

COMPILATION OF REFERENCES ON GEOLOGY AND HYDROLOGY OF THE
SNAKE RIVER DRAINAGE BASIN ABOVE WEISER, IDAHO

By M. D. Bassick

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ABSTRACT

More than 1,100 references concerning geology and hydrology of the Snake River drainage basin above Weiser, Idaho, are compiled herein as part of the U.S. Geological Survey's RASA (Regional Aquifer-System Analysis) study of the Snake River Plain. The list of references is intended as a primary source of information for investigators concerned with previous studies in the basin. Reference numbers correlate with a key-word index to help the user select and locate desired references.

INTRODUCTION

The Snake River Plain is one of 28 regional aquifer systems in the United States selected for study by the U.S. Geological Survey in their RASA (Regional Aquifer-System Analysis) program. This report is one in a series resulting from the study, which began in October 1979.

As part of the Snake River Plain study, a literature search was made and a list of more than 1,100 reports concerning geology and hydrology was compiled. Reports listed were published prior to 1983 and concern areas in the Snake River drainage basin above Weiser, Idaho. Ready accessibility was a general criterion for including a report in this compilation. The compilation is intended as a primary source of information for investigators concerned about previous geological and hydrological studies in the basin.

REFERENCE SOURCES

References were obtained from the following agency publication lists, published bibliographies, computer library searches, and personal contributions. Not all publications were reviewed by the compiler.

- 1--Computer search of GEOREF data base produced by the American Geological Institute Corporation, using DIALOG Information Services, Inc.
- 2--Computer search of Water Resources Abstracts using DIALOG Information Services, Inc.
- 3--Birdsall, D. G., ed., 1980, Dissertations and theses about Idaho, 1900-1978: Pocatello, Idaho State University, 84 p.
- 4--Brockway, C. E., Johnson, G. S., and Ramseyer, S. A., 1984, Water resource references for the Snake River basin above Swan Falls: Moscow, Idaho Water and Energy Resources Research Institute, 61 p.
- 5--Idaho Bureau of Mines and Geology, 1983, List of publications: Moscow, Idaho, 28 p.
- 6--Idaho Water and Energy Resources Research Institute, 1983, Publication list: Moscow, University of Idaho, variously paginated.
- 7--Milligan, J. H., Lyman, R. A., Falter, C. M., Krumpe, E. E., and Carlson, J. E., 1983, Idaho's fresh water lakes: Moscow, Idaho Water and Energy Resources Research Institute, variously paginated.
- 8--Snake River Conservation Research Center, 1981, List of publications: Kimberly, Idaho, 33 p.
- 9--Whitehead, R. L., 1965, List of reports pertaining to, or containing information on, ground water in the State of Idaho through June 1965: U.S. Geological Survey Open-File Report, 21 p.

ORGANIZATION AND USE OF THIS REPORT

The following references are separated into the general categories of geology (Nos. 1-679) and hydrology (Nos. 680-1107). Geophysical studies are grouped under geology; geochemical studies may be in either category, depending on the main emphasis as interpreted from the report title. Reference numbers correlate with a key-word index to help the user select and locate desired references. Most key words were obtained from report titles.

REFERENCES

Geology

1. Ackermann, H. D., 1979a, Seismic refraction study of the Raft River geothermal area, Idaho: Geophysics, v. 44, no. 2, p. 216-255.
2. --- 1979b, Velocity structure to 3,000 meter depth at the Idaho National Engineering Laboratory, eastern Snake River Plain: Eos (American Geophysical Union, Transactions), v. 60, no. 46, p. 942.
3. Albee, H. F., Prostka, H. J., Jobin, D. A., and Love, J. D., 1975, Field trip guide to Idaho-Wyoming thrust-fault zone: Geological Society of America Annual Meeting, 28th, Boise, Idaho, 1975, Guidebook.
4. Allmendinger, R. W., 1979a, Late Cenozoic deformation and the age of Basin and Range faulting in the Blackfoot Mountains, southeastern Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 3.
5. --- 1979b, Structural evolution of the northern Blackfoot Mountains, southeastern Idaho: Stanford, Calif., Stanford University, Ph.D. dissertation, 296 p.
6. --- 1980, Geologic map of the south half of the Ammon quadrangle, Bingham and Bonneville Counties, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-1259, scale 1:24,000.
7. --- 1981, Structural geometry of the Meade plate in the northern Blackfoot Mountains, southeastern Idaho: American Association of Petroleum Geologists Bulletin, v. 65, p. 509-525.
8. --- 1982, Sequence of late Cenozoic deformation in the Blackfoot Mountains, southeastern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 505-516.
9. American Association of Stratigraphic Nomenclature, 1970, Code of stratigraphic nomenclature (2d ed.): Tulsa, Okla., American Association of Petroleum Geologists, 21 p.

10. Anderson, A. L., 1928, Portland cement materials near Pocatello, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 23, 15 p.
11. --- 1931, Geology and mineral resources of eastern Cassia County, Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 14, 169 p.
12. --- 1934, Geology of the Pearl-Horseshoe Bend gold belt, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 41, 36 p.
13. --- 1939, Geology and ore deposits of the Atlanta district, Elmore County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 49, 71 p.
14. --- 1943, Geology of the gold-bearing lodes of the Rocky Bar district, Elmore County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 65, 39 p.
15. Anderson, A. L., and Wagner, W. R., 1944, Lead-zinc-copper deposits of the Birch Creek district, Clark and Lemhi Counties, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 70, 43 p.
16. --- 1952, Reconnaissance geology and ore deposits of the mineral district, Washington County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 95, 26 p.
17. Anderson, John, 1981, Drilling and completion report-- Capital mall geothermal exploratory well no. 1: Idaho Department of Energy contract DE-AS07-77ET28407, 13 p.
18. Anderson, N. R., 1965, Upper Cenozoic stratigraphy of the Oreana, Idaho, 15-minute quadrangle: Salt Lake City, University of Utah, Ph.D. dissertation, 212 p.
19. Applegate, J. K., and Donaldson, P. R., 1975, Passive and active seismic studies and the geologic structure of the Boise Front, Idaho [abs.]: Society of Exploration Geophysicists Annual International Meeting, 45th, Denver, Colo., Abstracts, 25 p.
20. Armstrong, F. C., 1969, Geologic map of the Soda Springs quadrangle, southeastern Idaho: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-557, scale 1:48,000, 2 sheets.

21. Armstrong, F. C., and Cressman, E. R., 1963, The Bannock thrust zone, southeastern Idaho: U.S. Geological Survey Professional Paper 374-J, 22 p.
22. Armstrong, F. C., and Oriel, S. S., 1965, Tectonic development of Idaho-Wyoming thrust belt: American Association of Petroleum Geologists Bulletin, v. 49, p. 1847-1866.
23. Armstrong, R. L., 1968, Mantled gneiss domes in the Albion Mountains, southern Idaho: Geological Society of America Bulletin, v. 79, p. 1295-1314.
24. --- 1970, Mantled gneiss domes in the Albion Range, southern Idaho, a revision: Geological Society of America Bulletin, v. 81, p. 909-910.
25. --- 1971, K-Ar chronology of Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, p. 366.
26. --- 1974, Volcanic-tectonic evolution of the Snake River Plain: Eos (American Geophysical Union, Transactions), v. 56, no. 12.
27. --- 1975a, Episodic volcanism in the central Oregon Cascade Range, confirmation and correlation with the Snake River Plain: Geology, v. 3, no. 7, p. 356-357.
28. --- 1975b, The geochronometry of Idaho: Isochron West, no. 14, p. 1-50.
29. --- 1976, The geochronometry of Idaho: Isochron West, no. 15, p. 1-33.
30. --- 1982, Magnetic stratigraphy of Pliocene deposits of the Glenns Ferry Formation, Idaho, and its implications for North American biostratigraphy, discussion and reply: American Journal of Science, v. 285, no. 5, p. 730-733.
31. Armstrong, R. L., Harakal, J. E., and Neill, W. M., 1980, K-Ar dating of Snake River Plain (Idaho) volcanic rocks--new results: Isochron West, no. 27, p. 5-10.
32. Armstrong, R. L., and Hills, F. A., 1967, Rubidium-strontium and potassium-argon geochronologic studies of mantled gneiss domes, Albion Range, southern Idaho, U.S.: Earth and Planetary Science Letters, v. 3, p. 114-124.

33. Armstrong, R. L., Leeman, W. P., and Malde, H. E., 1975, K-Ar dating, Quaternary and Neogene volcanic rocks of the Snake River Plain, Idaho: American Journal of Science, v. 275, no. 3, p. 225-251.
34. Armstrong, R. L., Smith, J. E. Jr., Covington, H. R., and Williams, P. L., 1978, Preliminary geologic map of the west half of the Pocatello 1 by 2 degree quadrangle, Idaho: U.S. Geological Survey Open-File Report 78-533, scale 1:250,000.
35. Armstrong, R. L., Taubeneck, W. H., and Hales, P. O., 1977, Rb-Sr and K-Ar geochronometry of Mesozoic granitic rocks and their Sr isotopic composition, Oregon, Washington, and Idaho: Geological Society of America Bulletin, v. 88, p. 397-411.
36. Asher, R. R., 1965, Volcanic construction materials in Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 135, 150 p.
37. --- 1968, Geology and mineral resources of a portion of the Silver City region, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 138, 106 p.
38. Atwater, Tanya, 1970, Implications of plate tectonics for the Cenozoic tectonic evolution of western North America: Geological Society of America Bulletin, v. 81, p. 3513-3536.
39. Bach, T. C., Lambert, D. G., and Barker, T. G., 1980, A source model for the March 28, 1975, Pocatello valley earthquake from time-domain modeling of teleseismic P-waves: Seismology Society of America Bulletin, v. 70, no. 2, p. 405-418.
40. Baker, M. R., Braile, L. W., and Smith, R. B., 1979, Processing techniques for the enhancement of Yellowstone-Snake River Plain seismic refraction data: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
41. --- 1982, Amplitude and phase normalization of seismograms from multiple seismograph recording systems for the Yellowstone-Snake River Plain seismic refraction experiment: Journal of Geophysical Research, pt. B, v. 87, no. 4, p. 2611-2618.

42. Baldwin, E. M., 1951, Faulting in the Lost River Range area of Idaho: American Journal of Science, v. 248, p. 884-902.
43. Baldwin, Mork, and Youngs, F. O., 1925, Soil survey of the Twin Falls area, Idaho: U.S. Department of Agriculture, Bureau of Soils, 52 p.
44. Ballard, S. M., 1924, Geology and gold resources of Boise basin, Boise County, Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 9, 103 p.
45. Barraclough, J. T., 1976, Geohydrologic summary of the Snake River Plain aquifer in southeastern Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 8, no. 3, p. 352-353.
46. Barraclough, J. T., Robertson, J. B., and Janzer, V. J., 1977, Geohydrologic study of a burial site for solid low-level radioactive wastes at the Idaho National Engineering Laboratory: U.S. Geological Survey Open-File Report.
47. Basham, W. L., and Larson, E. F., 1978, Paleomagnetic evidence for clockwise rotation in western Idaho, eastern Oregon, and northern Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 10, no. 5, p. 210.
48. Bennett, E. H. II, 1976, Reconnaissance geology and geochemistry of the South Mountain-Juniper Mountain region, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 166, 68 p.
49. --- 1980, Reconnaissance geology and geochemistry of the Trinity Mountain-Steel Mountain area, Elmore County, Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 80-11, 56 p.
50. Bennett, E. H. II, and Galbraith, J. H., 1975, Reconnaissance geology and geochemistry of the Silver City-South Mountain region, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 162, 38 p.
51. Bernt, John, 1982, Geology of the southern J-P Desert, Owyhee County, Idaho: Moscow, University of Idaho, M.S. thesis, 73 p.

52. Bernt, John, and Bonnichsen, Bill, 1982, Pre-Cougar Point tuff volcanic rocks near the Idaho-Nevada border, Owyhee County, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 321-330.
53. Best, M. G., and Hamblin, W. K., 1973, Origin of the northern Basin and Range province--implications from the geology of its eastern boundary, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 313-340.
54. Bhattacharyya, B. K., and Leu, L. K., 1975, Analysis of magnetic anomalies over Yellowstone National Park--mapping of Curie point isothermal surface for geothermal reconnaissance: Journal of Geophysical Research, v. 80, p. 4461-4465.
55. Bhattacharyya, B. K., and Mabey, D. R., 1980, Interpretation of magnetic anomalies over southern Idaho using generalized multibody models: U.S. Geological Survey Open-File Report 80-457, 59 p.
56. Birkett, T. C., Stout, M. Z., and Nicholls, J., 1978, Mineralogy and petrology of Quaternary lavas from the Snake River Plain, Idaho, discussion and reply: Canadian Journal of Earth Science, v. 15, no. 5, p. 859-862.
57. Blackwell, D. D., 1969, Heat-flow determinations in the northwestern United States: Journal of Geophysical Research, v. 74, p. 992-1007.
58. --- 1978, Heat flow and energy loss in the western United States, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 175-208.
59. Blank, H. R. Jr., and Gettings, M. E., compilers, 1974, Complete Bouguer gravity map, Yellowstone-Island Park region, Idaho-Montana-Wyoming: U.S. Geological Survey Open-File Report 74-22, scale 1:125,000.
60. Bond, J. G., and others, 1973, Geologic map of Idaho: Moscow, Idaho Bureau of Mines and Geology, scale 1:500,000.

61. Bonini, W. E., and Lavin, P. M., 1975, Gravity anomalies in southern Idaho and southwestern Montana: Geological Society of America Bulletin, v. 68, p. 1702.
62. Bonnichsen, Bill, 1981, Stratigraphy and measurements of magnetic polarity for volcanic units in the Bruneau-Jarbridge eruptive center, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 81-5, 75 p.
63. --- 1982a, The Bruneau-Jarbridge eruptive center, southwestern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 237-254.
64. --- 1982b, Chemical composition of the Cougar Point tuff and rhyolite lava flows from the Bruneau-Jarbridge eruptive center, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 82-1, 22 p.
65. --- 1982c, Giant rhyolite lava flows in the Bruneau-Jarbridge eruptive center, southwestern Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 14, no. 7.
66. --- 1982d, Rhyolite lava flows in the Bruneau-Jarbridge eruptive center, southwestern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 283-320.
67. Bonnichsen, Bill, and Citron, G. P., 1982, The Cougar Point tuff, southwestern Idaho and vicinity, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 255-281.
68. Bonnichsen, Bill, Travers, W. B., and Citron, G. P., 1975, Rhyolitic volcanism and structural evolution of the Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 589-590.
69. Bonnichsen, Bill, Travers, W. B., and Weathers, Maura, 1973, Regional doming and rhyolitic volcanism, Snake River Plain, Idaho [abs.]: Eos (American Geophysical Union, Transactions), v. 54, no. 4, p. 512.

70. Bonnicksen, Bill, and Breckenridge, R. M., eds., 1982, Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, 725 p.
71. Braile, L. W., Keller, G. R., Martin, W. R., and Mazzella, F. E., 1977, Crustal structure of the Columbia Plateau and Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 7, p. 908-909.
72. Braile, L. W., and Smith, R. B., 1979, The structure of the crust in the Yellowstone-Snake River Plain area and adjacent provinces and implications for crustal evolution: Eos (American Geophysical Union, Transactions), v. 60, no. 46, p. 941.
73. Braile, L. W., Smith, R. B., Ansorge, J., Baker, M. R., Prodehl, C., Healy, J. H., Mueller, S., Olsen, K. H., Priestly, K. F., and Brune, J., 1979, The Yellowstone-Snake River Plain seismic profiling experiment--eastern Snake River Plain: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
74. Braile, L. W., Smith, R. B., Ansorge, J., Baker, M. R., Sparlin, M. A., Prodehl, C., Schilly, M. M., Healy, J. H., Mueller, S., and Olsen, K. H., 1982, The Yellowstone-Snake River Plain seismic profiling experiment--crustal structure of the eastern Snake River Plain: Journal of Geophysical Research, pt. B, v. 87, no. 4, p. 2597-2609.
75. Breckenridge, R. M., Bennett, E. H., and Harbour, J. L., compilers, 1980, Energy resources of Idaho: Moscow, Idaho Bureau of Mines and Geology Map 3, scale 1:1,000,000.
76. Breckenridge, R. M., compiler, 1982, Oil and gas exploration in Idaho: Moscow, Idaho Bureau of Mines and Geology Map 4, scale 1:1,000,000.
77. Bright, R. C., 1963, Pleistocene lakes, Thatcher and Bonneville, southeastern Idaho: Minneapolis, University of Minnesota, Ph.D. dissertation, 292 p.
78. --- 1966, Pollen and seed stratigraphy of Swan Lake, southeastern Idaho--its relation to regional vegetation history and to Lake Bonneville history: Pocatello, Idaho State University, Museum of Natural History, Tebiwa, v. 9, no. 2, 47 p.

79. --- 1967, Late Pleistocene stratigraphy in Thatcher basin, southeastern Idaho: Pocatello, Idaho State University, Museum of Natural History, Tebiwa, v. 10, no. 1, p. 1-7.
80. --- 1982, Paleontology of the lacustrine member of the American Falls lake beds, southeastern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 597-614.
81. Brock, M. R., and Grolier, M. J., 1973, Chemical analyses of 305 basalt samples from the Columbia River Plateau, Washington, Oregon, and Idaho: U.S. Geological Survey Open-File Report 73-33, 35 p.
82. Brott, C. A., and Blackwell, D. D., 1977, Heat flow and elevation models for continental thermal events applied to the Snake River Plain, Idaho: Eos (American Geophysical Union, Transactions), v. 58, no. 12.
83. --- 1979a, Heat flow in the eastern Snake River Plain, Idaho: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
84. --- 1979b, Terrestrial heat-flow measurements in an underground river located in the eastern Snake River Plain, Idaho: Geothermal Resources Council Transactions, v. 3, p. 69-72.
85. Brott, C. A., Blackwell, D. D., and Mitchell, J. C., 1975, Heat flow studies of the Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 590-591.
86. --- 1977, Regional heat and the geothermal character of the Snake River Plain, Idaho, in Geothermal--state of the art, v. 1: Geothermal Resources Council Annual Meeting, San Diego, Calif., 1977, Transactions, p. 31-32.
87. --- 1978, Tectonic implications of the heat flow of the western Snake River Plain, Idaho: Geological Society of America Bulletin, v. 89, p. 1697-1707.
88. Brott, C. A., Blackwell, D. D., and Ziagos, J. P., 1981, Thermal and tectonic implications of heat flow in the eastern Snake River Plain: Journal of Geophysical Research, v. 86, p. 11709-11734.

