

REFERENCES

- Alaska Sportsman, 1944, From Ketchikan to Barrow: September, p. 21.
- Alaska Sportsman, August 1949, From Barrow to Ketchikan, p. 18.
- Alaska Volcano Observatory Staff, 1990, The 1989-1990 eruption of Redoubt Volcano: EOS, Transactions, American Geophysical Union, v. 71, no. 7, p. 265-275.
- Alaska Volcano Observatory, 1993, EOS, Transactions, American Geophysical Union, v. 74, no. 19, p. 217.
- The Alaskan, Sitka, March 29, 1902.
- Anchorage Daily News, August 16 and 19, 1958.
- Anchorage Times, April 3, July 13, 1935.
- Anchorage Times, August 15, 1958; October 17, 1960.
- Anchorage Times, February 11, 1963.
- Anchorage Times, March 8, 1977.
- Anchorage Times, 1990, Kiska volcano rumbles back to life, June 3, 1990.
- Arce, G.N., 1983, Volcanic hazards from Makushin Volcano, northern Unalaska Island, Alaska: unpublished M.S. Thesis, University of Alaska, Fairbanks, 142 p.
- Arctic Environmental Information and Data Center, 1978, Aleutian/Pribilof Islands region community profiles (Atka Village): Anchorage.
- Arculus, R.J., DeLong, S.E., Kay, R.W., Brooks, C., and Sun, S.S., 1977, The alkalic rock suite of Bogoslof Island, eastern Aleutian Arc, Alaska: *Journal of Geology*, v. 85, p. 177-186.
- Barnes, I., and McCoy, G.A., 1979, Possible role of mantle-derived CO₂ in causing two "phreatic" explosions in Alaska: *Geology*, v. 7, p. 434-435.
- Bates, R.L., and Jackson, J.A., 1987, *Glossary of Geology*, Third Edition, American Geological Institute, Alexandria, Virginia, 788 p.
- Becker, G.F., 1898, Reconnaissance of the gold fields of southern Alaska, with some notes on general geology: U.S. Geological Survey 18th Annual Report pt. 3, p. 1-86.
- Begét, J.E., 1986, Prehistoric tephra eruptions, debris avalanches, and tsunamis at Mt. St. Augustine: The geologic record: EOS, Transactions, American Geophysical Union, v. 67, p. 1260.
- Begét, J.E., 1996, Dendrochronologic, archeologic, and radiocarbon data on recent eruptions of Iliamna and Augustine volcanoes, Alaska [abs]: EOS, Transactions, Amer. Geophysical Union, v.77, p. F814.
- Begét, J.E., and Kienle, Juergen, 1992, Cyclic formation of debris avalanches at Mount St. Augustine: *Nature*, v. 356, p. 701-704.
- Benson, C.S. and Motyka, R.J., 1979, Glacier-volcano interactions on Mt. Wrangell, Alaska: in: Annual Report 1977-1978: Fairbanks, University of Alaska Geophysical Institute, p. 1-25.
- Black, R.F., 1974, Late-Quaternary sea level changes, Umnak Island, Aleutians—their effects on ancient Aleuts and their causes: *Quaternary Research*, v. 4, p. 264-281.
- Black, R.F., Dall, W.H., 1870, Alaska and its resources: Reprinted 1970, Arno Press, Inc., 627 p.
- Black, R.F., 1975, Late-Quaternary geomorphic processes: effects on the ancient Aleuts of Umnak Island in the Aleutians: *Arctic*, v. 28, p. 159-169.
- Brantley, S.R., ed., 1990, The eruption of Redoubt Volcano, Alaska, December 14, 1989-August 31, 1990: U.S. Geological Survey Circular 1061, 33 p.
- Bulletin of Volcanic Eruptions, 1963: Volcanological Society of Japan, no. 3, p. 3.
- Bulletin of Volcanic Eruptions, 1964: Volcanological Society of Japan, no. 4.
- Bulletin of Volcanic Eruptions, 1987: Volcanological Society of Japan, no. 24, p. 36-37.
- Bulletin of Volcanic Eruptions, 1987: Volcanological Society of Japan, no. 24, p. 55-56.
- Burk, C.A., 1965, Geology of the Alaska Peninsula-island arc and continental margin (Part I): Geological Society of America Memoir, 99, 250 p.
- Byers, F.M., Jr., and Brannock, W.W., 1949, Volcanic activity on Umnak and Great Sitkin Islands, 1946-1948: EOS, Transactions, American Geophysical Union, v. 30, no. 5, p. 719-734.
- Byers, F.M., 1959, Geology of Umnak and Bogoslof Islands, Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1028-L, p. 167-369.
- Byers, F.M., Jr., 1961, Petrology of three volcanic suites, Umnak and Bogoslof Islands, Aleutian Islands, Alaska: Geological Society of America Bulletin, v. 72, p. 93-128.
- Byers, F.M., Jr., and Barth, T.F.W., 1953, Volcanic activity on Akun and Akutan Islands, Alaska: Pacific Science Congress, 7th, New Zealand, 1949, Proceedings, v.2, p. 382-397.
- Capps, S.R., 1929, The Mount Spurr region, Alaska: U.S. Geological Survey Bulletin 810-C, p. 140-172.
- Casadevall, T.J., 1994, The 1989-90 eruption of Redoubt Volcano, Alaska: Impacts on aircraft operations. T.P. Miller and B.A. Chouet (Editors), The 1989-90 eruptions of Redoubt volcano, Alaska: *Journ. of Volcan. and Geotherm Res.* v. 62, p. 301-316.
