Survey Alaska Program: U.S. Geol. Survey Circ. 722, 58 p.

Yuster, S. T., 1950, Core analysis of selected samples from 1949 wells in Naval Petroleum Reserve No. 4: U.S. Geol. Survey Inv. Naval Petroleum Reserve No. 4 and adjacent areas Spec. Rept. 19, 2 p., 3 figs.; open-file, 1954.

Zietz, Isidore, Andreasen, G. E., and Grantz, Arthur, 1960, Regional aeromagnetic surveys of possible petroleum provinces in Alaska, in Geological Survey research 1960: U.S. Geol. Survey Prof. Paper 400-B, p. B75-B76.