89. Brott, C. A., and Mitchell, J. C., 1976, Heat-flow study of Snake River Plain, Idaho: American Association of Petroleum Geologists Bulletin, v. 60, no. 8.
90. Broughton, P. L., 1972, Precious opal mining in the Snake River Plain rhyolites, Idaho: Journal of Gemology, v. 13, no. 3, p. 100-104.
91. Bullard, F. M., and Rylander, D. L., 1970, Holocene volcanism in the Craters of the Moon National Monument and adjacent areas, south-central Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 2, no. 4, p. 273-274.
92. Bush, R. R., 1980, Gravity survey of the Tyhee area, Bannock County, Idaho: Pocatello, Idaho State University, M.S. thesis.
93. Bushnell, Kent, 1967, Geology of the Rowland quadrangle, Elko County, Nevada: Nevada Bureau of Mines Bulletin 67, 38 p.
94. Buwalda, J. P., 1923, A preliminary reconnaissance of the gas and oil possibilities of southwestern and south-central Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 5, 10 p.
95. --- 1924, The age of the Payette Formation and the old erosion surface in Idaho: Science, v. 60, p. 572-573.
96. Camp, V. E., and Hooper, P. R., 1981, Geologic studies of the Columbia Plateau, pt. 1--Late Cenozoic evolution of the southeast part of the Columbia Plateau basalt province: Geological Society of America Bulletin, v. 92, p. 659-668.
97. Camp, V. E., Hooper, P. R., Swanson, D. A., and Wright, T. L., 1982, Columbia River Basalt in Idaho--physical and chemical characteristics, flow distribution, and tectonic implications, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 55-75.
98. Capps, S. R., 1941, Faulting in western Idaho and its relation to the high placer deposits: Moscow, Idaho Bureau of Mines and Geology Pamphlet 56, 20 p.
99. Carlson, R. W., Lugmair, G. W., and MacDougall, J. D., 1981, Columbia River volcanism--the question of mantle heterogeneity of crustal contamination: Geochimica et Cosmochimica Acta, v. 45, p. 2483-2499.

100. Carr, W. J., and Trimble, D. E., 1963, Geology of the American Falls quadrangle, Idaho: U.S. Geological Survey Bulletin 1121-G, 44 p.
101. Champion, D. E., 1973, The relationship of large scale surface morphology to lava flow direction, Wapi lava field, southeastern Idaho: Buffalo, State University of New York, M.A. thesis, 48 p.
102. Champion, D. E., Dalrymple, G. B., and Kuntz, M. A., 1981, Radiometric and paleomagnetic evidence for the Emperor reversed polarity event at 0.46 ± 0.05 m.y. in basalt lava flows from the eastern Snake River Plain, Idaho: Geophysical Research Letters, v. 8, no. 10, p. 1055-1058.
103. Champion, D. E., Dalrymple, G. B., Kuntz, M. A., and Doherty, D. J., 1979, Reversed polarity lava flows with a late Pleistocene volcanic sequence from the Snake River Plain, Idaho--a possible reversed event within the Brunhes normal polarity epoch: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
104. Champion, D. E., and Shoemaker, E. M., 1977, Paleomagnetic evidence for episodic volcanism on the Snake River Plain [abs.]: Planetary Geology Field Conference on the Snake River Plain, Idaho: U.S. National Aeronautics and Space Administration Technical Memorandum TM-78.436, p. 7-9.
105. Christiansen, E. H., 1979, Distribution pattern of volcanic vents in the eastern Snake River Plain: Eos (American Geophysical Union, Transactions), v. 60, no. 46, p. 945-946.
106. Christiansen, R. L., 1974, Quaternary volcanism of the Yellowstone rhyolite plateau region, Wyoming-Idaho-Montana: Eos (American Geophysical Union, Transactions), v. 56, no. 12.
107. --- 1975, Origin and geothermal potential of Island Park, eastern Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, p. 595-596.
108. --- 1982, Late Cenozoic volcanism of the Island Park area, eastern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 345-368.

109. Christiansen, R. L., and Blank, H. R. Jr., 1969, Volcanic evolution of the Yellowstone rhyolite plateau and eastern Snake River Plain, U.S.A., in Symposium on Volcanoes and Their Roots, Oxford, 1969 volume of abstracts: International Association of Volcanology and Chemistry of the Earth's Interior, Oxford, England, Oxford University, p. 220-221.
110. --- 1972, Volcanic stratigraphy of the Quaternary rhyolite plateau in Yellowstone National Park: U.S. Geological Survey Professional Paper 729-B, 18 p.
111. Christiansen, R. L., and Lipman, P. W., 1972, Cenozoic volcanism and plate tectonic evolution of the western United States, pt. II. Late Cenozoic: Royal Society of London Philisophical Transactions, ser. A, v. 271, p. 249-284.
112. Christiansen, R. L., and Love, J. D., 1978, The Pliocene Conant Creek tuff in the northern part of the Teton Range and Jackson Hole, Wyoming: U.S. Geological Survey Bulletin 1435-C, 9 p.
113. Christiansen, R. L., and McKee, E. H., 1978, Late Cenozoic volcanic and tectonic evolution of the Great Basin and Columbia intermountain regions, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 283-311.
114. Citron, G. P., 1976, Idavada ash flows in the Three Creek area, southwestern Idaho, and their regional significance: New York, Cornell University, M.S. thesis, 83 p.
115. Clayton, Janine, 1981, Geomorphology of selected alluvial fans of southeastern Idaho: Pocatello, Idaho State University, M.S. thesis, 67 p.
116. Climap project members, 1976, The surface of the ice-age Earth: Science, v. 191, p. 1131-1144.
117. Cline, K. M., and Niccum, M. R., 1978, Mid-late Cenozoic faulting in central Idaho north of the Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 10, no. 5, p. 213.

118. Cline, K. M., Niccum, M. R., and Jackson, M., 1980, Estimating seismic hazards using past rupture patterns of faults near the eastern Snake River Plain, Idaho, in Engineering Geology and Soils Engineering Symposium, 18th, Boise, Idaho, 1980, Proceedings: Boise, Idaho Transportation Department, p. 97-98.
119. Coats, R. R., 1964, Geology of the Jarbidge quadrangle, Nevada-Idaho: U.S. Geological Survey Bulletin 1141-M, 24 p.
120. --- 1968, The Circle Creek rhyolite, a volcanic complex in northern Elko County, Nevada: Geological Society of America Memoir 116, p. 69-106.
121. Coats, R. R., and McKee, E. H., 1972, Ages of plutons and types of mineralization, northwestern Elko County, Nevada: U.S. Geological Survey Professional Paper 800-C, p. C165-C168.
122. Compton, R. R., 1975, Geologic map of the Park Valley quadrangle, Box Elder County, Utah, and Cassia County, Idaho: U.S. Geological Survey Miscellaneous Investigations Map I-873, scale 1:31,630, 6 p.
123. Compton, R. R., Todd, V. R., Zartman, R. E., and Naeser, C. W., 1977, Oligocene and Miocene metamorphism, folding, and low-angle faulting in northwestern Utah: Geological Society of America Bulletin, v. 88, p. 1237-1250.
124. Cook, E. F., 1954, Late Pleistocene age of the Snake River diversion [Idaho-Oregon] [abs.]: Geological Society of America Bulletin, v. 65, no. 12, pt. 2.
125. --- 1957, Radioactive minerals in Idaho: Moscow, Idaho Bureau of Mines and Geology Mineral Resources Report 8, 5 p.
126. Corbett, M. K., 1975, Structural development of the eastern Snake River Plain, Idaho--as an intracontinental rift [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 599-600.
127. Cotter, J. F. P., 1980, The glacial geology of the North Fork of the Big Lost River, Custer County, Idaho: Bethlehem, Pa., Lehigh University, M.S. thesis, 102 p.

128. Covington, H. R., 1976 [1977], Geologic map of the Snake River canyon near Twin Falls, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-809, scale 1:24,000, 2 sheets.
129. --- 1977a, Deep drilling data, Raft River geothermal area, Idaho--Raft River geothermal exploration well no. 1: U.S. Geological Survey Open-File Report 77-226, 1 pl.
130. --- 1977b, Deep drilling data--Raft River geothermal area, Idaho--Raft River geothermal exploration well no. 2: U.S. Geological Survey Open-File Report 77-243, 1 pl.
131. --- 1977c, Deep drilling data, Raft River geothermal area, Idaho--Raft River geothermal exploration well no. 3: U.S. Geological Survey Open-File Report 77-616, 1 pl.
132. --- 1977d, Deep drilling data, Raft River geothermal area, Idaho--Raft River geothermal exploration well no. 3, sidetrack C: U.S. Geological Survey Open-File Report 77-883, 1 pl.
133. --- 1977e, Map showing areas of potential rockfalls in the Snake River canyon near Twin Falls, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-862, scale 1:24,000, 2 sheets.
134. --- 1977f, Preliminary geologic map of the Pillar Butte, Pillar Butte NE, Pillar Butte SE, and Rattlesnake Butte quadrangles, Bingham, Blaine, and Power Counties, Idaho: U.S. Geological Survey Open-File Report 77-779, scale 1:48,000, 1 pl.
135. --- 1978, Deep drilling data, Raft River geothermal area, Idaho--Raft River geothermal exploration well no. 4: U.S. Geological Survey Open-File Report 78-91, 1 pl.
136. --- 1979a, Deep drilling data, Raft River geothermal area, Idaho, Raft River geothermal production well no. 4: U.S. Geological Survey Open-File Report 79-662, 1 pl.
137. --- 1979b, Deep drilling data, Raft River geothermal area, Idaho--Raft River geothermal production well no. 5: U.S. Geological Survey Open-File Report 79-382, 1 pl.

138. --- 1980, Subsurface geology of the Raft River geothermal area, Idaho: Geothermal Resources Council Transactions, v. 4, p. 113-115.
139. Cox, Allen, Doe, R. R., and Dalrymple, G. B., 1965, Quaternary paleomagnetic stratigraphy, in Wright, H. E. Jr., and Frey, D. G., eds., The Quaternary of the United States: Princeton, N.J., Princeton University Press, p. 817-829.
140. Craig, H., Welhan, J. A., Poreda, R., and Lupton, J. E., 1979, Helium isotope variations in the Yellowstone Snake River Plain region and western U.S.: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
141. Creighton, D., and King, J. S., 1981, The Menan complex, eastern Snake River Plain, Idaho: U.S. National Aeronautics and Space Administration Technical Memorandum 84211, p. 190-191.
142. Crittenden, M. D. Jr., 1963, New data on the isostatic deformation of Lake Bonneville: U.S. Geological Survey Professional Paper 454-E, 31 p.
143. Crittenden, M. D. Jr., Coney, P. J., and Davis, G. H., 1978, Penrose conference report--tectonic significance of metamorphic core complexes in the North American cordillera: Geology, v. 6, p. 79-80.
144. Cross, T. A., and Pilger, R. H. Jr., 1978, Constraints on absolute motion and plate interaction inferred from Cenozoic igneous activity in the western United States: American Journal of Science, v. 278, p. 865-902.
145. Crosthwaite, E. G., 1973, A progress report on results of test drilling and ground-water investigations of the Snake Plain aquifer, southeastern Idaho, pt. 1, Mud Lake region, 1969-70, pt. 2 Observation wells south of Arco and west of Aberdeen: Idaho Department of Water Resources Water Information Bulletin 32, 60 p.
146. --- 1974, A progress report on results of test drilling and ground-water investigations of the Snake Plain aquifer, southeastern Idaho, pt. 3, Lake Walcott-Bonanza Lake area: Idaho Department of Water Resources Water Information Bulletin 38, 25 p.

147. --- 1976, Basic data from five core holes in the Raft River geothermal area, Cassia County, Idaho: U.S. Geological Survey Open-File Report 76-665, 12 p.
148. Dalrymple, G. B., Champion, D. E., and Kuntz, M. A., 1982, Volcanic hazards, in Schneider, Robert, Roseboom, E. H. Jr., Robertson, J. B., and Stevens, P. R., U.S. Geological Survey research in radioactive waste disposal; fiscal year 1979: U.S. Geological Survey Circular 847, p. 21-22.
149. Daniel, R. G., and Boone, D. M., 1982, Anomalous shear wave delays and surface wave velocities at Yellowstone caldera, Wyoming: Journal of Geophysical Research, v. 87, p. 2731-2744.
150. Daniels, D. M., Hansen, H. L., Priest, T. W., and Perrin, W. G., 1969, Soil survey, Teton area, Idaho-Wyoming: U.S. Department of Agriculture, Soil Conservation Service, 95 p.
151. Davis, G. H., and Coney, P. J., 1979, Geologic development of the cordilleran metamorphic core complexes: Geology, v. 7, p. 120-124.
152. Desborough, G. A., and Postad, O., 1980, Hydrated aluminum hydroxy-fluoride, a malstonite-like mineral at Big South Butte, Snake River Plain, Idaho: American Mineralogist, v. 65, no. 9-10, p. 1057-1058.
153. Deutsch, Morris, 1953, Geology and hydrology of site 6, National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22026, 20 p.
154. Deutsch, Morris, Nace, R. L., and Shuter, Eugene, 1954, Geology and ground-water resources of a part of western Jefferson County adjacent to the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22028, 24 p.
155. Deutsch, Morris, Nace, R. L., and Voegeli, P. T., 1952, Geology, ground water, and waste-disposal at the Aircraft Nuclear Propulsion Site, National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22023, 45 p.

156. Deutsch, Morris, Voegeli, P. T., Nace, R. L., and Jones, J. R., 1952, Geology and ground water in the northeastern part of the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22022, 61 p.
157. Deutsch, Morris, and West, S. W., 1952, Geology of site 14 and vicinity, National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22019, 37 p.
158. Devine, S. C., and Bonnicksen, Bill, 1980, Petrography of drill cores from the Raft River geothermal area, southern Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 80-10, 81 p.
159. Doe, B. R., Leeman, W. P., Christiansen, R. L., and Hedge, C. E., 1982, Lead and strontium isotopes and related trace elements as genetic tracers in the upper Cenozoic rhyolite-basalt association of the Yellowstone Plateau volcanic field: Journal of Geophysical Research, v. 87, p. 4785-4806.
160. Doherty, D. J., 1976, Ground surge deposits in eastern Idaho: Detroit, Mich., Wayne State University, M.S. thesis, 114 p.
161. --- 1979a, Drilling data from exploration well 1, NE 1/4, sec. 22, T. 2 N., R. 32 E., Bingham County, Idaho: U.S. Geological Survey Open-File Report 79-1225.
162. --- 1979b, Drilling data from exploration well 2-2A, NW 1/4, sec. 15, T. 5 N., R. 31 E., Idaho National Engineering Laboratory, Butte County, Idaho: U.S. Geological Survey Open-File Report 79-851.
163. --- 1980, Geology, volcanology, and geothermal significance of the eastern Snake River Plain, Idaho: western Texas Geological Society Newsletter, v. 20.
164. --- 1981, Volcanic geology of the southern portion of the Rexburg caldera complex: Lincoln, University of Nebraska, Ph.D. dissertation.
165. Doherty, D. J., McBroome, L. A., and Kuntz, M. A., 1979, Preliminary geological interpretation and lithologic log of the exploratory geothermal test well (INEL-1), Idaho National Engineering Laboratory, eastern Snake River Plain, Idaho: U.S. Geological Survey Open-File Report 79-1248, 10 p.

166. Doherty, D. J., and Nash, K. G., 1977, Remote sensing identification of caldera related geologic features in the eastern Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 6, p. 719-720.
167. Dort, Wakefield Jr., 1958, Sand dunes of northeastern Snake River Plain, Idaho [abs.]: Geological Society of America Bulletin, v. 69, no. 12, pt. 2.
168. --- 1969, Geologic evidence of late-glacial recurrent climatic fluctuations, southeastern Idaho [abs.]: Geological Society of America Abstracts with Programs, pt. 7.
169. Dover, J. H., 1969, Bedrock geology of the Pioneer Mountains, Blaine and Custer Counties, central Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 142, 66 p.
170. Dover, J. H., Hall, W. E., Hobbs, S. W., Tschanz, C. M., Batchelder, J. N., and Simons, F. S., 1976, Geologic map of the Pioneer Mountains region, Blaine and Custer Counties, Idaho: U.S. Geological Survey Open-File Report 76-75, scale 1:62,500.
171. Eaton, G. P., 1976, Fundamental bilateral symmetry of the western Basin and Range Province [abs.]: Geological Society of America Abstracts with Programs, v. 8, no. 5, p. 583-584.
172. --- 1982, The Basin and Range Province--origin and tectonic significance: Annual Reviews of Earth and Planetary Sciences, v. 10, p. 409-440.
173. Eaton, G. P., Christiansen, R. L., Iyer, H. M., Pitt, A. M., Mabey, D. R., Bank, H. R. Jr., Zietz, Isidore, and Gettings, M. W., 1975, Magma beneath Yellowstone National Park: Science, v. 188, p. 787-796.
174. Eaton, G. P., Prostka, H. J., Oriel, S. S., and Pierce, K. L., 1976, Cordilleran thermotectonic anomaly--pt. I, Geophysical and geological evidence of coherent late Cenozoic intraplate magmatism and deformation [abs.]: Geological Society of America Abstracts with Programs, v. 8, no. 6, p. 350.
175. Eaton, G. P., Wahl, R. R., Prostka, H. J., Mabey, D. R., and Klienkopf, M. D., 1978, Regional gravity and tectonic patterns; their relation to late Cenozoic epirogeny and lateral spreading in the western cordillera, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 51-92.