- Coats, R.R., 1950, Volcanic activity in the Aleutian arc: U.S. Geological Survey Bulletin 974-B, p. 35-47.
- Coats, R.R., 1952, Magmatic differentiation in tertiary and Quaternary volcanic rocks from Adak and Kanaga Islands, Aleutian Islands, Alaska: Geological Society of America Bulletin, v. 63, p. 485-514.
- Coats, R.R., 1956a, Geology of northern Kanaga Island, Alaska: U.S. Geological Survey Bulletin 1028-D, p. 69-81.
- Coats, R.R., 1956b, Reconnaissance geology of some western Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1028-E, p. 83-100.
- Coats, R.R., 1959, Geological reconnaissance of Semisopochnoi Island, western Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1028-O, p. 477-519.
- Coats, R.R., 1959, Geologic reconnaissance of Gareloi Island, Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1028-J, p. 249-256.
- Coats, R.R., and Marsh, B.D., 1984, Reconnaissance geology and petrology of northern Tanaga, Aleutian Islands, Alaska: Geological Society of America Abstracts with Programs, v. 16, no. 6, p. 474.
- Coats, R.R., Nelson, W.H., Lewis, R.Q., and Powers, H.A., 1961, Geologic reconnaissance of Kiska Island, Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1028-R, p. 563-581.

- Curtis, G.H., 1968, The stratigraphy of the ejecta from the 1912 eruption of Mount Katmai and Novarupta, Alaska: Geological Society of America Memoir 116, p. 153-210.
- Dall, W.H., 1918, Reminiscences of Alaskan volcanoes: The Scientific Monthly, v. VII, p. 80-90.
- Davidson, George, 1884, Notes on the volcanic eruption of Mount St. Augustine, Alaska, Oct. 6, 1883: Science, v. 3, p. 186-189. (See also Science, v. 3, p. 798.)
- Davidson, George, 1892, The eruption of the volcano Veniaminof (sic): Transactions and Proceedings of the Geographical Society of the Pacific, v. 3, p. 59-62.
- Davies, J.N Sykes, Lyn, House, L., and Jacob, Klaus, 1981, Shumagin seismic gap, Alaska Peninsula: History of great earthquakes, tectonic setting, and evidence of high seismic potential: Journal of Geophysical Research, v. 86, p. 3821-3855.
- Davies, J.N., Taber, John, Miller, T.P., Power, J.A., and Yount, M.E., 1988, Seismicity and geology of Mt. Dutton, a volcano near the tip of the Alaska Peninsula: American Geophysical Union Abstracts with Programs, v. 69, n. 44, p. 1507.
- Decker, R.W., 1967, Investigations at active volcanoes: U.S. National Report, 1963-1967, Adams, L.H., and Schairer, J.F., eds., EOS, Transactions, American Geophysical Union, v. 48, no. 2, p. 639-647.
- DeLong, S.E., Perfit, M.R., McCulloch, and Ach, Jay, 1985, Magmatic evolution of Semisopchnoi Island, Alaska: Journal of Geology, v. 93, n.5, p. 609-619.
- Detterman, R.L., 1968, Recent volcanic activity on Augustine Island, Alaska: U.S. Geological Survey Professional Paper 600-C, p. C126-129.
- Detterman, R.L., 1973, Geologic map of the Iliamna B-2 quadrangle, Augustine Island, Alaska: U.S. Geological Survey Geologic Quadrangle Map GQ-1068, 1 sheet, scale 1:63,360, 4 p.
- Detterman, R.L., and Hartsock, J.K., 1966, Geology of the Iniskin-Tuxedni region, Alaska: U.S. Geological Survey Professional Paper 512, plate 1.
- Detterman, R.L., Miller, T.P., Yount, M.E., and Wilson, F.H., 1981, Geologic map of the Chignik and Sutwik Island quadrangles, Alaska: U.S. Geol. Survey Miscellaneous Investigations Map I-1229.
- Detterman, R.L., Miller, T.P., Yount, M.E., and Wilson, F.H., 1981, Quaternary geologic map of the Chignik and Sutwik Island quadrangles, Alaska: U.S. Geological Survey Miscellaneous Investigations Map 1292, scale 1:250,000.
- Detterman, R.L., Case, J.E., Wilson, F.H., Yount, M.E., and Allaway, Jr., W.H., 1983, Generalized geologic map, Ugashik, Bristol Bay, and part of Karluk quadrangles, Alaska: U.S. Geological Survey Miscellaneous Field Studies Map MF-1539-A, 1:250,000 scale.
- Detterman, R.L., Wilson, F.H., Yount, M.E., and Miller, T.P., 1987, Quaternary geologic map of the Ugashik, Bristol Bay, and western part of Karluk quadrangles, Alaska: U.S. Geological Survey Miscellaneous Investigations Map I-1801, 1:250,000 scale.
- Doroshin, P., 1870, Some volcanoes, their eruptions, and earthquakes in the former Russian holdings in America: zu St. Petersburg, Zweite Serie, Funfter Rand, 25-44 (in Russian).
- Drewes, Harald, Fraser, G.D., Snyder, G.L., Garnett, H.F., Jr., 1961, Geology of Unalaska Island and adjacent insular shelf, Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1028-S, p. 583-676.
- Eakle, A.S., 1908, Recent volcanic eruptions in the Bering Sea: Mining and Scientific Press, v. 96, p. 353.