176. Economou, H., and King, J. S., 1981, Inferno chasm, a construct on the Great Rift, Idaho: U.S. National Aeronautics and Space Administration Technical Memorandum 84211, 189 p.
177. --- 1982, Lava channels on the eastern Snake River Plain, Idaho, and their relation to similar lunar and Martian features, in Holt, H. E., Report of the Planetary Geology Program, 1982: U.S. National Aeronautics and Space Administration Technical Memorandum 85127, p. 149-151.
178. Ekren, E. B., McIntyre, D. H., Bennett, E. H., and Malde, H. E., 1981, Geologic map of Owyhee County, Idaho, west of longitude 116 degrees: U.S. Geological Survey Miscellaneous Investigations Series I-1256, scale 1:125,000, 2 sheets.
179. Ekren, E. B., McIntyre, D. H., Bennett, E. H., and Marvin, R. F., 1982, Cenozoic stratigraphy of western Owyhee County, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 215-236.
180. Embree, G. F., Lowell, M. D., and Doherty, D. J., 1978, Drilling data from Sugar City exploration well, Madison County, Idaho: U.S. Geological Survey Open-File Report 78-1095, 12 p.
181. Embree, G. F., McBroome, L. A., and Doherty, D. J., 1982, Preliminary stratigraphic framework of the Pliocene and Miocene rhyolite, eastern Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 333-343.
182. Evans, G. W., 1924, The Horseshoe basin area of the Teton coal field in southeastern Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 10, 15 p.
183. Evans, J. R., 1982, Compressional wave velocity structure of the upper 350 km under the eastern Snake River Plain near Rexburg, Idaho: Journal of Geophysical Research, pt. B, v. 87, no. 4, p. 2654-2670.
184. Evans, J. R., and Dyer, H. M., 1979, Deep structure under Yellowstone and the eastern Snake River Plain from teleseismic P-wave delays: Eos (American Geophysical Union, Transactions), v. 60, no. 46.

185. Evenson, E. B., Cotter, J. F. P., and Clinch, J. M., 1982, Glaciation of the Pioneer Mountains--a proposed model for Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 653-665.
186. Evernden, J. F., Savage, D. E., Curtis, G. H., and James, G. T., 1964, Potassium-argon dates and the Cenozoic mammalian chronology of North America: American Journal of Science, v. 262, p. 145-198.
187. Fenneman, N. M., 1931, Physiography of western United States: New York, McGraw-Hill Book Co., 534 p.
188. Field, C. W., Bruce, W. R., and Henricksen, T. A., 1972, Mesozoic plutonism and mineralization of the Snake River boundary area, Idaho-Oregon [abs.]: Geological Society of America Abstracts with Programs, v. 4, no. 7.
189. Fiesinger, D. W., Perkins, W. D., and Puchy, B. J., 1982, Mineralogy and petrology of Tertiary-Quaternary volcanic rocks in Caribou County, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 465-488.
190. Fifer, H. C. Jr., 1960, Geology of a portion of the Jarbidge 1-degree quadrangle, Elko County, Nevada: Eugene, University of Oregon, M.S. thesis, 48 p.
191. Fitterman, D. V., 1979, Geomagnetic induction study across the eastern Snake River Plain, Idaho: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
192. Fitzgerald, J. F., 1979, An examination of two vents in the Columbia River Basalts, Weiser embayment, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 6, p. 272.
193. --- 1980, A possible new unit in the Columbia River Basalts, weiser embayment, Idaho [abs.]: Northwest Science Annual Meeting, 53rd, Moscow, University of Idaho, Program and Abstracts, p. 33.
194. --- 1982, Geology and basalt stratigraphy of the Weiser embayment, west-central Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 103-128.

195. Fosberg, M. A., 1965, Characteristics and genesis of patterned ground in Wisconsin time in a Chestnut soil zone of southern Idaho: Soil Science, v. 99, p. 30-37.
196. Foster, P. W., 1978, The study of Mosby Butte, a volcanic construct of the south-central Snake River Plain, Idaho: Buffalo, State University of New York, M.A. thesis, 48 p.
197. Fountain, J. C., and Spear, D. B., 1979, Geochemistry of ferrobasalt, ferrolatite, and rhyolite lavas from the Cedar Butte area, eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 6, p. 272-273.
198. Fournier, R. O., White, D. E., and Truesdell, A. H., 1976, Convective heat flow in Yellowstone National Park, in United Nations Symposium on the Development and Use of Geothermal Resources, 2d, San Francisco, Calif., Proceedings: Berkeley, University of California, Lawrence Berkeley Laboratory, v. 1, p. 731-739.
199. Fryxel, R. R., Richmond, G. M., Malde, H. E., Trimble, D. E., Bright, R. C., and Rubin, Meyer, 1965, The canyons of western Idaho, the Snake River Plain, and the Bonneville flood, pt. G, in Richmond, G. M., Fryxel, Roald, Montagne, John, and Trimble, D. E., eds., Guidebook for Field Conference E, Northern and Middle Rocky Mountains: International Association for Quaternary Research, 7th Congress, Lincoln, Nebraska Academy of Sciences, p. 90-104.
200. Funk, J. M., 1976, Climatic and tectonic effects on alluvial fan systems, Birch Creek valley, east-central Idaho: Lawrence, University of Kansas, Ph.D. dissertation, 246 p.
201. Funk, J. M., and Dort, Wakefield Jr., 1977, Quaternary climatic effects on alluvial fan systems, Birch Creek valley, east-central Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 9, p. 982-983.
202. Furlong, K. P., 1978, An analytic stress model applied to the Snake River Plain: Eos (American Geophysical Union, Transactions), v. 59, no. 12.
203. --- 1979, An analytic stress model applied to the Snake River Plain (northern Basin and Range Province, U.S.A.): Tectonophysics, v. 58, p. 11-15.

204. Gilbert, G. K., 1890, Lake Bonneville: U.S. Geological Survey Monograph 1, 438 p.
205. Gilluly, James, 1963, The tectonic evolution of the western United States: Geological Society of London Quarterly Journal, v. 119, p. 133-174.
206. Goldstein, F. J., and Weight, W. D., 1982, Subsurface information from eight wells drilled at the Idaho National Engineering Laboratory: U.S. Geological Survey Open-File Report 82-0644, 34 p.
207. Greeley, Ronald, 1977, Basaltic "plains" volcanism, in Greeley, Ronald, and King, J. S., eds., Volcanism of the eastern Snake River Plain, Idaho--a comparative planetary geology guidebook: U.S. National Aeronautics and Space Administration, CR-154621, p. 23-44.
208. --- 1982a, The Snake River Plain, Idaho--representative of a new category of volcanism: Journal of Geophysical Research, v. 87, p. 2705-2712.
209. --- 1982b, The style of basaltic volcanism in the eastern Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 407-421.
210. Greeley, Ronald, and King, J. S., 1975a, Geologic field guide to the Quaternary volcanics of the south-central Snake River Plain, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 160, 49 p.
211. --- 1975b, Rift zones in the south-central Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 610-611.
212. Greeley, Ronald, and King, J. S., eds., 1977, Volcanism of the eastern Snake River Plain Idaho--a comparative planetary geology guidebook: U.S. National Aeronautics and Space Administration, CR-154621, 303 p.
213. Greensfelder, R. W., 1981, Lithospheric structure of the eastern Snake River Plain, Idaho: Stanford, Calif., Stanford University, Ph.D. dissertation, 197 p.

214. Greensfelder, R. W., and Kovach, R. L., 1982, Shear wave velocities and crustal structure of the eastern Snake River Plain, Idaho: Journal of Geophysical Research, pt. 8, v. 87, no. 4, p. 2643-2653.
215. Hadley, D. M., Stewart, G. S., and Abel, J. E., 1976, Yellowstone--seismic evidence for a chemical mantle plume: Science, v. 193, p. 1237-1239.
216. Hamilton, Warren, 1963, Petrology of rhyolite and basalt, northwestern Yellowstone Plateau: U.S. Geological Survey Professional Paper 475-C, p. C78-C81.
217. --- 1965, Geology and petrogenesis of the Island Park caldera of rhyolite and basalt, eastern Idaho: U.S. Geological Survey Professional Paper 504-C, 37 p.
218. --- 1976, Tectonic history of west-central Idaho [abs.]: Geological Society of America Abstract with Programs, v. 8, no. 3, p. 378-379.
219. Hamilton, Warren, and Myers, W. B., 1966, Cenozoic tectonics of the Western United States: Reviews of Geophysics, v. 4, p. 509-550.
220. Harbour, J. L., 1979, Bibliography of Jurassic sedimentation in southeastern Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 79-3, 8 p.
221. --- 1980, Selected bibliography on the Devonian system of Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 80-5, 8 p.
222. Harbour, J. L., and Breckenridge, R. M., 1980, Summary of the overthrust belt in parts of Wyoming, Utah, and Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 80-9, 6 p.
223. Harr, C. J., and Mabey, D. R., 1976, Gravity survey of Pocatello Valley, Idaho and Utah: U.S. Geological Survey Open-File Report 76-766, 11 p.
224. Hart, W. K., 1982, Chemical geochronologic and isotopic significance of low K, high-alumina olivine tholeiite in the northwestern Great Basin, U.S.A.: Cleveland, Ohio, Case Western Reserve University, Ph.D. dissertation, 431 p.

225. Higgs, N. B., 1960, The geology of the southeastern part of the Jarbidge 1-degree quadrangle, Elko County Nevada: Eugene, University of Oregon, M.S. thesis, 100 p.
226. Hildreth, E. W., Christiansen, R. L., and O'Neil, J. R., 1980, Catastrophic isotopic modification of rhyolitic magma by creation of the Yellowstone caldera [abs.]: Geological Society of America Abstracts with Programs, v. 12, no. 3, p. 111.
227. Hill, D. P., 1963, Gravity and crustal structure in the western Snake River Plain, Idaho: Journal of Geophysical Research, v. 68, no. 20, p. 5807-5819.
228. Hill, D. P., Baldwin, H. L. Jr., and Pakiser, L. C., 1961, Gravity, volcanism, and crustal deformation in the Snake River Plain, Idaho, in U.S. Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-B, p. B248-250.
229. Hill, D. P., and Pakiser, L. C., 1963, Gravity and crustal structure in the western Snake River Plain, Idaho [abs.]: Geological Society of America Special Paper 73, p. 86.
230. --- 1966, Crustal structure between the Nevada test site and Boise, Idaho, from seismic-refraction measurements, in Steinhard, J. S., and Smith, T. J., eds., The earth beneath the continents: American Geophysical Union, Geophysical Monograph 10, p. 391-419.
231. --- 1967, Seismic-refraction study of crustal structure between the Nevada test site and Boise, Idaho: Geological Society of America Bulletin, v. 78, p. 685-704.
232. Hite, T. H., 1963, Fine gold and platinum of Snake River, Idaho: Economic Geology, v. 28, no. 3, p. 256-265.
233. Hooper, P. R., 1982a, The Columbia River Basalts: Science, v. 215, p. 1463-1468.
234. Hooper, P. R., Reidel, S. P., Brown, J. L., Holden, G. S., Kleck, W. D., Sundstrum, C. E., and Taylor, T. L., 1976, Major element analysis of Columbia River Basalt, pt. I: Pullman, Washington State University, Basalt Research Group Open-File Report, 59 p.

235. Hoover, D. B., and Tippens, C. L., 1975, A reconnaissance audio-magnetotelluric survey to evaluate the geothermal potential of the Bruneau-Grand View area, Idaho, in Young, H. W., and Whitehead, R. L., Geothermal investigations in Idaho, pt. 2, An evaluation of thermal water in the Bruneau-Grand View area, southwest Idaho: Idaho Department of Water Resources, Water Information Bulletin 30, 126 p.
236. Hope, R. A., and Coats, R. R., 1976, Preliminary geologic map of Elko County, Nevada: U.S. Geological Survey Open-File Report 76-779, scale 1:100,000, 6 pl.
237. Howard, K. A., and Shervais, J. W., 1973, Geologic map of Smith Prairie, Elmore County, Idaho: U.S. Geological Survey Miscellaneous Investigations Map I-818, scale 1:24,000.
238. Howard, K. A., Shervais, J. W., and McKee, E. H., 1982, Canyon-filling lavas and lava dams on the Boise River, Idaho, and their significance for evaluating downcutting during the last two million years, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 629-641.
239. Hubbard, C. R., 1955, A survey of the mineral resources of Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 105, 74 p.
240. Hyndman, D. W., and Talbot, J. L., 1976, The Idaho batholith and related subduction complex: Pullman, Washington State University, Department of Geology, Field Guide no. 4, 15 p.
241. Idaho Bureau of Mines and Geology, Idaho Bureau of Minerals, Idaho Department of Water Resources, U.S. Bureau of Mines, and Idaho Mining Association, 1980, Developments in minerals, mining, energy, and water resources in Idaho for 1979: Moscow, Idaho Bureau of Mines and Geology Open-File Report 80-12, 37 p.
242. Iyer, H. M., 1979, Deep structure under Yellowstone National Park, U.S.A.--a continental "hot spot": Tetonophysics, v. 56, p. 165-197.
243. --- 1980, Magma chambers and geothermal energy: Society of Exploration Geophysicists International Meeting and Exposition, 15th, Houston, Texas, 1980, Technical Papers, p. 3485-3508.

244. Iyer, H. M., Evans, J. R., Zandt, G., Stewart, R. M., Coakley, J. M., and Roloff, J. N., 1981, A deep low-velocity body under the Yellowstone caldera, Wyoming--delineation using teleseismic P-wave residuals and tectonic interpretation: Geological Society of America Bulletin, v. 92, no. 11, p. 1792-1798.
245. Izett, G. A., 1981, Volcanic ash beds--recorders of the upper Cenozoic silicic pyroclastic volcanism in the western United States: Journal of Geophysical Research, v. 86, no. B11, p. 10200-10222.
246. Jackson, D. B., 1974, Report on direct current soundings over a geothermal prospect in the Bruneau-Grand View area, Idaho: U.S. Geological Survey Open-File Report 74-240, 43 p.
247. Jeanloz, R., and Schleicher, D., 1975, A bimodal rhyolite-basalt sequence on the north margin of the eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
248. Jones, F. G., Wilkinson, B. H., and Smith, G. R., 1978a, Tertiary algal carbonate reefs from Snake River Plain, Idaho [abs.]: American Association of Petroleum Geologists, Society of Economic Paleontologists and Mineralogists Annual Convention, Oklahoma City, Okla., 1978, p. 78.
249. --- 1978b, Tertiary algal carbonate reefs from Snake River Plain, Idaho: American Association of Petroleum Geologists Bulletin, v. 62, no. 3.
250. Jones, J. R., Deutsch, Morris, and Voegeli, P. T., 1951, Geology and ground water at site 3, Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22002, 61 p.
251. Jones, J. R., and Jones, S. L., 1951, Memorandum report on compiled logs of AEC wells STR-2 and CPP-2: U.S. Geological Survey Open-File Report IDO-22014, 8 p.
252. --- 1952a, Logs of test holes in the central Snake River Plain, Idaho: U.S. Geological Survey Open-File Report IDO-22015, 96 p.
253. --- 1952b, Logs of water well, Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22013, 38 p.

254. --- 1953, Logs of test holes in the central Snake River Plain, Idaho: U. S. Geological Survey Open-File Report ID0-22015, supp. 1, 51 p.
255. Jones, J. R., and Voegeli, P. T., 1951a, Geology and ground water at site 7, Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report ID0-22000, 27 p.
256. --- 1951b, Geology and ground water at site 2A, Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report ID0-22001, 40 p.
257. Jones, R. W., 1982, Early Tertiary-age Kamiah volcanics, north-central Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 43-52.
258. Jorgenson, D. B., Karlo, J. F., and Fountain, F. C., 1979, Tertiary high-alumina basalts of the Snake River volcanic province, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 6.
259. Karlo, J. F., 1976, Orthogonal rifting within the eastern Snake River Plain, Idaho, 1976 [abs.]: Geological Society of America Abstracts with Programs, v. 8, no. 5.
260. --- 1977, The geology and Bouguer gravity of Hells Half Acre and their relation to volcano-tectonic processes within the Snake River rift zone [abs., Buffalo, N.Y., State University of New York, Ph.D. dissertation]: Dissertation Abstracts International, 1977, v. 38, no. 3, p. 10988.
261. Karlo, J. F., and Clemency, C. V., 1980, Picrite xenoliths from the eastern Snake River Plain, Idaho: Contributions to Mineralogy and Petrology, v. 73, no. 2.
262. Karlo, J. F., and Jorgenson, D. B., 1979, Fault control of volcanic features southeast of Blackfoot, Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 6.
263. Karlo, J. F., Jorgenson, D. B., and Shineldecker, C. L., 1980, Sulfate minerals in Snake River Plain volcanoes: Northwest Science, v. 54, no. 3.

264. Karlo, J. F., and King, J. S., 1977, Controls of physical properties of Snake River Plain lavas on surface morphologies: Planetary Geology, Principal Investigators Annual Meeting, St. Louis, Mo., May 23-26, 1977, U.S. National Aeronautics and Space Administration Technical Memorandum X-3511, p. 132-133.
265. Karlo, J. F., and Kosiur, J. R., 1975, Thermal overprint as a possible effect on the gravity relations of the eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
266. Kelly, L. M., 1974, Geology of Bear Butte, a Quaternary lava cone, Blaine County, Idaho: Buffalo, New York State University, unpublished M.S. thesis.
267. Kiilsgaard, T. H., 1951, The geology and coal of the Horseshoe Creek district, Teton County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 92, 42 p.
268. Kimmel, P. G., 1979, Stratigraphy and paleo-environments of the Miocene Chalk Hills Formation and Pliocene Glens Ferry Formation in the western Snake River Plain, Idaho: Ann Arbor, Mich., University of Michigan, Ph.D. dissertation, 340 p.
269. --- 1980, Mio-Pliocene lacustrine sediments of the western Snake River Plain--their stratigraphy, age, and tectonic setting [abs.]: Geological Society of America Abstracts with Programs, v. 12, no. 13.
270. --- 1982, Stratigraphy, age, and tectonic setting of the Miocene-Pliocene lacustrine sediments of the western Snake River Plain, Oregon and Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 559-578.
271. Kimmel, P. G., and Smith, G. R., 1978, Fission track chronology and biostratigraphy of Mio-Pliocene lacustrine deposits of the western Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 10, no. 7.
272. King, J. S., 1977, Crystal Ice Cave and King's Bowl Crater, eastern Snake River Plain, Idaho, in Greeley, Ronald, and King, J. S., eds., Volcanism of eastern Snake River Plain, Idaho--a comparative planetary geology guidebook: U.S. National Aeronautics and Space Administration, CR-154621, p. 133-152.

273. --- 1982, Selected volcanic features of the south-central Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 439-451.
274. King, J. S., and Greeley, Ronald, 1973, Split Butte Crater (Idaho) and its paleontological implications [abs.]: Eos (American Geophysical Union, Transactions), v. 54, no. 11, p. 1126.
275. King, K. W., Hays, W. W., and Hamilton, L. A., 1979, Seismic wave attenuation study of the Snake River Plain, Idaho: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
276. King, P. B., 1976, Precambrian geology of the United States--an explanatory text to accompany the geologic map of the United States: U.S. Geological Survey Professional Paper 902, 35 p.
277. King, P. B., and Beikman, H. M., 1974a, Explanatory text to accompany the geologic map of the United States: U.S. Geological Survey Professional Paper 901, 40 p.
278. --- 1974b, Geologic map of the United States: U.S. Geological Survey, scale 1:2,500,000.
279. --- 1978, The Cenozoic rocks; a discussion to accompany the geologic map of the United States: U.S. Geological Survey Professional Paper 904, 82 p.
280. Kirkham, V. R. D., 1922, Petroleum possibilities of certain anticlines in southeastern Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 4, 36 p.
281. --- 1924, Geology and oil possibilities of Bingham, Bonneville, and Caribou Counties, Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 8, 108 p.
282. --- 1927, A geologic reconnaissance of Clark and Jefferson and parts of Butte, Custer, Fremont, Lemhi, and Madison Counties, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 19, 47 p.
283. --- 1928, Brief papers on geologic field work in Idaho during 1927: Moscow, Idaho Bureau of Mines and Geology Pamphlet 29, 15 p.

284. --- 1930, Old erosion surfaces in southwestern Idaho: Journal of Geology, v. 38, no. 7, p. 652-663.
285. --- 1931a, Igneous geology of southwestern Idaho: Journal of Geology, v. 39, no. 6, p. 564-591.
286. --- 1931b, Revision of the Payette and Idaho Formations: Journal of Geology, v. 39, no. 3, p. 193-239.
287. --- 1931c, Snake River downwarp: Journal of Geology, v. 39, p. 465-482.
288. Kittleman, L. R. Jr., Green, A. R., Haddock, G. H., Hagood, A. R., Johnson, A. M., McMurray, J. M., Russel, R. G., and Weeden, D. A., 1967, Geologic map of the Owyhee region, Malheur County, Oregon: Eugene, University of Oregon, Museum of Natural History Bulletin 8, scale 1:125,000.
289. Kittleman, L. R. Jr., Green, A. R., Hagood, A. R., Johnson, A. M., McMurray, J. M., Russel, R. G., and Weeden, D. A., 1965, Cenozoic stratigraphy of the Owyhee region, southeastern Oregon: Eugene, University of Oregon, Museum of Natural History Bulletin 1, 45 p.
290. Knoll, K. M., 1977, Chronology of alpine glacier stillstands, east-central Lemhi Range, Idaho: Pocatello, Idaho State University, Museum of Natural History Special Publication, 230 p.
291. Kress, F. C., 1979, Western site characterization, in Rowley, J. C., compiler, Summary of talks--Second Annual Hot Dry Rock Geothermal Conference: Santa Fe, N.M., Los Alamos Scientific Laboratory, LASL 79-86.
292. Kumamoto, L. H., 1976, Microearthquake surveys of Snake River Plain and northwest basin and range geothermal area: Golden, Colorado School of Mines, Ph.D. dissertation, 181 p.
293. Kuntz, M. A., 1977a, Extensional faulting and volcanism along the Arco rift zone, eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 6, p. 740-741.
294. --- 1977b, Rift zones of the Snake River Plain, Idaho, as extensions of basin-range and older structures [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 7, p. 1061-1062.

295. --- 1978a, Geologic map of the Arco-Big Southern Butte area, Butte, Blaine, and Bingham Counties, Idaho: U.S. Geological Survey Open-File Report 78-302.
296. --- 1978b, Geology of the Arco-Big Southern Butte area, eastern Snake River Plain and volcanic hazards to the radioactive waste management complex and other waste storage and reactor facilities at the Idaho National Engineering Laboratory, Idaho, with a section on Statistical treatment of the age of lava flows, by J. O. Kork: U.S. Geological Survey Open-File Report 78-691, 70 p.
297. --- 1978c, Some differences between the eastern Snake River Plain and other continental rift systems, in International Symposium on the Rio Grande Rift, Santa Fe, N.M., 1978, Programs with Abstracts: Los Alamos, N.M., Los Alamos Science Laboratory, Geoscience Division.
298. --- 1979a, Geologic map of the Juniper Buttes area, eastern Snake River Plain, Idaho: U.S. Geological Survey Miscellaneous Investigations Map I-1115, scale 1:48,000.
299. --- 1979b, Structural and volcanic characteristics of the Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 3.
300. Kuntz, M. A., Champion, D. E., Spiker, E. C., Lefebvre, R. H., and McBroome, L. A., 1982, The Great Rift and the evolution of the Craters of the Moon lava field, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 423-437.
301. Kuntz, M. A., and Covington, H. R., 1979, Do basalt structures and topographic features reflect buried calderas in the eastern Snake River Plain (ESRP)?: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
302. Kuntz, M. A., and Dalrymple, G.B., 1979, Geology, geochronology, and potential volcanic hazards in the Lava Ridge-Hells Half Acre area, eastern Snake River Plain, Idaho: U.S. Geological Survey Open-File Report 79-1657, 66 p.
303. Kuntz, M. A., Dalrymple, G. B., Champion, D. E., and Doherty, D. J., 1980, Petrography, age, and paleomagnetism of volcanic rocks at the Radioactive Waste Management Complex, Idaho National Engineering Laboratory, Idaho, with an evaluation of potential volcanic hazards: U.S. Geological Survey Open-File Report 80-388, 63 p.

304. Kuntz, M. A., and Holcomb, R. T., 1979, Structural and volcanic characteristics of the Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, p. 88.
305. Kuntz, M. A., Lefebvre, R. H., Champion, D. E., McBroomer, L. A., Mabey, D. R., Stanley, W. D., Covington, H. R., Ridenour, James, and Stotelmeyer, R. B., 1980, Geological and geophysical investigations, and mineral resources potential of the proposed Great Rift Wilderness Area, Idaho: U.S. Geological Survey Open-File Report 80-475, 29 p.
306. Kuntz, M. A., Scott, W. E., Skipp, Betty, Hait, M. H. Jr., Embree, G. F., Hoggan, R. D., and Williams, E. J., 1979, Geologic map of the Lava Ridge-Hells Half Acre area, eastern Snake River Plain, Idaho: U.S. Geological Survey Open-File Report 79-669, 1 pl.
307. Lachenbruch, A. H., and Sass, J. H., 1978, Models of an extending lithosphere and heat flow in the Basin and Range Province, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 209-250.
308. LaFehr, T. R., 1963, Gravity and crustal structure in eastern Snake River Plain, Idaho [abs.]: American Association of Petroleum Geologists Bulletin, v. 47, no. 9.
309. LaFehr, T. R., and Pakiser, L. C., 1962, Gravity, volcanism, and crustal deformation in the eastern Snake River Plain, Idaho, in Geological Survey Research 1962: U.S. Geological Survey Professional Paper 450-D, p. D76-D78.
310. LaPoint, P. J. I., 1975, Photogeologic study of volcanic and structural features of the eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 620.
311. --- 1977, Preliminary photogeologic map of the eastern Snake River Plain, Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-850, scale 1:250,000.
312. Laursen, J. M., and Hammond, P. E., 1978, Summary of radiometric ages of Oregon rocks, July 1972 through December 1976: Isochron West, no. 23, supp., p. 3-28.

313. Leary, P., and Phinney, R. A., 1974, A magnetotelluric traverse across the Yellowstone region: Geophysical Research Letters, v. 1, no. 6, p. 265-268.
314. Leeman, W. P., 1974a, Part I, Petrology of basaltic lavas from the Snake River Plain, Idaho, and pt. II, Experimental determination of partitioning of divalent cations between olivine and basaltic liquid [abs., Eugene, University of Oregon, Ph.D. dissertation]: Dissertation Abstracts International, v. 35, no. 12, p. 59478.
315. --- 1974b, Part I, Petrology of basaltic lavas from the Snake River Plain, Idaho, and pt. II, Experimental determination of partitioning of divalent cations between olivine and basaltic liquid: Eugene, University of Oregon, Ph.D. dissertation, 337 p.
316. --- 1975a, Petrology and origin of Snake River Plain (SRP) olivine tholeiite [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 621-622.
317. --- 1975b, Radiogenic tracers applied to basalt genesis in the Snake River Plain-Yellowstone National Park region--evidence for a 2.7-billion-year old upper mantle keel [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 7.
318. --- 1976, Petrogenesis of McKinney (Snake River) olivine tholeiite in light of rare-earth element and Cr/Ni distributions: Geological Society of America Bulletin, v. 87, no. 11, p. 1582-1586.
319. --- 1978, Petrology and geochemistry of volcanic rocks from the Snake River Plain-Yellowstone province, in International Symposium on the Rio Grande Rift, Santa Fe, N.M., 1978, Programs with Abstracts: Los Alamos, N.M., Los Alamos Science Laboratory, Geoscience Division, p. 50-51.
320. --- 1979a, Deep crustal xenoliths from the Snake River Plain: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
321. --- 1979b, Primitive lead in deep crustal xenoliths from the Snake River Plain, Idaho: Nature, v. 281, no. 5730, p. 365-366.

322. --- 1982a, Development of the Snake River Plain-Yellowstone Plateau province, Idaho and Wyoming--an overview and petrologic model, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 155-177.
323. --- 1982b, Evolved and hybrid lavas from the Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 193-202.
324. --- 1982c, Geology of the Magic Reservoir area, Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 369-376.
325. --- 1982d, Olivine tholeiitic basalts of the Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 181-191.
326. --- 1982e, Rhyolites of the Snake River Plain-Yellowstone Plateau province, Idaho and Wyoming, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 203-212.
327. --- 1982f, Tectonic and magmatic significance of strontium isotopic variations in Cenozoic volcanic rocks from the western United States: Geological Society of America Bulletin, v. 93, p. 487-503.
328. Leeman, W. P., Doe, B. R., and Whelan, Joseph, 1977, Radiogenic and stable isotope studies of hot-spring deposits in Yellowstone National Park and their genetic implications: Geochemical Journal, v. 11, p. 65-74.
329. Leeman, W. P., and Gettings, M. E., 1977, Holocene rhyolite in southeast Idaho and geothermal potential: Eos (American Geophysical Union, Transactions), v. 58, no. 12, p. 1249.
330. Leeman, W. P., and Manton, W. I., 1970, Sr87/Sr86 ratios of Snake River Plain basalts [abs.]: Eos (American Geophysical Union, Transactions), v. 51, p. 444.

331. --- 1971, Strontium isotopic composition of basaltic lavas from the Snake River Plain, southern Idaho: Earth and Planetary Science Letters, v. 11, p. 420-434.
332. Leeman, W. P., and Vitaliano, C. J., 1976, Petrology of McKinney basalt, Snake River Plain, Idaho: Geological Society of America Bulletin, v. 87, no. 12, p. 1777-1792.
333. Leeman, W. P., Vitaliano, C. J., and Prinz, Martin, 1975, Petrology and origin of "evolved" lavas from Craters of the Moon lava field, Snake River Plain (SRP) [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
334. --- 1976, Evolved lavas from the Snake River Plain--Craters of the Moon National Monument, Idaho: Contributions to Mineralogy and Petrology, v. 56, p. 35-60.
335. Leeman, W. P., and Whelan, J. F., 1976, Oxygen isotopic studies of lavas from the Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 8, no. 6.
336. Lefebvre, R. H., 1975, Mapping in the Craters of Moon volcanic field, Idaho, with LANDSAT (ETRS) imagery: International Symposium on Remote Sensing of the Environment, 10th, Ann Arbor, University of Michigan, Proceedings, v. 2, no. 10, p. 951-957.
337. Lehman, J. A., Smith, R. B., Schilly, M. M., and Braile, L. W., 1982, Upper crustal structure of the Yellowstone caldera from seismic delay time analyses and gravity correlations: Journal of Geophysical Research, v. 87, p. 2713-2730.
338. Leonard, B. F., and Marvin, R. F., 1982, Temporal evolution of the Thunder Mountain caldera and related features, central Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 23-41.
339. Lewis, G. C., and Fosberg, M. A., 1982, Distribution and character of loess and loess soils in southeastern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 705-716.

340. Lewis, G. C., Fosberg, M. A., McDole, R. E., and Chugg, J. C., 1976, Distribution and some properties of loess in south-central and southeastern Idaho: Soil Science Society of America, 40th, Houston, Texas, 1976, Proceedings.
341. Lewis, G. C., and White, J. L., 1964, Chemical and mineralogical studies on slick spot soils in Idaho: Soil Science Society of America, Proceedings, v. 28, p. 1165-1168.
342. Lindgren, Waldemar, 1898a, Boise [Quadrangle], Idaho, folio 45 of Geologic atlas of the United States: U.S. Geological Survey, 4 pls.
343. --- 1898b, The mining districts of the Idaho Basin and the Boise Ridge, Idaho: U.S. Geological Survey 18th Annual Report, pt. III, p. 628.
344. --- 1900, The gold and silver veins of Silver City, De Lamar, and other mining districts in Idaho: U.S. Geological Survey 20th Annual Report, pt. III, p. 65-256.
345. Lindgren, Waldemar, and Drake, N.F., 1904a, Nampa [Quadrangle], Idaho-Oregon, folio 103 of Geologic atlas of the United States: U.S. Geological Survey, 5 p.
346. --- 1904b, Silver City [Quadrangle], Idaho, folio 104 of Geologic atlas of the United States: U.S. Geological Survey, 6 p.
347. Littleton, R. T., and Crosthwaite, E. G., 1957 [1958], Ground-water geology of the Bruneau-Grand View area, Owyhee County, Idaho: U.S. Geological Survey Water-Supply Paper 1460-D, p. 147-198.
348. Livingston, D. C., 1923, A geologic reconnaissance of the mineral and Cuddy Mountain mining district, Washington and Adams Counties, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 13, 24 p.
349. Love, J. D., Reed, J. C. Jr., Christiansen, R. L., and Stacy, J. R., 1973, Geologic block diagram and tectonic history of the Teton region, Wyoming-Idaho: U.S. Geological Survey Miscellaneous Investigations Map I-730.

350. Love, J. D., Weitz, J. L., and Hoser, R. K., 1955, Geologic map of Wyoming: U.S. Geological Survey, scale 1:500,000.
351. Mabey, D. R., 1966, Relation between Bouguer gravity anomalies and regional topography in Nevada and the eastern Snake River Plain, Idaho, in Geological Survey Research 1966: U.S. Geological Survey Professional Paper 550-B, p. B108-B110.
352. --- 1971, Geophysical data relating to a possible Pleistocene overflow of Lake Bonneville at Gem Valley, southeastern Idaho, in Geological Survey Research 1971: U.S. Geological Survey Professional Paper 750-B, p. B122-B127.
353. --- 1976, Interpretation of a gravity profile across the western Snake River Plain, Idaho: Geology, v. 4, no. 1, p. 53-55.
354. --- 1978a, Gravity and aeromagnetic anomalies in the Rexburg area of eastern Idaho: U.S. Geological Survey Open-File Report 78-382, 19 p.
355. --- 1978b, Regional gravity and magnetic anomalies in the eastern Snake River Plain, Idaho: U.S. Geological Survey Journal of Research, v. 6, no. 5, p. 553-562.
356. --- 1982, Geophysics and tectonics of the Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 139-153.
357. Mabey, D. R., and Bhattacharyya, B. K., 1978, Interpretation of magnetic anomalies over southern Idaho using generalized multibody models [abs.]: Society of Exploration Geophysicists Meeting, San Francisco, Calif., 48th, Abstracts, p. 77-78.
358. Mabey, D. R., Peterson, D. L., and Wilson, C. W., 1974, Preliminary gravity map of southern Idaho: U.S. Geological Survey Open-File Report 74-78, scale 1:500,000.
359. Mabey, D. R., Zietz, Isidore, Eaton, G. P., and Kleinkopf, M. D., 1978, Regional magnetic patterns in part of the cordillera in the western United States, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 93-106.