- Eichelberger, J.C., Keith, T.E.C., Miller, T.P., and Nye, C.J., 1995, The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska: Chronology and summary. In T.E.C. Keith (Editor), The 1992 eruptions of Crater peak vent, Mount Spurr volcano, Alaska: U.S. Geological Survey Bulletin 2139, p. 1-18.
- Fenner, C.N. 1920, The Katmai region, Alaska, and the great eruption of 1912: Journal of Geology, v. 28, no. 7, p. 569-606.
- Fenner, C.N., 1925, Earth movements accompanying the Katmai eruption: Pt. I. Regional earthquakes, Pt. II. Fracturing in the Valley of Ten Thousand Smokes: Journal of Geology, v. 33, p. 116-139, 193-223.
- Fenner, C.N., 1926, The Katmai magmatic province: Journal of Geology, v. 34, p. 673-772.
- Fenner, C.N., 1930, Zeitschrift fur Vulkanologie, v.132, p.1-24.
- Fierstein, Judy, and Hildreth, Wes, 1992, The plinian eruptions of 1912 at Novarupta, Katmai National Park, Alaska: Bulletin of Volcanology, v. 54, p. 646-684.
- Finch, R.H., 1934, Shishaldin Volcano: Proceedings of the Fifth Pacific Science Conference, Canada, v. 3, p. 2369-2376.
- Finch, R.H., 1935, Akutan Volcano: Zeitschrift fur Vulkanologie, Band XVI, p. 155-160.
- Forbes, R.B., Ray, D.K., Katsura, T., Matsumoto, H., Haramura, H. and Furst, M.J., 1969, The comparative chemical composition of continental vs. island arc andesites in Alaska: Oregon Department of Geology and Mineral Industries Bulletin 65, 111-120.
- Fournelle, J.H., 1988, Geology and petrology of Shishaldin Volcano, Unimak Island, Aleutian arc, Alaska: The Johns Hopkins University, unpublished Doctoral Dissertation, 507 p.
- Fournelle, J.H., 1990, Geology and geochemistry of Fisher Caldera, Unimak Island, Aleutians [abs.]: EOS, Transactions, American Geophysical Union, v. 71, n. 43, p. 1698-1699.
- Fournelle, J.H., Marsh, B.D., and Myers, J.D., 1994, Age, character, and significance of Aleutian arc volcanism: In George Plafker and H.C. Berg (Editors), The Geology of Alaska, Geological Society of America, Decade of North American Geology, v. G1, p. 723-758.
- Fraser, G.D., and Barnett, H.F., 1959, Geology of the Delarof and westernmost Andreanof Islands, Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1028-I, p. 211-148.
- Freiday, Dean, 1945, The Aleutians—Island necklace of the North: Natural History, v. 54, p. 444-455.
- Gardner, C.A., Neal, C.A., Waitt, R.B., and Janda, R.J., 1994, Proximal pyroclastic deposits from the 1989-90 eruption of Redoubt Volcano, Alaska: Stratigraphy, distribution, and physical characteristics. In T.P. Miller and B.A. Chouet (Editors), The 1989-90 eruptions of Redoubt volcano, Alaska: Journal of Volcanology and Geothermal Research, v. 62, p. 213-250.
- Goodliffe, A.M., Stone, D.B., and Kienle, Juergen, 1991, The vent of the 1912 Katmai eruption: Gravity and magnetic measurements: Geophysical Research Letters, v. 18, no. 8, p. 1521-1524.

- Grewingk, Constantine, 1850, Beitrag zur Kenntniss der orographischen und geognostischen Beschaffenheit der Nordwestkuste Amerikas, mit den anliegenden Inseln (Contribution to knowledge of the orographic [topographic] and geognostic [geologic] condition of the northwest coast of America with adjacent islands): Abstracted from Verhandlungen der Russisch-Kaiserlichen Mineralogischen Gesellschaft zur St. Petersburg, Jahrgang 1848 und 1849, p. 76-342.
- Griggs, R.F., 1922, The Valley of Ten Thousand Smokes: Washington, D.C., National Geographic Society, 340 p.
- Hantke, Gustav, 1951, Uebersicht uber die vulkanische tatigkeit, 1941-1947: Bulletin Volcanologique, v. 11, p. 161-208.
- Harbin, M.L., 1994, Observations of the 1992 lava dome, Bogoslof Island, Eastern Aleutian arc, Alaska [abs.]: EOS, Transactions, American Geophysical Union, 1994 Fall Meeting, v. 75, n. 44, p. 737.
- Henning, R.A., Rosenthal, C.H., Olds, B., and Reading, E., 1976, Bogoslof Island, in Alaska's Volcanoes: Alaska Geographic, v. 4, p. 45-58.
- Hildreth, Wes, 1983, The compositionally zoned eruption of 1912 in the Valley of Ten Thousand Smokes, Katmai National Park, Alaska: Journal of Volcanology and Geothermal Research, v. 18, p. 1-56.
- Hildreth, Wes, 1987, New perspectives on the eruption of 1912 in the Valley of Ten Thousand Smokes, Katmai National Park, Alaska: Bulletin of Volcanology, v. 49, p. 680-693.
- Hildreth, Wes, 1991, The timing of caldera collapse at Mount Katmai in response to magma withdrawal toward Novarupta: Geophysical Research Letters, v. 18, 1541-1544.
- Hubbard, B.R., 1931, A world inside a mountain, the new volcanic wonderland of the Alaska Peninsula, is explored: National Geographic Society, v. 60, no. 9, p. 319-345.