360. Malde, H. E., 1971, Geologic investigation of faulting near the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report, 167 p.
361. Mansfield, G. R., and Ross, C. S., 1935, Welded rhyolitic tuffs in southeastern Idaho: Eos (American Geophysical Union, Transactions), p. 302-321.
362. Mark, R. K., Lee-Hu, C., Bowman, H. R., Asaro, Frank, McKee, E. H., and Coats, R. R., 1975, A high Sr87/Sr86 mantle source for low alkali tholeiite, northern Great Basin: *Geochimica et Cosmochimica Acta*, v. 39, p. 1671-1678.
363. Marsh, L. E., and King, J. S., 1982, Examination of a tephra deposit on the great rift of the Snake River Plain in southeast Idaho, in Holt, H. E., Reports of the Planetary Geology Program, 1982: U.S. National Aeronautics and Space Administration Technical Memorandum 85127, p. 146-148.
364. Martin, W. R., IV, 1978, A seismic refraction study of the northeastern Basin and Range and its transition with the eastern Snake River Plain: El Paso, University of Texas, M.S. thesis.
365. Mathias, D. E., 1959, The geology of the northern part of the Elk Mountains, Elko County, Nevada: Eugene, University of Oregon, M.S. thesis, 73 p.
366. Matthews, Vincent, III, and Anderson, C. E., 1973, Yellowstone convection plume and break-up of the western United States: *Nature*, v. 243, p. 158-159.
367. McBroome, L. A., 1931, Stratigraphy and origin of Neogene ash-flow tuffs on the north-central margin of the eastern Snake River Plain, Idaho: Boulder, University of Colorado, M.S. thesis, 74 p.
368. McBroome, L. A., Doherty, D. J., and Embree, G. F., 1981, Correlation of major Pliocene and Miocene ash-flow sheets, eastern Snake River Plain, Idaho, in Tucker, T. E., Aram, R. B., Brinker, W. F., and Grabb, R. F. Jr., eds., *Montana Geological Society Field Conference and Symposium Guidebook to Southwest Montana: Montana Geological Society, Billings, Mont., Aug. 17-19, 1981, p. 323-330.*

369. McDale, R. E., 1968, Some properties of loess in the Bannock Peak transect in southeastern Idaho: Moscow, University of Idaho, M.S. thesis, 162 p.
370. McDivitt, J. F., 1952, A report on gypsum deposits in Washington County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 93, 15 p.
371. McDole, R. E., 1969, Loess deposits adjacent to the Snake River flood plain in the vicinity of Pocatello, Idaho: Moscow, University of Idaho, Ph.D. dissertation, 231 p.
372. --- 1977, Soil survey of Fort Hall area, Idaho: U.S. Department of Agriculture, Soil Conservation Service, 97 p.
373. McDole, R. E., Lewis, G. C., and Fosberg, M. A., 1973, Identification of paleosols and the Fort Hall Geosol in southeastern Idaho loess deposits: Soil Science Society of America, v. 37, p. 611-616.
374. McDonald, H. G., and Anderson, Elaine, 1975, A late Pleistocene vertebrate fauna from southeastern Idaho: Pocatello, Idaho State University, Museum of Natural History, Tebiwa, v. 18, no. 1, p. 19-37.
375. McIntyre, D. H., 1972, Cenozoic geology of the Reynolds Creek experimental watershed, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 151, 115 p.
376. --- 1976, Reconnaissance geologic map of the Weiser geothermal area, Washington County, Idaho: U.S. Geological Survey Miscellaneous Field Investigations MF-745, scale 1:62,500.
377. --- 1979, Preliminary description of Anschutz Federal no. 1 drill hole, Owyhee County, Idaho: U.S. Geological Survey Open-File Report 79-651, 15 p.
378. McIntyre, D. H., Ekren, F. B., and Hardyman, R. F., 1982, Stratigraphic and structural framework of the Challis Volcanics in the eastern half of the Challis 1x2 degree quadrangle, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 3-22.
379. McKee, E. H., Swanson, D. A., and Wright, T. L., 1977, Duration and volume of Columbia River Basalt volcanism, Washington, Oregon, and Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 4, p. 463-387.

380. McKee, E. H., Tarshis, A. L., and Marvin, R. F., 1976, Summary of radiometric ages of Tertiary volcanic and selected plutonic rocks in Nevada, pt. V--northeastern Nevada: Isochron West, no. 16, p. 15-27.
381. Mercer, M. F., 1979, The origins of three volcanic constructs on the south-central Snake River Plain, Idaho: Buffalo, State University of New York, M.A. thesis, 94 p.
382. Miller, D. M., Todd, V. R., Armstrong, R. L., and Compton, R. R., 1980, Geology of the Albion-Raft River-Grouse Creek Mountains area, northwestern Utah and southern Idaho: Geological Society of America, Rocky Mountain Section, 33rd, Guidebook for Field Trips.
383. Miller, L. G., Prestwich, S. R., and Griffith, J. L., 1978, INEL/Snake River geothermal drilling and testing plan, INEL-1 well, Butte County, Idaho: U.S. Department of Energy, Idaho, IDO-10077.
384. Mitchell, C. M., Knowles, F. F., and Petrafeso, F. A., 1965, Aeromagnetic map of the Pocatello-Soda Springs area, Bannock and Caribou Counties, Idaho: U.S. Geological Survey Geophysical Investigations Map GP-521, scale 1:250,000.
385. Mitchell, V. E., and Bennett, E. H., compilers, 1979, Geologic map of the Boise quadrangle, Idaho: Moscow, Idaho Bureau of Mines and Geology Geologic Map Series, scale 1:250,000.
386. Moore, J. G., and Peck, D. L., 1962, Accretionary lapilli in the volcanic rocks of the western continental United States: Journal of Geology, v. 70, p. 182-193.
387. Morgan, Paul, Blackwell, D. D., Spofford, R. E., and Smith, R. B., 1977, Heat flow measurements in Yellowstone Lake and the thermal structure of the Yellowstone caldera: Journal of Geophysical Research, v. 82, p. 3719-3732.
388. Morgan, W. J., 1971, Convection plumes in the lower mantle: Nature, v. 230, p. 42-43.
389. --- 1972, Plate motions and deep mantle convection: Geological Society of America Memoir 132, p. 7-22.
390. Morris, D. A., 1967, Use of chemical and radioactive tracers at the National Reactor Testing Station, Idaho-- isotope techniques in the hydrologic cycle: American Geophysical Union, Geophysical Monograph no. 11, p. 130-142.

391. Muehlenbachs, K., and Stone, G. T., 1973, Oxygen isotope composition of some basaltic lavas from the Snake River Plain: Washington, D.C., Carnegie Institute Yearbook 72, p. 598-601.
392. Muffler, L. J. P., 1971, Relationship of Yellowstone rhyolite plateau and eastern Snake River Plain, U.S.A.: New Zealand Geochemical Group, Newsletter, 20--Second special issue on volcanology, p. 11-12.
393. --- 1975, Geothermal resources of the northern Rocky Mountains [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
394. Mundorff, M. J., 1960, Results of test drilling and aquifer tests in the Snake River basin, Idaho: U.S. Geological Survey Open-File Report, 146 p.
395. Murphy, J. D., 1975, The geology of Bruneau Dunes State Park, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
396. Murtaugh, J. G., 1961, Geology of Craters of the Moon National Monument, Idaho: Moscow, University of Idaho, M.S. thesis, 99 p.
397. Nace, R. L., 1956a, Geography, geology, and water resources of the National Reactor Testing Station, Idaho, pt. 1--purpose, history, and scope of investigations: U.S. Geological Survey Open-File Report ID0-22033, 68 p.
398. --- 1956b, Geography, geology, and water resources of the National Reactor Testing Station, Idaho, pt. 4--geologic and hydrologic aspects of waste management: U.S. Geological Survey Open-File Report ID0-22035, 223 p.
399. Nace, R. L., Deutsch, Morris, and Voegeli, P. T., 1956a, Geography, geology, and water resources of the National Reactor Testing Station, Idaho, appendix 1--basic data on the geography and geology: U.S. Geological Survey Open-File Report ID0-22033, 60 p.
400. --- 1956b, Geography, geology, and water resources of the National Reactor Testing Station, Idaho, pt. 2--geography and geology: U.S. Geological Survey Open-File Report ID0-22033, 225 p.

401. --- 1972, Physical environment of the National Reactor Testing Station, Idaho--a summary: U.S. Geological Survey Professional Paper 725-A, 33 p.
402. Nace, R. L., and Jones, J. R., 1950, Reconnaissance of the geology in the Atomic Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22012, 19 p.
403. --- 1952, Memorandum, Geologic and topographic features of the northeastern part of the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22020, 8 p.
404. Nace, R. L., and Voegeli, P. T., 1951, Geology and ground water at site 1 and an adjacent area to the east, Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22003, 17 p.
405. Nace, R. L., Voegeli, P. T., and Deutsch, Morris, 1951, Geology and ground water in the central construction area, Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22004, 61 p.
406. Nace, R. L., Voegeli, P. T., Jones, J. R., and Deutsch, Morris, 1975, Generalized geologic framework of the National Reactor Testing Station, Idaho, in Subitzky, Seymour, ed., Geology, hydrology, and waste management at the National Reactor Testing Station: U.S. Geological Survey Professional Paper 725-B, 49 p.
407. Nakai, T. S., 1979, Stratigraphy of the Payette Formation, Washington County, Idaho: Moscow, University of Idaho, M.S. thesis, 187 p.
408. Neil, W. M., 1975, Geology of the southeastern Owyhee Mountains and environs, Owyhee County, Idaho: Stanford, Calif., Stanford University, M.S. thesis, 59 p.
409. Nelson, W. H., and Ross, C. P., 1969, Geology of the Mackay 30-minute quadrangle, Idaho: U.S. Geological Survey Open-File Report, 161 p.
410. Neville, C. A., 1981, Magnetostratigraphy and magnetic properties of the Pliocene Glens Ferry Formation of southwest Idaho: New York, Columbia University, Ph.D. dissertation, 222 p.

411. Neville, C. A., Opdyke, N. D., and Lindsay, E. H., 1977, The paleomagnetic stratigraphy of the Glenns Ferry Formation, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 7, p. 1112-1113.
412. Neville, C. A., Opdyke, N. D., Lindsay, E. H., and Johnson, N. M., 1979, Magnetic stratigraphy of Pliocene deposits of the Glenns Ferry Formation, Idaho, and its implications for North American mammalian biostratigraphy: American Journal of Science, v. 27, no. 5, p. 503-526.
413. Newcomb, R. C., 1970, Tectonic structure of the main part of the basalt of the Columbia River Group, Washington, Oregon, and Idaho: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-587, scale 1:500,000.
414. Newton, Joseph, and Finkelburg, O. C., 1947, Beneficiation of Idaho phosphate rock: Moscow, Idaho Bureau of Mines and Geology Mineral Resources Report 3, 22 p.
415. Newton, V. C., and Corcoran, R. E., 1963, Petroleum geology of the western Snake River basin, Oregon-Idaho: Portland, Oregon Department of Geology and Mineral Industries, Oil and Gas Investigations no. 1, 67 p.
416. Niccum, M. R., 1969, Geology and permeable structures in basalts of the east-central Snake River Plain: Pocatello, Idaho State University, M.S. thesis.
417. Niccum, M. R., Birkham, P., and Danielson, W. F., 1980, Three possible alternate energy schemes consistent with the geologic environment of the Snake River Plain, in Engineering Geology and Soils Engineering Symposium, 18th, Boise, Idaho, 1980, Proceedings: Boise, Idaho Transportation Department, p. 243-244.
418. Noble, D. C., 1972, Some observations on the Cenozoic volcanic-tectonic evolution of the Great Basin, western United States: Earth and Planetary Science Letters, v. 17, p. 142-150.
419. O'Brien, J. T., Hoover, G. M., Peterson, S. D., and Brockmeirer, C. A., 1979, Seismic reflection studies in the Snake River Plain: Eos (American Geophysical Union, Transactions), v. 60, no. 46.

420. Olmstead, F. H., 1964, Relation of percent sodium to source and movement of ground water, National Reactor Testing Station, Idaho: U.S. Geological Survey Professional Paper 475-D, p. D186-D188.
421. Olmstead, T. L., 1972, Engineering geology of the proposed Snake River bridge site near Twin Falls, Idaho: Annual Engineering and Soils Engineering Symposium, Proceedings, no. 10, p. 43-54.
422. Olsen, K. H., Braile, L. W., and Johnson, P. A., 1980, Seismic velocity and Q-structure of the upper mantle lid and low velocity zone for the eastern Great Basin: Geophysical Research Letters, v. 7, no. 12, p. 1029-1032.
423. Olsen, K. H., Homuth, E. F., Stewart, J. N., Felch, R. N., Handel, T. G., and Johnson, P. A., 1979, Upper crustal structure beneath the eastern Snake River Plain, interpreted from seismic refraction measurements near Big Southern Butte, Idaho: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
424. Oriel, S. S., 1979, Do rocks and structures bounding the eastern Snake River Plain (ESRP) extend beneath it?: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
425. Oriel, S. S., Mabey, D. R., and Armstrong, F. C., 1965, Stratigraphic data bearing on the inferred pull-apart origin of Gem Valley, Idaho: U.S. Geological Survey Professional Paper 525-C, p. C1-C4.
426. Oriel, S. S., and Platt, L. B., 1980 [1981], Geologic map of the Preston 1x2 degree quadrangle, southeastern Idaho and western Wyoming: U.S. Geological Survey Miscellaneous Investigations Series Map I-1127, scale 1:250,000.
427. Oriel, S. S., Williams, P. L., Covington, H. R., Keys, H. R., Scott, W., and Shaver, K. C., 1978, Deep drilling data, Raft River geothermal area, Idaho--Standard American Oil Company Malta, Naf, and Strevell petroleum test boreholes: U.S. Geological Survey Open-File Report 78-361, 2 pls.
428. Othberg, K. L., and Breckenridge, R. M., 1981, Interpreting geologic hazards in Idaho from remotely sensed imagery: Moscow, Idaho Bureau of Mines and Geology Open-File Report 81-6, 65 p.

429. Pankratz, L. W., and Ackermann, H. D., 1982, Structure along the northwest edge of the Snake River Plain interpreted from seismic refraction: Journal of Geophysical Research, pt. B, v. 87, no. 4, p. 2676-2682.
430. Pansze, A. J. Jr., 1972, K-Ar ages of plutonism, volcanism, and mineralization, Silver City region, Owyhee County, Idaho: Isochron West, no. 4, p. 1-4.
431. --- 1975, Geology and ore deposits of the Silver City-DeLamar-Flint region, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 161, 79 p.
432. Parsons, W. H., 1975, Close similarity of craters and flow features at Kilauea volcano with those of recent age on the eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
433. Parsons, W. H., and Doherty, D. J., 1974, Ground surge in Pliocene-Pleistocene ash and pumice deposits in eastern Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 6.
434. Pasquini, T. P., 1976, Provenance investigation of the glacial geology of the Copper Basin, Idaho: Bethlehem, Pa., Lehigh University, M.S. thesis, 136 p.
435. Peckham, A. E., Houston, J. R., and Walker, E. H., 1959, Logs of test holes and wells in the central Snake River Plain, Idaho: U.S. Geological Survey Open-File Report IDO-22015, 45 p.
436. Peebles, J. J., 1962, Engineering geology of the Cartwright Canyon quadrangle: Moscow, Idaho Bureau of Mines and Geology Pamphlet 127, 69 p.
437. Pelton, J. R., and Smith, R. B., 1979, Recent crustal uplift in Yellowstone National Park: Science, v. 206, p. 1179-1182.
438. --- 1982, Contemporary vertical surface displacements in Yellowstone National Park: Journal of Geophysical Research, v. 87, p. 2745-2761.
439. Pennington, W. D., Smith, R. B., and Trimble, A. B., 1974, A microearthquake survey of parts of the Snake River Plain and central Idaho: Seismological Society of America Bulletin, v. 64, no. 2, p. 307-312.

440. Perkins, Beauregard Jr., Gardner, D. S., Pearce, T. H., and Patterson, R. M., 1947, Subsurface structure of Snake River valley, Idaho, from seismograph records of ammunition explosions [abs.]: Geophysics, v. 12, no. 3, p. 496.
441. Perkins, W. D., 1979, Petrology and mineralogy of Quaternary basalts, Gem Valley and adjacent Bear River Range, southeastern Idaho: Logan, Utah State University, M.S. thesis, 91 p.
442. Perkins, W. D., and Fiesinger, D. W., 1979, Mineralogy and chemistry of the Quaternary basalts from Gem Valley (Caribou County), Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 6.
443. Pierce, K. L., Fosberg, M. A., Scott, W. E., Lewis, G. C., and Colman, S. M., 1982, Loess deposits of southeastern Idaho--age and correlation of the upper two loess units, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 717-725.
444. Pierce, K. L., Obradovich, J. D., and Friedman, Irving, 1976, Obsidian hydration dating and correlation of Bull Lake and Pinedale glaciations near West Yellowstone, Montana: Geological Society of America Bulletin, v. 87, p. 703-710.
445. Pierce, K. L., and Scott, W. E., 1982, Pleistocene episodes of alluvial-gravel deposition, southeastern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 685-702.
446. Piper, A. M., 1923, Geology and water resources of the Goose Creek basin, Cassia County, Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 6, 78 p.
447. --- [1924], Geology and water resources of the Bruneau River basin, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 11, 56 p.
448. Piper, A. M., and Laney, F.B., 1926, Geology and metalliferous resources of the region about Silver City, Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 11, 165 p.

449. Pitt, A. M., 1979, Preliminary map of earthquake epicenters in Yellowstone Park and vicinity, 1973-1978: U.S. Geological Survey Open-File Report 79-717, scale 1:250,000.
450. Pitt, A. M., Weaver, C. S., and Spence, William, 1979, The Yellowstone Park earthquake of June 30, 1975: Seismological Society of America Bulletin, v. 69, p. 187-205.
451. Plescia, J. B., 1980, The Tempe volcanic province--an analog to the eastern Snake River Plains, in Wirth, P., Greeley, Ronald, and D'Alli, R., compilers, Reports of Planetary Geology Program, 1979-1980: U.S. National Aeronautics and Space Administration Technical Memorandum 81776, p. 189-191.
452. Porter, S. C., 1971, Fluctuations of late Pleistocene alpine glaciers in western North America, in Turekian, K. K., ed., The late Cenozoic glacial ages: New Haven, Conn., Yale University Press, p. 307-329.
453. Powers, H. A., 1947, Diatomite deposits of southwestern Idaho: Moscow, Idaho Bureau of Mines and Geology Mineral Resources Report 4, 27 p.
454. --- 1960a, Alkaline lava flow, with fluidity of basalt, in the Snake River Plain, Idaho: U.S. Geological Survey Professional Paper 400-B, p. B297.
455. --- 1960b, A distinctive chemical characteristic of Snake River Basalts of Idaho: U.S. Geological Survey Professional Paper 400-B, p. B298.
456. Powers, H. A., and Malde, H. E., 1961, Volcanic ash beds as stratigraphic markers in basin deposits near Hagerman and Glenns Ferry, Idaho: U.S. Geological Survey Professional Paper 424-B, p. B167-B170.
457. Prestwich, S. M., and Bowman, J. A., 1980, Completion and testing report--INEL geothermal exploratory well one (INEL-1): U.S. Department of Energy, Idaho Operations Office, IDO-10096, 44 p.
458. Price, W. H., Knowles, C. R., and Bond, J. G., 1973, Columbia River Basalt dikes of the Camas Prairie area, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 5, no. 7, p. 733.