- Jaggard, T.A., 1927, Eruption of Mageik in Alaska: The Volcano Letter, no. 147, p. 1.
- Jaggard, T.A., 1929, Mapping the home of the great brown bear: National Geographic, v. 55, no. 1, p. 109-134.
- Jaggard, T.A., 1930, Recent activity of Bogoslof volcano: The Volcano Letter, no. 275, p. 1-3.
- Jaggard, T.A., 1931, Difficulties of Alaskan earthquake study: The Volcano Letter, no. 337, p. 1-3.
- Jaggard, T.A., 1932, Aleutian eruptions 1930-32, The Volcano Letter, no. 375, p. 1-3.
- Johnston, D.A., 1979, Volcanic gas studies at Alaskan volcanoes, in Alaska, Accomplishments During 1978: U.S. Geological Survey Circular 804-B, p. B83-B84.
- Johnston, D.A., 1979, Onset of volcanism at Augustine Volcano, lower Cook Inlet: in Johnson, K.M., and Williams, J.R., eds., The United States Geological Survey in Alaska: Accomplishments during 1978: U.S. Geological Survey Circular 804-B, p. B78-B80.
- Johnston, D.A., and Dettmerman, R.L., 1979, Revision of the recent eruption history of Augustine Volcano—elimination of the "1902 eruption" in Johnson, K.M., and Williams, J.R., eds., The United States Geological Survey in Alaska: Accomplishments during 1978: U.S. Geological Survey Circular 804-B, p. B80-B83.
- Juhle, Werner and Coulter, H.W., 1955, The Mount Spurr eruption, July 9, 1953: EOS, Transactions American Geophysical Union, v. 36, p. 199-202.
- Kamata, Hiroki, Johnston, D.A., and Waitt, R.B., 1991, Stratigraphy, chronology, and character of the 1976 pyroclastic eruption of Augustine volcano, Alaska: Bulletin of Volcanology, v. 53, p. 407-419.
- Kay, S.M., Kay, R.W., and Citron, G.P., 1982, Tectonic controls on tholeiitic and calc-alkaline magmatism in the Aleutian Arc: Journal of Geophysical Research, v. 87, no. B5, p. 4051-4072.
- Kay, R.W., 1990, Kastaochi: central Aleutian Islands, in C.A. Wood and Juergen Kienle, eds., Volcanoes of North America, Cambridge University Press, p. 28.
- Kennedy, G.C., and Waldron, H.H., 1955, Geology of Pavlof volcano and vicinity, Alaska: U.S. Geological Survey Bulletin 1028-A, 19 p.
- Kienle, Juergen, and Shaw, G.E., 1979, Plume dynamics, thermal energy and long distance transport of Vulcanian eruption clouds from Augustine Volcano, Alaska: Journal of Volcanology and Geothermal Research, v. 6, p. 139-164.
- Kienle, Juergen, Kyle, P.R., Self, Stephen, Motyka, R.J., and Lorenz, Volker, 1980, Ukinrek Maars, Alaska, I. April 1977 eruption sequence, petrology and tectonic setting: Journal of Volcanology and Geothermal Research, v. 7, p. 11-37.
- Kienle, Juergen and Swanson, S.E., 1985, Volcanic hazards from future eruptions of Augustine Volcano, Alaska: University of Alaska Geophysical Institute Report, UAG R-275, 122 p.
- Kienle, Juergen, Davies, J.N., Miller, T.P., and Yount, M.E., 1986, (The) 1986 eruption of Augustine Volcano: Public safety response by Alaskan volcanologists: EOS, Transactions, American Geophysical Union, v. 67, no. 29, p. 580-582.
- Kienle, Juergen, Kowalik, Zygmunt, and Murty, T.S., 1987, Tsunamis generated by eruptions from Mount St. Augustine volcano, Alaska: Science, v. 236, p. 1442-1447.
- Kienle, Juergen, and Swanson, S.E., 1983, Volcanism in the eastern Aleutian arc: Late Quaternary and Holocene centers, tectonic setting, and petrology: Journal of Volcanology and Geothermal Research, v. 17, p. 393-432.
- Kosco, D.G., 1981, Part I: The Mt. Edgecombe volcanic field, Alaska: An example of tholeiitic and calc-alkaline volcanism, Part II: Characteristics of andesitic to dacitic volcanism at Katmai National Park, Alaska: Unpublished Ph.D. dissertation, University of California, Berkeley, 249 p.
- Lamb, Drew, Linneman, S.R., Myers, J.D., and Nicolaysen, K.E., 1992, Caldera formation on Yunaska Island, central Aleutian arc: EOS, Transactions, American Geophysical Union, 1992, Fall Meeting, v. 73, no. 43, p. 645.
- LeBas, M.J., LeMaitre, R.W., Streckeisen, A., and Zanettin, B., 1986, A chemical classification of volcanic rocks based on the total alkali-silica diagram: Journal Petrology, v. 27, part 3, p. 745-750.
- Lowney, P. B., 1946, Angry earth: Alaska Life, April.
- Marlow, M.S., Scholl, D.W., Buffington, E.C., and Alpha, T.R., 1973, Tectonic history of the central Aleutian arc: Geological Society of America Bulletin, v. 84, p. 1555-1574.
- Marsh, B.D., 1976, Some Aleutian andesites: Their nature and source: Journal of Geology, v. 84, p. 27-45.
- Marsh, B.D., 1990, Atka, Central Aleutian Islands, in Wood, C.A., and Kienle, Juergen, eds., Volcanoes of North America, Cambridge University Press, New York, NY, p. 29-31.