459. Priestley, K. F., Bruner, J. N., and Chavez, D., 1979, Shear wave structure of the western Snake River Plain from surface wave dispersion: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
460. Priestley, K. F., and Orcutt, John, 1982, External travel time inversion of explosion seismology data from the eastern Snake River Plain, Idaho: Journal of Geophysical Research, pt. 3, v. 87, no. 4, p. 2634-2642.
461. Prinz, Martin, 1970, Idaho rift system, Snake River Plain, Idaho: Geological Society of America Bulletin, v. 81, p. 941-947.
462. Prostka, H. J., 1975, Structure and origin of the eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 637.
463. --- 1977, Joints, fissures, and voids in rhyolite welded ash-flow tuft at Teton damsite (eastern Idaho): U.S. Geological Survey Open-File Report 77-211, 15 p.
464. --- 1980, Buried Pliocene calderas of the eastern Snake River Plain (ESRP): Eos (American Geophysical Union, Transactions), v. 60, p. 945.
465. Prostka, H. J., Eaton, G. P., and Oriel, S. S., 1976, Cordilleran thermotectonic anomaly, pt. II, Interaction of an intraplate chemical plume mass and related mantle diapir [abs.]: Geological Society of America Abstracts with Programs, v. 8, p. 1054-1055.
466. Prostka, H. J., and Embree, G. F., 1978, Geology and geothermal resources of the Rexburg area, eastern Idaho: U.S. Geological Survey Open-File Report 78-1009, 15 p.
467. Prostka, H. J., Embree, G. F., and Doherty, D. J., 1979, The Pliocene Rexburg caldera complex, southeastern Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 7.
468. Prostka, H. J., and Oriel, S. S., 1975, Genetic models for Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, p. 1236.

469. Puchy, B. J., 1981, Mineralogy and petrology of lava flows (Tertiary-Quaternary) in southeastern Idaho and at the Black Mountain, Rich County, Utah: Logan, Utah State University, M.S. thesis, 73 p.
- Rankin, R. L., Peterfreund, A. R., Greeley, Ronald, and Eckerman, G., 1980, The effects of topography, albedo, and thermal inertia variations on mesoscale Martian wind patterns--a comparative study of the Snake River Plain, Idaho, and the Martian surface: U.S. National Aeronautics and Space Administration Technical Memorandum 81776, p. 217-218.
471. Reidel, S. P., Camp, V. E., and Ross, M. E., 1981, Major element analysis of Columbia River Basalt, pt. II: Pullman, Washington State University, Basalt Research Group Open-File Report, 90 p.
472. Reilinger, R., Citron, G. P., and Brow, L. D., 1977, Recent vertical crustal movements from precise leveling data in southwestern Montana, western Yellowstone National Park, and the Snake River Plain: Eos (American Geophysical Union, Transactions), v. 58, no. 6.
473. Rember, W. C., and Bennett, E. H., 1979a, Geologic map of the Hailey quadrangle, Idaho: Moscow, Idaho Bureau of Mines and Geology, Geologic Map Series, scale 1:250,000.
474. --- 1979b, Geologic map of the Twin Falls quadrangle, Idaho: Moscow, Idaho Bureau of Mines and Geology, Geologic Map Series, scale 1:250,000.
475. Repsher, A. A., 1980, Provenance of glacial deposits in the Pioneer Mountains, Blaine and Custer Counties: Bethlehem, Pa., Lehigh University, M.S. thesis.
476. Repsher, A. A., Cotter, J. F. P., and Evenson, E. B., 1980, Glacial history, provenance, and mineral exploration in an area of alpine glaciation, Custer and Blaine Counties, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 12, no. 6, p. 30.
477. Richmond, G. M., 1965, Glaciation of the Rocky Mountains, in Wright, H. E., and Frey, D. G., eds., The Quaternary of the United States: Princeton, N.J., Princeton University Press, p. 217-230.

478. --- 1973, Surficial geologic map of the Warm River Butte quadrangle, Yellowstone National Park and adjoining area, Idaho and Wyoming: U.S. Geological Survey Miscellaneous Investigations Map I-645, scale 1:62,500.
479. Ridenour, James, 1969, Depositional environments of the late Pleistocene American Falls Formation, southeastern Idaho: Moscow, University of Idaho, M.S. thesis, 82 p.
480. Robinette, M. S., and Matzner, R. A., 1980, Electrical resistivity investigations of the Springfield-Blackfoot area, Idaho: U.S. Bureau of Water and Power Resources Service [U.S. Bureau of Reclamation], Completion Report, 119 p.
481. Ross, C. P., 1933, The Dome mining district, Butte County, Idaho: Moscow, Idaho Bureau of Mines and Geology Survey Pamphlet 39, 12 p.
482. --- 1937, Geology and ore deposits of the Bayhorse Region, Custer County, Idaho: U.S. Geological Survey Bulletin 877, 161 p.
483. --- 1941, Mining districts of the State of Idaho (rev.): Moscow, Idaho Bureau of Mines and Geology Miscellaneous Map, scale 1:500,000.
484. --- 1962, Stratified rocks in south-central Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 125, 126 p.
485. --- 1963a, Geology along U.S. Highway 93 in Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 130, 98 p.
486. --- 1963b, Mining history of south-central Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 131, 29 p.
487. --- 1963c, Modal composition of the Idaho batholith: U.S. Geological Survey Professional Paper 475-C, p. C86-C90.
488. Ross, C. P., and Forrester, J. D., 1947, Geologic map of the State of Idaho: U.S. Geological Survey and Idaho Bureau of Mines and Geology, scale 1:500,000.
489. --- 1958, Outline of the geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 15, 74 p.

490. Ross, S. H., and Savage, C. N., 1967, Idaho earth science --geology, fossils, climate, water, and soils: Moscow, Idaho Bureau of Mines and Geology Earth Science Series 1, 285 p.
491. --- 1976, Abstracts of publications of the Idaho Bureau of Mines and Geology (2d ed.): Moscow, Idaho Bureau of Mines and Geology Information Circular 19, 96 p.
492. Royse, F., Wormer, M. A., and Reese, D. L., 1975, Thrust belt structural geometry and related stratigraphic problems, Wyoming-Idaho-northern Utah: Rocky Mountain Association of Geologists Symposium, p. 41-54.
493. Ruppel, E. T., 1964, Strike-slip faulting and broken basin-ranges in east-central Idaho and adjacent Montana: U.S. Geological Survey Professional Paper 501-C, p. C14-C18.
494. Ruppel, E. T., Ross, R. J. Jr., and Schleicher, David, 1975, Precambrian and lower Ordovician rocks in east-central Idaho: U.S. Geological Survey Professional Paper 889-B, 10 p.
495. Russell, I. C., 1902, Geology and water resources of the Snake River Plains of Idaho: U.S. Geological Survey Bulletin 199, 192 p.
496. --- 1903a, Notes on the geology of southwestern Idaho and southeastern Oregon: U.S. Geological Survey Bulletin 217, 83 p.
497. --- 1903b, Preliminary report on artesian basins in southwestern Idaho and southeastern Oregon: U.S. Geological Survey Water-Supply Paper 78, 53 p.
498. Sandberg, P. A., Swirydczuk, Krystyna, Wilkinson, B. H., and Smith, G. R., 1980, The Pliocene Glens Ferry oolite--lake-margin carbonate deposition in the southwestern Snake River Plain, discussion and reply: Journal of Sedimentary Petrology, v. 50, no. 3, p. 997-1000.
499. Sas, J. H., Lachenbruch, A. H., Diment, W. H., and Urban, T. C., 1975, Heat-flow patterns and geothermal resource potential of the western United States [abs.]: United Nations Symposium on the Development and Use of Geothermal Resources, San Francisco, Calif., 1975, v. 2.

500. Savage, C. N., 1958, Geology and mineral resources of Ada and Canyon Counties: Moscow, Idaho Bureau of Mines and Geology County Report 3, 94 p.
501. --- 1961a, Geology and mineral resources of Bonneville County: Moscow, Idaho Bureau of Mines and Geology County Report 5, 108 p.
502. --- 1961b, Geology and mineral resources of Gem and Payette Counties: Moscow, Idaho Bureau of Mines and Geology County Report 4, 50 p.
503. --- 1968, Lexicon of Idaho geologic names: Moscow, Idaho Bureau of Mines and Geology Information Circular 20, 78 p.
504. --- 1969, Distribution and economic potential of Idaho carbonate rocks: Moscow, Idaho Bureau of Mines and Geology Bulletin 23, 60 p.
505. Schilly, M. M., 1979, Interpretation of crustal seismic refraction and reflection profiles from Yellowstone and the eastern Snake River Plain: Salt Lake City, University of Utah, M.S. thesis.
506. Schilly, M. M., Smith, R. B., Brailer, L. W., and Ansorge, J., 1979, Upper-crustal structure of the Yellowstone region: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
507. --- 1982, The 1978 fault plane solutions of the western United States, a compilation, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 107-109.
508. Schleicher, D., 1975, Epicenter concentrations for southeast Idaho--a tool for land use planning [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
509. Schmidt, D. L., 1961, Quaternary geology of the Bellevue area in Blaine and Camas Counties, Idaho: Seattle, University of Washington, Ph.D. dissertation, 135 p.
510. Schmidt, D. L., and Mackin, J. H., 1970, Quaternary geology of Long and Bear Valleys, west-central Idaho: U.S. Geological Survey Bulletin 1311-A, 22 p.

511. Schoen, Robert, 1974, Part III, Geology, in Robertson, J. B., Schoen, Robert, and Barraclough, J. T., Influence of liquid waste disposal on the geochemistry of water at the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report ID0-22053, 231 p.
512. Scholter, Robert, 1971, The overthrust belt of southwest Montana and east-central Idaho [abs.]: Geological Society of America Abstracts, v. 3, no. 6.
513. Schuster, R. L., and Embree, G. F., 1980, Landslides caused by rapid draining of Teton Reservoir, in Engineering Geology and Soils Engineering Symposium, 18th, Boise, Idaho, Proceedings: Boise, Idaho Transportation Department, p. 1-14.
514. Scott, J. H., Zablocki, C. J., and Clayton, G. H., 1979, Geophysical well-logging data from exploratory well 2-2A, NW 1/4, sec. 15, T. 5 N., R. 31 E., Idaho National Engineering Laboratory, Butte County, Idaho: U.S. Geological Survey Open-File Report 79-1460.
515. Scott, W. E., 1981, Surficial geologic map of the eastern Snake River Plain and adjacent areas, 111 degrees to 115 degrees west, Idaho and Wyoming: U.S. Geological Survey Open-File Report 81-0507, 3 sheets.
516. Scott, W. E., Pierce, K. L., Bradbury, J. P., and Forester, R. M., 1982, Revised Quaternary stratigraphy and chronology in the American Falls area, southeastern Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 531-595.
517. Shah, S. M. I., 1966, Stratigraphy and paleobotany of the Weiser area, Idaho: Moscow, University of Idaho, Ph.D. dissertation, 139 p.
518. Shannon, S. S. Jr., 1971, Geology and geochemical exploration of the Vienna district, Blaine and Camas Counties, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 146, 45 p.
519. Shelefka, M. A., and King, J. A., 1981, Cedar Butte--an evolved tholeiitic volcano of the eastern Snake River Plain, Idaho: U.S. National Aeronautics and Space Administration Technical Memorandum 84211.

520. Shenon, P. J., 1923, Geology and ore deposits of the Birch Creek district, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 27, 25 p.
521. Shervais, J. W., and Howard, K. A., 1975, Intracanyon basalts of the Boise River, central Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 640-641.
522. Skeels, F. H., 1920, A preliminary report on the clays of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 2, 74 p.
523. Skipp, Betty, 1976, Eastward bulge of the Antler Highland across the Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 8, no. 6, p. 1109-1110.
524. --- 1979, Allochthons along the northeast margin of the Snake River Plain, Idaho--revisited, in Lageson, D. R., compiler, Update on the Wyoming-Idaho-Utah thrust belt-- Joint meeting of the Wyoming Geological Association, Wyoming Geological Survey, and Department of Geology, University of Wyoming, Laramie, April 27-28, 1979: Wyoming Geological Survey Publication Information Circular 10, p. 25-26.
525. --- 1981, A synopsis of the structure and stratigraphy of south-central Idaho--contributions by the U.S. Geological Survey since 1975, in Tucker, T. E., Aram, R. B., Brinker, W. F., and Grabb, R. F. Jr., eds., Montana Geological Society Field Conference and Symposium Guidebook to Southwest Montana: Montana Geological Society.
526. Skipp, Betty, and Hait, M. H. Jr., 1977, Allochthons along the northeast margin of the Snake River Plain, Idaho, in Heisey, E. L., Lawson, D. E., Norwood, E. R., Wach, P. H., and Hale, L. A., eds., Rocky Mountain thrust belt-- geology and resources: Wyoming Geological Association Field Conference, in conjunction with Montana Geological Society and Utah Geological Society, 29th, Teton Village, Wyo.: Wyoming Geological Association Guidebook 29, p. 499-515.
527. Skipp, Betty, and Hall, W. E., 1975, Paleozoic rocks in south-central Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 641-642.

528. Skipp, Betty, Hoggan, R. D., Schleicher, D. L., and Douglass, R. C., 1979, Upper Paleozoic carbonate bank in east-central Idaho--Snaky Canyon, Bluebird Mountain, and Arco Hills Formations, and their paleotectonic significance: U.S. Geological Survey Bulletin 1436, 78 p.
529. Skipp, Betty, Prostka, H. J., and Schleicher, D. L., 1979, Preliminary geologic map of the Edie Ranch quadrangle, Clark County, Idaho, and Beaverhead County, Montana: U.S. Geological Survey Open-File Report 79-845, scale 1:62,500.
530. Smiley, C. J., Shah, S. M. I., and Jones, R. W., 1975, Guidebook for the later Tertiary stratigraphy and paleobotany of the Weiser area, Idaho: Moscow, Idaho Bureau of Mines and Geology Information Circular 28, 13 p.
531. Smith, C. L., 1966, Geology of eastern Mount Bennett Hills, Camas, Gooding, and Lincoln Counties, Idaho: Moscow, University of Idaho, Ph.D. dissertation, 170 p.
532. Smith, G. R., Swirydczuk, Krystyna, Kimmel, P. G., and Wilkinson, B. H., 1982, Fish biostratigraphy of late Miocene to Pleistocene sediments of the western Snake River Plain, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 519-541.
533. Smith, J. F. Jr., 1982, Geologic map of the Strevell 15-minute quadrangle, Cassia County, Idaho: U.S. Geological Survey Miscellaneous Investigations Map I-1403, scale 1:62,500.
534. Smith, R. B., 1977, Seismicity in geothermal areas of the intermountain seismic belt: Eos (American Geophysical Union, Transactions), v. 58, no. 12.
535. --- 1978, Seismicity, crustal structure, and intraplate tectonics of interior of the western cordillera, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics of the western cordillera: Geological Society of America Memoir 152, p. 111-144.
536. --- 1980, Heat flow of the western Snake River Plain, in Geothermal--energy for the eighties: Geothermal Resources Council Annual Meeting, Salt Lake City, Utah, 1980, Transactions, v. 4, p. 39-92.

537. --- 1982, Preface to Yellowstone-Snake River Plain symposium papers: Journal of Geophysical Research, pt. B, v. 87, no. 4.
538. Smith, R. B., Braile, L. W., Ansorge, J., Mueller, S., Prodehl, C., and Healy, J. H., 1980, Lithospheric structure of and intraplate hotspot--the Yellowstone-Snake River Plain region [abs.]: International Geological Congress Abstracts, v. 2, no. 26.
539. Smith, R. B., Braile, L. W., Ansorge, J., Prodehl, C., Schilly, M. M., Baker, M., Mueller, S., and Healy, J. H., 1980, Lithospheric structure in the Yellowstone-Snake River Plain region, in Dornsiepen, U. F., and Haak, M., eds., International Alfred Wegener Symposium--summaries of the contributions: Berlin, Federal Republic of Germany, Geowissenschaftliche Abh., Reihe A, 19, p. 218-219.
540. Smith, R. B., Braile, L. W., Schilly, M. M., Ansorge, J., Prodehl, C., Healy, J. H., Pelton, J. R., Mueller, S., Greensfelder, R., and Olsen, K. H., 1979, The Yellowstone-Snake River Plain seismic profiling experiment--Yellowstone: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
541. Smith, R. B., and Christiansen, R. L., 1980, Yellowstone Park as a window on the Earth's interior: Scientific American, v. 242, no. 2, p. 104-117.
542. Smith, R. B., and Sbar, M. L., 1974, Contemporary tectonics and seismicity of the western United States with emphasis on the intermountain seismic belt: Geological Society of America Bulletin, v. 85, p. 1205-1218.
543. Smith, R. B., Schilly, M. M., Braile, L. W., Ansorge, J., Lehman, J. L., Baker, M. R., Prodehl, C., Healy, J. H., Mueller, S., and Greensfelder, R. W., 1982, The 1978 Yellowstone-eastern Snake River Plain seismic profiling experiment design--crustal structure of the Yellowstone region and experiment design: Journal of Geophysical Research, pt. B, v. 87, no. 4, p. 2581-2596.
544. Smith, R. B., Shuey, R. T., Friedline, R. C., Otis, R. M., and Alley, L. B., 1974, Yellowstone hotspot--new magnetic and seismic evidence: Geology, v. 2, p. 451-455.