- Martin, G.C., and Katz, F.J., 1912, A geologic reconnaissance of the Iliamna region, Alaska: U.S. Geological Survey Bulletin 485, 138 p.
- Matumoto, Tosimatu, and Ward, P.L., 1967, Microearthquake study of Mt. Katmai and vicinity, Alaska: *Journal of Geophysical Research*, v. 72, p. 2557-2568.
- McGimsey, R.G., 1995, Report on Westdahl volcano: In *Bulletin of Volcanic Eruptions*, 1992, v. 32, p. 92-94.
- McGimsey, R.G., Richter, D.H., DuBois, G.D., and Miller, T.P., 1992, A postulated new source for the White River Ash, Alaska, in Bradley, D.C., and Ford, A.B., eds., *Geologic Studies in Alaska* by U.S. Geological Survey, 1990: U.S. Geol. Survey Bulletin 1999, p. 212-218.
- McLean, H., Engelhardt, C.L., and Howell, D.G., 1978, Reconnaissance geologic map of the Cold Bay and False Pass quadrangles, Alaska: U.S. Geological Survey Open-file Report, 78-323, 1 pl.
- McNutt, S.R., 1987, Eruption characteristics and cycles at Pavlof Volcano, eastern Aleutians, and their relation to regional earthquake activity: *Journal of Volcanology and Geothermal Research*, v. 31, p. 239-267.
- McNutt, S.R., Miller, T.P., and Taber, J.J., 1991, Geological and seismological evidence of increased explosivity during the 1986 eruptions of Pavlof Volcano, Alaska: *Bulletin of Volcanology*, v. 53, p. 86-98.
- McNutt, S.R., Tytgat, Guy, and Power, J.A., Preliminary analysis of volcanic tremor associated with the 1992 eruptions of Crater Peak, Mt. Spurr, Alaska. In T.E.C. Keith (Editor), *The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska*. U.S. Geological Survey Bulletin 2139, p. 161-178.
- Mendenhall, W.C., 1905, Geology of the central copper River region, Alaska: U.S. Geological Survey Professional Paper 41, 133 p.
- Mendenhall, W.C. and Schrader, F.C., 1903, The mineral resources of the Mt. Wrangell district, Alaska: U.S. Geological Survey Professional Paper, 15, 71 p.
- Miller, T.P., in press, Geology of the Ugashik-Mount Peulik volcanic center, Alaska Peninsula: U.S. Geol. Survey Map.
- Miller, T.P., and Kirianov, V.Yu., 1994, Timing of large Holocene volcanic events in the western Aleutian arc, Alaska [abs.]: EOS, *Transactions, American Geophysical Union*, v. 75, n. 44, p. 731.
- Miller, T.P., and Smith, R.L., 1977, Spectacular mobility of ash flows around Aniakchak and Fisher calderas, Alaska: *Geology*, v. 5, p. 173-176.
- Miller, T.P., and Smith, R.L., 1975, Two caldera-forming eruptions on Umnak Island, eastern Aleutian Islands: *The United States Geological Survey in Alaska: Accomplishments during 1975*: U.S. Geological Survey Circular 733, p 45.
- Miller, T.P., and Smith, R.L., 1987, Late Quaternary caldera-forming eruptions in the eastern Aleutian arc, Alaska: *Geology*, v. 15, p. 434-438.
- Miller, T.P., and Chouet, B.A., 1994, An introduction and chronology to the 1989-90 eruption of Redoubt Volcano, Alaska. In T.P. Miller and B.A. Chouet (Editors), *The 1989-90 eruptions of Redoubt volcano, Alaska*: *Journal of Volcanology and Geothermal Research*, v.62, nos. 1-4, p.1 -10.
- Miller, T.P., Neal, C.A., and Waitt, R.B., 1995, Pyroclastic flows of the 1992 Mt. Spurr eruptions: Distribution and origin. In T.E.C. Keith (Editor), *The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska*: U.S. Geological Survey Bulletin 2139, p. 81-88.
- Miyashiro, Akiho, 1974, Volcanic rock series in island arcs and active continental margins: *Amer. Jour. of Science* v. 274, p. 321-355.
- Moodie, D.W., Catchpole, A.J.W., and Abel, Kerry, 1992, Northern Athapaskan oral traditions and the White River volcano: *Ethnohistory*, v. 39, n. 2, p. 148-171.
- Motyka, R.J., and Benson, C.S., 1975, Recent investigations on the crater lake, Katmai Caldera, Alaska [abs]: *Transactions, American Geophysical Union*, v. 56, no. 12, p. 1072-1073.
- Motyka, R.J., Liss, S.A., Nye, C.J., and Moorman, M.A., 1993, Geothermal resources of the Aleutian arc: Alaska Division of Geological and Geophysical Surveys Professional Report 114, 17 p.
- Muller, E.H., Juhle, Werner, and Coulter, H.W., 1954, Current volcanic activity in Katmai National Monument (Alaska): *Science*, v. 119, no. 3088, p. 319-321.
- Myers, J.D., and Singer, B.S., 1987, Sequam Island, central Aleutian Islands, Alaska: I. Geologic field relations: EOS, *Transactions, American Geophysical Union*, v. 68, no. 44, p. 1525.
- Neal, C.A., McGimsey, R.G., Braitseva, O.A., Miller, T.P., Eichelberger, J.C., and Nye, C.J., 1992, Post-caldera eruptive history of Aniakchak caldera, Alaska: EOS, *American Geophysical Union Transactions*, v. 73, no. 43, p. 645.
- Neal, C.A., McGimsey, R.G., Gardner, C.A., Harbin, M.L., and Nye, C.J., 1994, Tephra-fall deposits from the 1992 eruptions of Crater Peak, Spurr Volcano, Alaska: A preliminary report on distribution, stratigraphy, and composition. In T.E.C. Keith (Editor), *The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska*: U.S. Geological Survey Bulletin 2139, p. 65-80.
- Neal, C.A., and McGimsey, R.G., 1997, 1996 volcanic activity in Alaska and Kamchatka: summary of events and response of the Alaska Volcano Observatory: U.S. Geol. Survey Open-File Report 97-433, 41p.
- Newhall, C.G., and Dzurisin, D., 1987, Historical Unrest at large calderas of the world: U.S. Geological Survey Bulletin 1855, v. 2, p. 721-731.
- Nicolaysen, K.E., Myers, J.D., Linneman, S.R., and Lamb, Drew, 1992, Geologic Relations of the Yuanaska volcanic complex, central Aleutian arc: EOS, *Trans. Amer. Geophysical Union*, 1992 Fall Meeting, p. 645.
- Nicolaysen, K.E., Myers, J.D., and Frost, C.D., 1994, Geochemical and isotopic evidence for magma recharge, Yunaska Island, Central Aleutian Arc, Alaska: v. 75, n. 16, p. 366.
- Nye, C.J., 1983, Petrology and geochemistry of Okmok and Wrangell Volcanoes, Alaska: Ph.D dissertation Univ. of California, Santa Cruz, 208p.
- Nye, C.J., 1986, Volcanic hazards constraints, in *Engineering Geology Technical feasibility study, Makushin geothermal power project, Unalaska, Alaska*: Alaska Division of Geological and Geophysical Surveys, Public Data File 86-60, p. E1-E11.
- Nye, C.J., 1987, Stratigraphy, petrology, and geochemistry of the Spurr volcanic complex, eastern Aleutian arc, Alaska: University of Alaska Fairbanks, Geophysical Institute Report, UAG R-311, 134 p.
- Nye, C.J., 1990, Makushin: eastern Aleutian Islands, in, C.A. Wood and Juergen Kienle, eds., *Volcanoes of North America*, Cambridge University Press, p. 41-43.

- Nye, C.J., and Reid, M.R., 1985, Geochemistry of primary and least fractionated lavas from Okmok volcano, central Aleutians: Implications for arc magmagenesis: *Journal of Geophysical Research*, v. 91, n. B10, p. 10,271-10,287.
- Nye, C.J., and Turner, D.L., 1990, Petrology, geochemistry, and age of the Spurr volcanic complex, eastern Aleutian arc: *Bulletin of Volcanology*, v. 52, p. 205-226.
- Nye, C.J., Harbin, M.L., Miller, T.P., Swanson, S.E., and Neal, C.A., 1995, Whole-rock major- and trace-element chemistry of 1992 ejecta from Crater Peak, Mt. Spurr, Alaska: A preliminary overview. In T.E.C. Keith (Editor), *The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska*: U.S. Geological Survey Bulletin, 2139, p. 119-128.
- Nye, C.J., Swanson, S.E., Avery, V.F., and Miller, T.P., 1994, Geochemistry of the 1989-90 eruption of Redoubt Volcano: Part I. Whole-rock major and trace element chemistry. In: T.P. Miller and B.A. Chouet (Editors), *The 1989-90 eruptions of Redoubt volcano, Alaska*: *Journal of Volcanology and Geothermal Research* v. 62, p. 429-452.
- Nye, C.J., Quenn, L.D., and Motyka, R.J., 1984, Geologic map of the Makushin geothermal area, Unalaska Island, Alaska: Alaska Div. Geol. Geophys. Surv. report of Invest. RI-84-3, 2 sheets, 1:24,000.
- Ort, M.H., Neal, C.A., McConnell, V.S., Wohletz, K.H., Duffield, W.A., and Lescinsky, D.T., 1993, Effects of prevailing wind on the distribution of surge and fallout deposits at Ukinrek Maars, Alaska: EOS, Transactions, American Geophysical Union, v. 74, no. 43, p. 639.
- Orth, D.J., 1967, Dictionary of Alaska place names: U.S. Geological Survey Professional Paper 567, 1084 p.
- Petroff, Ivan, 1884, Alaska: It's population, industries, and resources: U.S. Bureau of Census, 276 p.
- Power, J.A., Jolly, A.D., Page, R.A., and McNutt, S.R., 1995, Seismicity and forecasting of the 1992 eruptions of Crater Peak vent, Mt. Spurr, Alaska: An overview. In T.E.C. Keith (Editor), *The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska*: U.S. Geological Survey Bulletin 2139, p. 149-160.
- Powers, H.A., 1958, Alaska Peninsula-Aleutian Islands, p. 61-75, in Williams, Howel (ed.), *Landscapes of Alaska: Their geologic evolution*: University of California, Berkeley, 148 p.
- Ray, D.K., 1967, Geochemistry and petrology of the Mt. Trident andesites, Katmai National Monument, Alaska: Unpublished Ph.D. dissertation, University of Alaska, Fairbanks, 198 p.
- Reeder, J.W., 1983, Preliminary dating of the caldera forming Holocene volcanic events for the eastern Aleutian Islands [abs.]: *Geological Society of America Abstracts with Programs*, v. 15, p. 668.