545. Smith, R. B., Shuey, R. T., Pelton, J. R., and Bailey, J. P., 1977, Yellowstone hot spot--contemporary tectonics and crustal properties from earthquake and aeromagnetic data: Journal of Geophysical Research, v. 82, p. 3665-3676.
546. Sorenson, R. E., 1927, The geology and ore deposits of the South Mountain mining district, Owyhee County, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 22, 47 p.
547. Sparlin, M. A., 1981, Crustal structure of the eastern Snake River Plain, determined from ray-trace modeling of seismic refraction data: West Lafayette, Ind., Purdue University, M.S. thesis.
548. Sparlin, M. A., Braile, L. W., Baker, M. R., and Smith, R. B., 1979, Interpretation of seismic profiles across the eastern Snake River Plain: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
549. Sparlin, M. A., Braile, L. W., and Smith, R. B., 1982, Crustal structure of the eastern Snake River Plain determined from ray trace modeling of seismic refraction data: Journal of Geophysical Research, pt. 8, v. 87, no. 4, p. 2619-2633.
550. Spear, D. B., 1975a, Crater Rings--an example of pit craters on the western Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 642-643.
551. --- 1975b, Explosion-collapse hypothesis for the origin of Crater Rings, Elmore County, Idaho: Buffalo, New York State University, M.S. thesis.
552. --- 1977, Big Southern Butte, a silicic dome complex on the eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 6, p. 765-766.
553. --- 1979a, Evidence for the mixing of rhyolite and basalt magmas at East Butte, eastern Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 11, no. 6.
554. --- 1979b, The geology and volcanic history of the Big Southern Butte-East Butte area, eastern Snake River Plain, Idaho: Buffalo, New York University, Ph.D. dissertation, 198 p.

555. Spear, D. B., and King, J. S., 1977, Big Southern and East Buttes, rhyolitic domes on the Snake River Plain in Idaho: Planetary Geology, Principal Investigators Annual Meeting, St. Louis, Mo., May 23-26, 1977, U.S. National Aeronautics and Space Administration Technical Memorandum X-3511.
556. --- 1982, The geology of Big Southern Butte, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 395-403.
557. Staatz, M. H., and Albee, H. F., 1966, Geology of the Garns Mountain quadrangle, Bonneville, Madison, and Teton Counties, Idaho: U.S. Geological Survey Bulletin 1205, 122 p.
558. Staley, W. W., 1948, Distribution of heavy alluvial minerals in Idaho: Moscow, Idaho Bureau of Mines and Geology Mineral Resources Report 5, 12 p.
559. --- 1950, Pumice and perlite in Idaho: Moscow, Idaho Bureau of Mines and Geology Mineral Resources Report 6, 10 p.
560. --- 1962, The Oneida perlite deposit: Moscow, Idaho Bureau of Mines and Geology Mineral Resources Report 9, 7 p.
561. Stanley, W. D., 1982, Magnetotelluric soundings on the Idaho National Engineering Laboratory facility, Idaho: Journal of Geophysical Research, pt. 3, v. 87, no. 4, p. 2683-2691.
562. Stanley, W. D., Boehl, J. E., Bostick, F. X., and Smith, H. W., 1977, Geothermal significance of magnetotelluric soundings in the eastern Snake River Plain-Yellowstone region: Journal of Geophysical Research, v. 82, p. 2501-2514.
563. Stearns, H. T., 1928, Craters of the Moon National Monument, Idaho: Moscow, Idaho Bureau of Mines and Geology Survey Bulletin 13, 57 p.
564. --- 1955, Pillar Falls mud flow and Shoshone Falls andesite near Twin Falls, Idaho: Geological Society of America Bulletin, v. 66, p. 463-464.
565. --- 1961, Western Snake River fault zone: Science, v. 133, no. 3450, p. 389-391.

566. --- 1962, Evidence of Lake Bonneville flood along Snake River below King Hill, Idaho: Geological Society of America Bulletin, v. 73, p. 385-387.
567. Stearns, H. T., and Bryan, L. L., 1926, Preliminary report on the geology and water resources of the Mud Lake basin, Idaho: U.S. Geological Survey Water-Supply Paper 560-D, p. 87-134.
568. Stearns, H. T., Bryan, L. L., and Crandall, Lynn, 1939, Geology and water resources of the Mud Lake region, Idaho, including the Island Park area: U.S. Geological Survey Water-Supply Paper 818, 125 p.
569. Stearns, H. T., Crandall, Lynn, and Steward, W. G., 1938, Geology and ground-water resources of the Snake River Plain in southeastern Idaho: U.S. Geological Survey Water-Supply Paper 774, 268 p.
570. Stearns, H. T., and Isotoff, A., 1956, Stratigraphic sequences in the Eagle Rock volcanic area near American Falls, Idaho: Geological Society of America Bulletin, v. 67, p. 19-34.
571. Steele, E. A., 1980, Depositional environments of Marsh Valley, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 12, no. 6, p. B164-B166.
572. Stewart, J. H., 1971, Basin and Range structure--a system of horsts and grabens produced by deep-seated extension: Geological Society of America Bulletin, v. 82, p. 1019-1043.
573. --- 1972, Initial deposits in the cordilleran geosyncline--evidence of a late Precambrian (850 m.y.) continental separation: Geological Society of America Bulletin, v. 83, p. 1345-1360.
574. --- 1978, Basin and Range structure in western North America-- a review, in Smith, R. B., and Eaton, G. P., eds., Cenozoic tectonics and regional geophysics in the western cordillera: Geological Society of America Memoir 152, p. 1-31.
575. Stewart, J. H., and Carlson, J. E., 1976, Cenozoic rocks of Nevada: Nevada Bureau of Mines and Geology Map 52.

576. --- 1978, Geologic map of Nevada: U.S. Geological Survey, Miscellaneous Field Studies Map MF-930, scale 1:500,000.
577. Stewart, J. H., Walker, G. W., and Kleinhampl, F. J., 1975, Oregon-Nevada lineament: Geology, v. 3, p. 265-268.
578. Stokes, W. L., 1963, Geologic map of Utah, northwest section: Utah State Land Board, scale 1:250,000.
579. Stone, G. T., 1966, Petrology of upper Cenozoic basalts of the western Snake River Plain, Idaho [abs.]: Geological Society of America Special Paper no. 87, 168 p.
580. --- 1967, Petrology of upper Cenozoic basalts of the Snake River Plain: Boulder, University of Colorado, Ph.D. dissertation, 392 p.
581. --- 1968, Petrology of upper Cenozoic basalts of the western Snake River Plain [abs., Boulder, University of Colorado, Ph.D. dissertation]: Dissertation Abstracts, v. 28, no. 9, p. 37568.
582. --- 1969, Structural implications of Quaternary lava-dome distribution in the Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts, pt. 7, p. 217.
583. --- 1970, Highly evolved basaltic lavas in the western Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 2, no. 7, p. 695-696.
584. Stout, M. Z., 1975, Mineralogy and petrology of Quaternary lavas, Snake River Plain, Idaho, and the cation distribution in natural titanomagnetites: Calgary, Alberta, Canada, University of Calgary, M.S. thesis.
585. Stout, M. Z., and Nicholls, Jim, 1975, Mineralogy and petrology of Quaternary lavas from the Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.
586. --- 1977, Mineralogy and petrology of Quaternary lavas from the Snake River Plain, Idaho: Canadian Journal of Earth Science, v. 14, no. 9, p. 2140-2156.
587. Street, L. V., and Doupe, T. W., 1975, Tectonic offsets in the vicinity of Shoshone Falls and Glenns Ferry, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 644-645.

588. Strowd, W. B., 1981, A review of the upper Cenozoic stratigraphy overlying the Columbia River Basalt Group in western Idaho: Moscow, University of Idaho, M.S. thesis.
589. Struhsacker, D. W., Jewell, P. W., Zeisloft, Jon, and Evans, S. H. Jr., 1982, The geology and geothermal setting of the Magic Reservoir area, Blaine and Camas Counties, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 377-393.
590. Suppe, J. P., Powell, Christine, and Berry, Robert, 1975, Regional topography, seismicity, Quaternary volcanism, and the present-day tectonics of the western United States: American Journal of Science, v. 275-A, p. 397-496.
591. Swanson, D. A., Anderson, J. L., Camp, V. E., Hooper, P. R., Taubeneck, W. H., and Wright, T. L., 1981, Reconnaissance geologic map of the Columbia River Basalt Group, northern Oregon and western Idaho: U.S. Geological Survey Open-File Report 81-797, scale 1:250,000, 6 sheets.
592. Swanson, D. A., Wright, T. L., Hooper, P. R., and Bentley, R. D., 1979, Revisions in stratigraphic nomenclature of the Columbia River Basalt Group: U.S. Geological Survey Bulletin 1457-G, 59 p.
593. Swirydczuk, Krystyna, 1977, Tephra stratigraphy of sedimentary rocks associated with the Glens Ferry Formation, western Snake River Plain: Ann Arbor, University of Michigan, M.S. thesis, 150 p.
594. --- 1978, Tephra stratigraphy of the Glens Ferry and Chalk Hills Formations, western Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 10, no. 5.
595. --- 1980a, The Pliocene Glens Ferry oolite--lake-margin carbonate deposition in the southwestern Snake River Plain-reply: Journal of Sedimentary Petrology, v. 50, p. 999-1001.
596. --- 1980b, The Pliocene Glens Ferry oolite, pt.II, sedimentology of oolitic lacustrine terrace deposits: Journal of Sedimentary Petrology, v. 50, no. 4, p. 1237-1243.

597. --- 1980c, Sedimentology of the Pliocene Glenns Ferry oolite and its stratigraphic setting in the western Snake River Plain: Ann Arbor, University of Michigan, Ph.D. dissertation, 247 p.
598. --- 1981, Synsedimentary lacustrine phosphorites from the Pliocene Glenns Ferry Formation of southwestern Idaho: Journal of Sedimentary Petrology, v. 51, no. 4, p. 1205-1214.
599. Swirydczuk, Krystyna, Larson, G. P., and Smith, G. R., 1981, Volcanic ash stratigraphy of the Glenns Ferry and Chalk Hills Formations, western Snake River Plain, Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 81-1, 60 p.
600. --- 1982, Volcanic ash beds as stratigraphic markers in the Glenns Ferry and Chalk Hills Formations from Adrian, Oregon, to Bruneau, Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 543-558.
601. Swirydczuk, Krystyna, Wilkinson, B. H., and Smith, G. R., 1978, The Pliocene Shoofly oolite--lake-margin aragonite deposition in the southwestern Snake River Plain [abs.]: Geological Society of America Abstracts with Programs, v. 10, no. 7.
602. --- 1979a, Normally and reversed graded beds within large-scale foresets of oolitic lake-margin bench sequence --Shoofly oolite of southwestern Idaho: American Association of Petroleum Geologists Bulletin, v. 63, no. 3.
603. --- 1979b, The Pliocene Glenns Ferry oolite--lake-margin carbonate deposition in the southwestern Snake River Plain: Journal of Sedimentary Petrology, v. 49, no. 3, p. 995-1004.
604. --- 1980, The Pliocene Glenns Ferry oolite--sedimentology of oolitic lacustrine terrace deposits: Journal of Sedimentary Petrology, v. 50, p. 1237-1248.
605. Taubeneck, W. H., 1966, An evaluation of tectonic rotation of the Pacific Northwest: Journal of Geophysical Research, v. 71, p. 2113-2120.

606. --- 1970, Dikes of the Columbia River Basalt in northeastern Oregon, western Idaho, and southeastern Washington, in Gilmour, E. H., and Stradling, Dale, eds., Second Columbia River Basalt Symposium: Cheney, Wash., Eastern Washington State College Press, p. 73-96.
607. --- 1971, Idaho batholith and its southern extension: Geological Society of America Bulletin, v. 82, p. 1899-1928.
608. Taylor, D. W., 1966, Summary of North American Blancan non-marine mollusks: Malacologia, v. 4, p. 1-172.
609. Thompson, R. N., 1973, Titanian chromite and chromian titanomagnetite from a Snake River Plain basalt, a terrestrial analogue to lunar spinels: American Mineralogy, v. 58, no. 9-10, p. 826-830.
610. --- 1975, Primary basalt and magma genesis, pt. II, Snake River Plain, Idaho, U.S.A.: Contributions to Mineralogy and Petrology, v. 52, p. 213-232.
611. --- 1977, Columbia/Snake River/Yellowstone magmatism in the context of western U.S.A. Cenozoic geodynamics: Tectonophysics, v. 39, no. 4, p. 621-636.
612. Tilley, C. E., and Thompson, R. N., 1970, Melting and recrystallization relations of the Snake River basalts of southern Idaho, U.S.A.: Earth and Planetary Science Letters, v. 8, no. 1, p. 79-92.
613. Todd, V. R., 1975, Late Tertiary low-angle faulting and folding in the Matlin Mountains, northwestern Utah [abs.]: Geological Society of America Abstracts with Programs, v. 7, p. 381-382.
614. Torgersen, T., and Jenkins, W. J., 1979a, Characterization of heat flow in the eastern Snake River Plain, Idaho: Eos (American Geophysical Union, Transactions), v. 60, no. 18.
615. --- 1979b, Comparative helium isotopics for the Snake River Plain-Yellowstone system: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
616. Trimble, A. B., and Smith, R. B., 1975, Seismicity and contemporary tectonics of the Hebgen Lake-Yellowstone Park region: Journal of Geophysical Research, v. 80, p. 733-741.

617. Trimble, D. E., and Carr, W. J., 1961, Late Quaternary history of the Snake River in the American Falls region, Idaho: Geological Society of America Bulletin, v. 72, p. 1739-1748.
618. --- 1976, Geology of the Rockland and Arbon quadrangles, Power County, Idaho: U.S. Geological Survey Bulletin 1399, 115 p.
619. Umpleby, J. B., Westgate, L. G., and Ross, C. P., 1930, Geology and ore deposits of the Wood River region, Idaho: U.S. Geological Survey Bulletin 814, 250 p.
620. U.S. Army Corps of Engineers, 1949, Basis of design, definite project report on Lucky Peak Dam, Boise River, Idaho: Walla Walla, Wash., Office of the District Engineer, v. 1, app. B, Geology, 11 p.
621. --- 1951-1955, Lucky Peak foundation report, chapters I-V, Lucky Peak Dam, Boise River, Idaho: Walla Walla, Wash., Office of the District Engineer.
622. U.S. Geological Survey, 1971, Aeromagnetic map of southwestern Idaho: U.S. Geological Survey Open-File Report, scale 1:500,000.
623. --- 1972a, Geologic map of Yellowstone National Park: U.S. Geological Survey Miscellaneous Geological Investigations Map I-711, scale 1:125,000.
624. --- 1972b, Surficial geologic map of Yellowstone National Park: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-710, scale 1:125,000.
625. --- 1978, Aeromagnetic map of Idaho: U.S. Geological Survey Geophysical Investigations Map GP-919, scale 1:500,000.
626. U.S. Geological Survey, Idaho Bureau of Mines and Geology, Idaho Department of Highways, and Idaho Department of Reclamation, 1964, Mineral and water resources of Idaho: Moscow, Idaho Bureau of Mines and Geology Miscellaneous Report, 335 p.
627. Urbon, T. C., and Diment, W. H., 1975, Heat flow on the south flank of the Snake River rift [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5.

628. Vance, R. B., 1982, Bibliography of the Belt Supergroup in Idaho: Moscow, Idaho Bureau of Mines and Geology Open-File Report 82-6, 25 p.
629. Van Couvering, J. A., 1978, Status of late Cenozoic boundaries: Geology, v. 6, p. 169.
630. Vitaliano, C. J., and Leeman, W. P., 1973, Petrographic and geochemical study of McKinney basalt, Snake River Plain, Idaho [abs.]: Eos (American Geophysical Union, Transactions), v. 54, no. 11, p. 1217-1218.
631. Voegeli, P. T., and Crow, N. B., 1954, Logs of test holes and wells in the central Snake River Plain, Idaho: U.S. Geological Survey Open-File Report IDO-22015, 30 p.
632. Voegeli, P. T., and Deutsch, Morris, 1953, Geology, water supply, and waste disposal at sites 11 and 11a, burial ground and vicinity, National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22027, 42 p.
633. Waldrop, H. A., 1975, Surficial geologic map of the West Yellowstone quadrangle, Yellowstone National Park and adjoining area, Montana, Wyoming, and Idaho: U.S. Geological Survey Miscellaneous Investigations Map I-648, scale 1:62,500.
634. Walker, E. H., 1954, Glacial terraces of the upper Snake River, Wyoming-Idaho [abs.]: Geological Society of America Bulletin, v. 65, no. 12, pt. 2.
635. --- 1964, Subsurface geology of the National Reactor Testing Station, Idaho: U.S. Geological Survey Bulletin 1133-E, 22 p.
636. Walker, G. W., 1977, Geologic map of Oregon east of the 121st meridian: U.S. Geological Survey Miscellaneous Investigations Map I-902, scale 1:500,000, 2 sheets.
637. Walker, G. W., and Macleod, N. S., 1977, Rhyolitic volcanism in southeastern Oregon and the Snake River Plain, Idaho--similarities and contrasts [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 7, p. 1215-1216.

638. Ward, R. W., and Nation, J. B., 1979, Seismic reflections observed during 1978 Snake River Plain-Yellowstone seismic refraction experiment: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
639. Warner, M. M., 1975, Special aspects of Cenozoic history of southern Idaho and geothermal implications [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 5, p. 649-650.
640. --- 1976, New data enhanced Idaho prospects: Oil and Gas Journal, v. 74, no. 27, p. 133-137.
641. --- 1977, The Cenozoic of the Snake River Plain of Idaho, in Heisey, E. L., Lawson, D. E., Norwood, E. R., Wach, P. H., and Hale, L. A., eds., Rocky Mountain thrust belt--geology and resources: Wyoming Geological Association Field Conference, in conjunction with Montana Geological Society and Utah Geological Society, 29th, Teton Village, Wyo.: Wyoming Geological Association Guidebook 29, p. 313-326.
642. Waters, A. C., 1961, Stratigraphic and lithologic variations in the Columbia River Basalts: American Journal of Science, v. 259, p. 583-611.
643. --- 1962, Basalt magma types and their tectonic associations --Pacific Northwest of the United States: American Geophysical Union Monograph 6, p. 158-170.
644. Watkins, N. D., and Baksi, A. K., 1974, Magnetostratigraphy and oroclinal folding of the Columbia River, Steens, and Owyhee Basalts in Oregon, Washington, and Idaho: American Journal of Science, v. 274, p. 148.
645. Wayne State University, and Parsons, W. H., 1965, Structures and origin of volcanic rocks, Montana-Wyoming-Idaho--National Science Foundation Summer Conference, 1965 Guidebook: Detroit, Mich., Wayne State University, 52 p.
646. --- 1968, Structures and origin of volcanic rocks, Montana-Wyoming-Idaho--National Science Foundation Summer Field Course, 1968 Guidebook: Detroit, Mich., Wayne State University, 74 p.