- Reeder, J.W., 1988, Report on Korovin volcano: in *Bulletin of Volcanic Eruptions*, v. 50, p. 55-56.
- Reeder, J.W., 1992, Report on Gareloi volcano: in *Bulletin of Volcanic Eruptions*, v. 29, p. 70.
- Richter, D.H., Preece, S.J., McGimsey, R.G., and Westgate, J.A., 1995, Mount Churchill, Alaska: source of the late Holocene White River Ash: *Canadian Journal of Earth Science*, v. 32, p. 741-748.
- Richter, D.H., Smith, J.G., Ratté, J.C., and Leeman, W.P., 1984, Shield volcanoes in the Wrangell Mountains, Alaska, in: *The United States Geological Survey in Alaska: Accomplishments during 1982*: U.S. Geological Survey Circular 939, p. 71-75.
- Richter, D.H., Rosenkrans, D.S., and Steigerwald, M.J., 1995, Guide to the Volcanoes of the Western Wrangell Mountains, Alaska—Wrangell-St. Elias National Park and Preserve: U.S. Geological Survey Bulletin, 2072, 31 p.
- Riehle, J.R., Kienle, Juergen, and Emmel, K.S., 1981, Lahars in Crescent River valley, lower Cook Inlet, Alaska: Alaska Division of Geological and Geophysical Surveys Geologic Report, 53, 10 p.
- Riehle, J.R., 1985, A reconnaissance of the major Holocene tephra deposits in the upper Cook Inlet region, Alaska: *Journal of Volcanology and Geothermal Research*, v. 26, p. 37-74.
- Riehle, J.R., and Detterman, R.L., 1993, Quaternary geologic map of the Katmai quadrangle and adjacent parts of the Naknek and Atognak quadrangles, Alaska: USGS Misc. Inv. Map I-2032, 1:250,000.
- Robinson, G.D., 1948, Exploring Aleutian volcanoes: *National Geographic Magazine*, v. 94, p. 509-528.
- Romick, J. D., Perfit, M.R., Swanson, S.E., and Shuster, R.D., 1990, Magmatism in the eastern Aleutian Arc: temporal characteristic of igneous activity on Akutan Island: *Contributions to Mineralogy and Petrology*, v. 104, p. 700-721.
- Rose, W.I., Kostinski, A.B., and Kelley, Lee, 1995, Real time C-band radar observations of 1992 eruption clouds from Crater Peak, Mount Spurr volcano, Alaska. In T.E.C. Keith (Editor), *The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska*: U.S. Geological Survey Bulletin 2139, p. 19-26.
- Sapper, Karl, 1927, *Vulkankunde*: J. Engelhorn's Nachf. Stuttgart, p. 338-343.
- Scholl, D.W., Greene, R.G., and Marlow, M.S., 1970, Eocene age of the Adak 'Paleozoic(?)' rocks, Aleutian Islands, Alaska: *Geological Society America Bulletin*, v. 81, p. 3583-3592.
- Self, S., Kienle, J., and Huot, J.P., 1980, Ukinrek Maars, Alaska, II. Deposits and formations of the 1977 craters: *Journal of Volcanology and Geothermal Research*, v. 7, p. 39-65.
- Sekora, P., 1973, Aleutian Island National Wildlife Refuge wilderness report; preliminary draft: U.S. Fish and Wildlife Service, 409 p.
- Seward Weekly Gateway, March 14, 1908.
- Siebert, L., Glicken, H., and Kienle, J., 1989, Debris avalanches and lateral blasts at Mount St. Augustine volcano: Alaska: *National Geographic Research*, v. 5, p. 232-249.
- Simons, F.S., and Mathewson, D.E., 1955, *Geology of Great Sitkin Island, Alaska*: U.S. Geological Survey Bulletin 1028-B, p. 21-43.
- Simkin, T., Siebert, L., McClelland, L., Bridge, D., Newhall, C., Latter, J. H., 1981, *Volcanoes of the World*: Stroudsburg, Pennsylvania, Hutchinson Ross, 232 p.
- Simkin, T. and Siebert, L., 1994, *Volcanoes of the World*, 2nd Edition: Geoscience Press, Inc., Tucson, Arizona, 349 p.
- Singer, B.S., Myers, J.D., and Frost, C.D., 1992, Mid-Pleistocene lavas from the Sequam volcano center, central Aleutian arc: closed-system fractional crystallization of a basalt to rhyodacite eruptive suite: *Contributions to Mineralogy and Petrology*, v. 110, p. 87-112.
- Smith, W.R., 1925, Aniakhak Crater, Alaska Peninsula: U.S. Geological Survey Professional Paper 132-J, p. 139-149.
- Smithsonian Institution, 1969, Center for Short-Lived Phenomena, Report of 17 September 1969: Cambridge, Massachusetts.

- Smithsonian Institution, 1976, Scientific Event Alert Network Bulletin, v. 1, nos. 1, 3-4, 6-11, 13-14.
- Smithsonian Institution, 1977, Scientific Event Alert Network Bulletin, v. 2, nos. 1, 2-5.
- Smithsonian Institution, 1978, Scientific Event Alert Network Bulletin, v. 3, nos. 1, 2, 5, 9, 10.
- Smithsonian Institution, 1979, Scientific Event Alert Network Bulletin, v. 4, no. 2.
- Smithsonian Institution, 1980, Scientific Event Alert Network Bulletin, v. 5, nos. 7, 8, 9, 11.
- Smithsonian Institution, 1981, Scientific Event Alert Network Bulletin, v. 6, no. 9.
- Smithsonian Institution, 1982, Scientific Event Alert Network Bulletin, v. 7, no. 2.
- Smithsonian Institution, 1983, Scientific Event Alert Network Bulletin, v. 8, nos. 8, 10-12.
- Smithsonian Institution, 1984, Scientific Event Alert Network Bulletin, v. 9, nos. 1, 3.
- Smithsonian Institution, 1985, Scientific Event Alert Network Bulletin v. 10, no. 12.
- Smithsonian Institution, 1986, Scientific Event Alert Network Bulletin, v. 11, nos. 3-8, 9-12.
- Smithsonian Institution, 1987, Scientific Event Alert Network Bulletin, v. 12, nos. 1-4, 6-12.
- Smithsonian Institution, 1988, Scientific Event Alert Network Bulletin, v. 13, nos. 2, 4-8.
- Smithsonian Institution, 1989, Scientific Event Alert Network Bulletin, v. 14, nos. 4, 11-12.
- Smithsonian Institution, 1990, Scientific Event Alert Network Bulletin, v. 15, nos. 1-7, 9-12.
- Smithsonian Institution, 1991, Scientific Event Alert Network Bulletin, v. 16, no. 1, 11-12.
- Smithsonian Institution, 1992, Scientific Event Alert Network Bulletin, v. 17, nos. 1, 3-7, 11-12.
- Smithsonian Institution, 1993, Scientific Event Alert Network Bulletin, v. 18, nos. 1-2, 7-12.
- Snyder, G.L., 1954, Eruption of Trident Volcano Katmai National Monument, Alaska, February-June 1953: U.S. Geological Survey Circular, 318, 7 p.
- Snyder, G.L., 1959, Geology of Little Sitkin Island, Alaska: U.S. Geological Survey Bulletin, 1028-H, p. 169-210.
- Sturn, Matthew, Benson, Carl, and MacKeith, Peter, 1986, Effects of the 1966-1968 eruptions of Mount Redoubt on the flow of Drift Glacier: *Journal of Glaciology*, v. 32, no. 12, p. 355-362.
- Till, A.B., Yount, M.E., and Riehle, J.R., 1993, Redoubt Volcano, southern Alaska: A hazard assessment based on eruptive activity through 1968: U.S. Geological Survey Bulletin 1996, 19 p.
- Till, A.B., Yount, M.E., and Bevier, M.L., 1994, The geologic history of Redoubt volcano, Alaska. In T.P. Miller and B.A. Chouet (Editors), *The 1989-90 eruptions of Redoubt volcano, Alaska: Journal of Volcanology and Geothermal Research*, v. 62, nos. 1-4, p. 11-30.
- Tuck, B. H., Huskey, Lee, and Talbot, Liz., 1992, The economic consequences of the 1989-90 Mt. Redoubt eruptions: Institute of Social and Economic Research, University of Alaska Anchorage, unpublished report, 42 p.
- Turner, D.L., and Nye, C.J., 1986, Geochemistry of eruptive events at Mt. Spurr, Alaska, in Turner, D.L., and Wescott, E.M., eds., *Geothermal energy resource investigations at Mt. Spurr, Alaska: University of Alaska Fairbanks, Geophysical Institute Report, UAG R-308*, p. 2-1 to 2-7.
- U.S. Coast and Geodetic Survey, 1947, *United States Coast Pilot, Alaska: Pt. 2, Yakutat Bay to Arctic Ocean*, 5th edition [1948], 659 p.
- Veniaminov, Ivan, 1840, *Zapiski ob ostrovkh Unalashkinskago otdela* [Notes on the islands of the Unalashka District], St. Petersburg, translated by Black, L.T., and Geoghegan, R.H., 1984, Kingston, Ontario, Canada, 513 p.
- Waite, R.B., Mastin, L.G., and Miller, T.P., 1995, Ballistic showers during Crater Peak eruptions of Mount Spurr volcano, summer 1992. In T.E.C. Keith (Editor), *The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska: U.S. Geological Survey Bulletin 2139*, p. 89-106.
- Wentworth, C.K., 1951, *The Volcano Letter*, no. 514, 6 p.
- Wilcox, R.E., 1959, Some effects of recent volcanic ash falls with especial reference to Alaska: U.S. Geological Survey Bulletin, 1028-N, p. 409-476.
- Wilson, C.R., and Forbes, R.B., 1969, Infrasonic waves from Alaskan volcanic eruptions: *Journal and Geophysical Research*, v. 74, p. 4511-4522.
- Yount, M.E., Miller, T.P., and Gamble, B.M., 1987, The 1986 eruptions of Augustine Volcano, Alaska: Hazards and effects, in Hamilton, T.D., and Galloway, J.P., eds., *Geologic studies in Alaska by the U.S. Geological Survey during 1986: U.S. Geological Survey Circular 998*, p. 4-13.
- Yount, M.E., Miller, T.P., Emanuel, R.P., and Wilson, F.H., 1985, Eruption in an ice-filled caldera, Mount Veniaminof, Alaska Peninsula, in Bartch-Winkler, Susan, and Reed, K.M., eds., *The United States Geological Survey in Alaska, Accomplishments during 1983: U.S. Geological Survey Circular 945*, p. 58-60.
- Yount, M.E., and Miller, T.P., 1987, Hazards implications of the 1983-84 eruption of Mt. Veniaminof, Alaska (abs.): *Symposium Agenda and Abstracts, 1987 Geologic Hazards Symposium, Alaska Geological Society, Anchorage, Alaska.*