647. Weathers, M. S., Bonnicksen, Bill, and Travers, W. B., 1973, Low-silica rhyolites from the Snake River Plain, Idaho [abs.]: Eos (American Geophysical Union, Transactions), v. 54, no. 4, p. 512.
648. Weaver, C. S., Pitt, A. M., and Hill, D. P., 1979, Crustal spreading direction of the Snake River Plain-Yellowstone system: Eos (American Geophysical Union, Transactions), v. 60, no. 46.
649. Wheeler, H. E., and Cook, E. F., 1954, Structural and stratigraphic significance of the Snake River capture, Idaho-Oregon: Journal of Geology, v. 62, no. 6, p. 525-536.
650. White, D. E., Fournier, R. O., Muffler, L. J. P., and Truesdell, A. H., 1975, Physical results of research drilling in thermal areas of Yellowstone National Park, Wyoming: U.S. Geological Survey Professional Paper 892, 70 p.
651. Wier, S., 1979, Geomagnetic variation anomalies on the central Snake River Plain: Eos (American Geophysical Union, Transactions), v. 60, no. 46, p. 944.
652. Wigley, W. C., 1976, The glacial geology of the Copper basin, Custer County, Idaho--a morphologic and pedogenic approach: Bethlehem, Pa., Lehigh University, M.S. thesis, 104 p.
653. Wigley, W. C., Peisquini, T. P., and Evenson, E. B., 1978, Glacial history of the Copper basin, Idaho--a pedologic, provenance, and morphologic approach, in Mahaney, W. C., ed., Quaternary soils [abs.]: Norwich, England, Geological Abstracts, p. 265-307.
654. Williams, P. L., Covington, H. R., and Pierce, K. L., 1982, Cenozoic stratigraphy and tectonic evolution of the Raft River basin, Idaho, in Bonnicksen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 491-504.
655. Williams, P. L., Mabey, D. R., Zohdy, A. A. R., Ackerman, Hans, Hoover, D. B., Pierce, K. L., and Oriel, S. S., 1976, Geology and geophysics of the southern Raft River Valley geothermal area, Idaho, U.S.A.: United Nations Symposium on Development and Use of Geothermal Resources, 2d, San Francisco, Calif., May 20-29, 1975, Proceedings, v. 2, p. 1273-1282.

656. Williams, P. L., Pierce, K. L., McIntyre, D. H., and Schmidt, P. W., 1974, Preliminary geologic map of the southern Raft River area, Cassia County, Idaho: U.S. Geological Survey Open-File Report 74-1126.
657. Wilson, M. D., and Slupetzky, H., 1977, Origin of pattern ground near Boise, Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 9, no. 6, p. 775-776.
658. Witkind, I. J., 1972, Geologic map of the Henrys Lake quadrangle, Idaho and Montana: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-781-A, scale 1:62,500, 2 sheets.
659. --- 1975a, Geology of a strip along the Centennial fault, southwestern Montana and adjacent Idaho: U.S. Geological Survey Miscellaneous Investigations Map I-890, scale 1:62,500.
660. --- 1975b, Preliminary map showing known and suspected active faults in Idaho: U.S. Geological Survey Open-File Report 75-278, scale 1:500,000, 71 p.
661. --- 1977, A study of the ash rings of Split Butte--a maar crater of the south-central Snake River Plain, Idaho: Buffalo, State University of New York, M.A. thesis, 53 p.
662. Womer, M. B., 1977, The origin of Split Butte, a maar crater of the south-central Snake River Plain, Idaho, in Volcanism of the eastern Snake River Plain, Idaho--a comparative planetary geology guidebook: U.S. National Aeronautics and Space Administration, CR-154621, p. 190-202.
663. Womer, M. B., Greeley, Ronald, and King, J. S., 1980, The geology of Split Butte, a maar crater of the south-central Snake River Plain, Idaho: Bulletin Volcanologique, v. 43, p. 453-471.
664. --- 1982, Phreatic eruptions of the eastern Snake River Plain of Idaho, in Bonnichsen, Bill, and Breckenridge, R. M., eds., Cenozoic geology of Idaho: Moscow, Idaho Bureau of Mines and Geology Bulletin 26, p. 453-464.
665. Womer, M. B., King, J. S., and Greeley, Ronald, 1977, A study of the tephra deposits of Split Butte, a maar crater of south-central Snake River Plain, Idaho: Planetary Geology, Principal Investigators Annual Meeting, St. Louis, Mo., May 23-26, 1977, U.S. National Aeronautics and Space Administration Technical Memorandum X-3511, 137 p.

666. Wong, G., 1982, Preliminary map of the mining districts of the Basin and Range area of Idaho: U.S. Geological Survey Open-File Report 82-0418, scale 1:50,000, 10 p.
667. Wood, S. H., Burnham, W. L., and Osterman, D., 1982, Field trip guide to the Boise foothills, Idaho: Idaho Association of Professional Geologists unpublished Field Trip Guide.
668. Wood, S. H., Mitchell, J. C., and Anderson, J., 1980a, Subsurface geology and geothermal prospects in the Nampa-Caldwell area of the Snake River Plain, Idaho: Boise, Idaho, Boise State University, Department of Geology and Geophysics, 3 p.
669. --- 1980b, Subsurface geology and geothermal prospects in the Nampa-Caldwell area of the western Snake River Plain, Idaho, in Berge, C. W., Geothermal--energy for the eighties: Geothermal Resources Council Annual Meeting, Salt Lake City, Utah, 1980, Transactions, no. 4, p. 265-267.
670. Wright, Lauren, 1976, Late Cenozoic fault patterns and stress fields in the Great Basin and westward displacement of the Sierra Nevada block: Geology, v. 4, p. 489-494.
671. Wright, T. L., Grolier, M. J., and Swanson, D. A., 1973, Chemical variations related to the stratigraphy of the Columbia River Basalt: Geological Society of America Bulletin, v. 34, p. 371-386.
672. Youngquist, Walter, and Haegeler, J. R., 1956, Geological reconnaissance of the Cassia Mountain region, Twin Falls and Cassia Counties, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 110, 13 p.
673. Youngs, F. O., Kern, A. J., and Poulson, E. N., 1925, Soil survey of the Soda Springs-Bancroft area, Idaho: U.S. Department of Agriculture, Bureau of Chemistry and Soils, series 1923, no. 27, p. 539-902.
674. Zietz, Isidore, Gilbert, F. P., and Kirby, J. R. Jr., 1978, Aeromagnetic map of Idaho--color coded intensities: U.S. Geological Survey Geophysical Investigations Map GP-920, scale 1:100,000.
675. Zoback, M. L., and Thompson, G. A., 1978, Basin and Range rifting in northern Nevada--clues from a mid-Miocene rift and its subsequent offsets: Geology, v. 6, p. 111-116.

676. Zohdy, A. A. R., and Stanley, W. D., 1972, Profiles of deep electrical soundings of the Snake River Plain, Idaho [abs.]: Geological Society of America Abstracts, v. 4, no. 6, p. 423-424.
677. Zohdy, A. A. R., and Bisdorf, R. J., 1979, Deep Schlumberger soundings for geothermal exploration at INEL, Snake River Plain, Idaho [abs.]: Society of Exploration Geophysicists Annual International Meeting, 49th, New Orleans, La., November 4-8, 1979, Abstracts, p. 101-102.
678. Zohdy, A. A. R., Bisdorf, R. J., and Jackson, D. B., 1978, Simple total field and Schlumberger soundings near Sugar City, Idaho: U.S. Geological Survey Open-File Report 78-709, 101 p.
679. Zohdy, A. A. R., and Stanley, W. D., 1973, Preliminary interpretation of electrical sounding curves obtained across the Snake River Plain from Blackfoot to Arco, Idaho: U.S. Geological Survey Open-File Report, 3 p.

Hydrology

- 680. Abegglen, D. E., Wallace, A. T., and Williams, R. E., 1970, The effects of drain wells on the ground-water quality of the Snake River Plain: Moscow, Idaho Bureau of Mines and Geology Pamphlet 148, 51 p.
- 681. Ali, M. B., 1973, The economic impact of using saved irrigation water in southeastern Idaho: Moscow, University of Idaho, M.S. thesis.
- 682. Allen, R. G., 1982, Weather and consumptive use for irrigated and rangeland sites in southern Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Partial Technical Completion Report.
- 683. Allen, R. G., and Brockway, C. E., 1979, Relationships of costs and water use efficiency for irrigation projects in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Technical Completion Report Project B-039-ID.
- 684. Allen, R. G., Brockway, C. E., and Busch, J. R., 1978, Planning optimal irrigation distribution and application systems--Teton flood damaged lands: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Technical Completion Report.
- 685. Anderson, K. E., and Glover, R. E., 1969, Advisability of establishing a groundwater research center in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research, Information Circular 2, 24 p.
- 686. Arney, B. H., Beyer, J. H., Simon, D. B., Tonani, F. B., and Weiss, R. B., 1980, Hot dry rock geothermal site evaluation, western Snake River Plain, Idaho: Geothermal Resources Council Transactions, v. 4, p. 197-200.
- 687. Bailey, W. C., 1975, Economic evaluation of Idaho's water supply: Moscow, University of Idaho, M.S. thesis, 96 p.
- 688. Barraclough, J. T., 1953, Records of wells in western Jefferson County, Idaho: U.S. Geological Survey Open-File Report, 54 p.
- 689. ---1978, Effects of nuclear fuel reprocessing plant waste on waters in the Snake River Plain aquifer, Idaho: Eos (American Geophysical Union, Transactions), v. 59, no. 4.

690. ---1979, Liquid waste disposal at the INEL and resultant waste plumes in the Snake River Plain aquifer, in Markham, O. D., and Arthur, W. J., eds., Symposium on the Idaho National Engineering Laboratory Ecology Programs, Wyoming, Sept. 10-12, 1978, Proceedings, IDO-12088.
691. ---1982, Idaho National Engineering Laboratory, 1982: U.S. Geological Survey Circular 847, p. 57-59.
692. Barraclough, J. T., and Jensen, R. G., 1976, Hydrologic data for the Idaho National Engineering Laboratory, Idaho, 1971-1973: U.S. Geological Survey Open-File Report 75-318 (IDO-22055), 24 p.
693. Barraclough, J. T., Lewis, B. D., and Jensen, R. G., 1981, Hydrologic conditions at the Idaho National Engineering Laboratory, Idaho; emphasis 1974-1978: U.S. Geological Survey Open-File Report 81-526, 122 p.
694. ---1982, Hydrologic conditions at the Idaho National Engineering Laboratory, Idaho; emphasis 1974-1978: U.S. Geological Survey Water-Supply Paper 2191, 52 p.
695. Barraclough, J. T., Robertson, J. B., and Janzer, V. J., 1976, Hydrology of the solid waste burial ground as related to the potential migration of radionuclides, Idaho National Engineering Laboratory: U.S. Geological Survey Open-File Report 76-471 (IDO-22056), 199 p.
696. Barraclough, J. T., Teasdale, W. E., and Jensen, R. G., 1967, Hydrology of the National Reactor Testing Station, Idaho; annual progress report, 1965: U.S. Geological Survey Open-File Report (IDO-22048), 107 p.
697. Barraclough, J. T., Teasdale, J. B., Robertson, J. B., and Jensen, R. G., 1967, Hydrology of the National Reactor Testing Station, Idaho, 1966: U.S. Geological Survey Open-File Report [67-12] (IDO-22049), 95 p.
698. Bartells, J. H., 1976, Teton Dam flood of June 1976, Blackfoot quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-579, scale 1:24,000.
699. Belt, G. H., 1970, Spring evapotranspiration from low sagebrush range in southern Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.

700. Blakey, J. F., 1966, Temperature of surface waters in the conterminous United States: U.S. Geological Survey Hydrologic Investigations Atlas HA-235, scale 1:5,000,000, 3 sheets, 8 p.
701. Bondurant, J. A., Brockway, C. E., and Worstell, R. V., 1971, Water resource management on the upper Snake River valley in Irrigation and Drainage Specialty Conference, Proceedings: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, 25 p.
702. Briggs, J. C., and Ficke, J. F., 1977, Quality of rivers of the United States, 1975 water year--based on the National Stream Accounting Network (NASQAN): U.S. Geological Survey Open-File Report 78-200, 474 p.
703. Bristol, A. L., 1973, Phosphorus chemistry of some drainage waters and sediments from irrigated land in the Boise River valley: Moscow, University of Idaho, M.S. thesis, 66 p.
704. Brockway, C. E., 1966, Groundwater investigations and canal seepage studies: Moscow, University of Idaho, Agricultural Experiment Station, Special Research Project 102, Progress Report 1.
705. ---1979, Snake Plain aquifer model studies: Idaho's Water, v. 6, no. 4.
706. Brockway, C. E., and Bloomsburg, G. L., 1968, Movement of water from canals to groundwater tables: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
707. Brockway, C. E., Bondurant, J. A., and Worstell, R. V., 1971, Systems analysis of irrigation water management in eastern Idaho: Moscow, University of Idaho, Engineering Experimental Station, College of Engineering Progress Report 1.
708. ---1972, Water resources management in the upper Snake River valley: American Society of Engineers Irrigation and Drainage Division Special Conference, Spokane, Wash., Proceedings.
709. Brockway, C. E., and Clairborn, B. A., 1975, Impact of changes in irrigation water management in eastern Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.

710. Brockway, C. E., and de Sonnevile, J. L. J., 1973, Systems analysis of irrigation water management in eastern Idaho: Moscow, University of Idaho, Technical Completion Report.
711. Brockway, C. E., and Grover, K. P., 1978, Evaluation of urbanization and changes in land use on the water resources of mountain valleys: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Technical Completion Report Project B-038-IDA.
712. Brockway, C. E., Johnson, G. S., and Luttrell, S. P., 1982, Application of a numerical ground water model to the Mud Lake area in southeastern Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
713. Brockway, C. E., and Mayland, H. F., 1980, Frequency analyses of western snow data: American Society of Civil Engineers Watershed Management Symposium, Boise, Idaho, 1980, Proceedings.
714. Brockway, C. E., and Warrick, C. C., 1974, Hydrology support study, a case study of federal expenditures on a water and related land resource project: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Idaho and Oregon Project C-4202.
715. Brockway, C. E., and Worstell, R. V., 1967, Groundwater investigations and canal seepage studies: Moscow, University of Idaho, Engineering Experimental Station, Special Research Project 102, Progress Report 2.
716. Brott, C. A., Blackwell, D. D., and Mitchell, J. C., 1976, Geothermal investigations in Idaho, pt. 8, Heat flow in the Snake River Plain region, southern Idaho: Idaho Department of Water Resources Water Information Bulletin 30, 195 p.
717. ---1977, Regional heat and the geothermal character of the Snake River Plain, Idaho, in Geothermal--state of the art, v. 1: Geothermal Resources Council Annual Meeting, San Diego, Calif., 1977, Transactions, p. 31-32.
718. Brown, J. C., 1981, Regional management considerations of groundwater resources in layered volcanics of Idaho, Oregon, and Washington: Pullman, Wash., State Department of Ecology, Contract no. 81-068, 103 p.

719. Bue, C. D., 1963, Principal lakes of the United States: U.S. Geological Survey Circular 476, 22 p.
720. Burman, R. D., Wright, J. L., and Jensen, M. E., 1975, Changes in climate and potential evapotranspiration across large irrigated areas in Idaho: American Society of Agricultural Engineers, Transactions, v. 18, no. 6, p. 1089-1093.
721. Burnham, W. L., and others, 1966, Ground-water conditions in Idaho, 1966: Idaho Department of Reclamation, Water Information Bulletin 1, 63 p.
722. Busby, M. W., 1966, Annual runoff in the conterminous United States: U.S. Geological Survey Hydrologic Atlas HA-212, scale 1:7,500,000.
723. Busch, J. R., and Yoo, K., 1981, Evaluation of models and procedures used for river operations and planning of the Snake River basin in southern and southeastern Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
724. Bushnell, V. C., 1969, Eutrophication investigation of American Falls Reservoir: Boise, Idaho, U.S. Bureau of Reclamation, Pacific Northwest Region, 130 p.
725. Carlson, R. D., 1974, A water, nutrient, and sediment budget for an irrigated farm in the Boise Valley: Moscow, University of Idaho, M.S. thesis, 161 p.
726. Carrigan, P. H. Jr., 1972, Probability of exceeding capacity of flood-control system at the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report [72-63] (ID0-22052), 102 p.
727. Carter, D. L., Bondurant, J. A., and Robbins, C. W., 1971, water-soluble NO₃-nitrogen, P₀₄-phosphorus, and total salt balances on a large irrigation tract: Soil Science Society of America Proceedings, v. 35, no. 2, p. 331-335.
728. Carter, D. L., and Robbins, C. W., 1978, Salt outflows from new and old irrigated lands: Soil Science Society of America Journal, v. 42, no. 4, p. 627-632.

729. Carter, D. L., Robbins, C. W., and Bondurant, J. A., 1973, Total salt, specific ion, and fertilizer element concentrations and balances in the irrigation and drainage waters of the Twin Falls tract in southern Idaho: Kimberly, Idaho, U.S. Department of Agriculture, Snake River Conservation Research Center, Report ARS-W-4, 37 p.
730. Carter, G. N., 1926, Well pumping for drainage and supplemental irrigation, in Fourth Biennial Report: Idaho Department of Reclamation, p. 32-35.
731. Castelin, P. M., 1974, Water resources of the Aberdeen-Springfield area, Bingham and Power Counties, Idaho: Idaho Department of Water Resources Water Information Bulletin 36, 33 p.
732. Castelin, P. M., and Chapman, S. L., 1972, Water resources of the Big Wood River-Silver Creek area, Blaine County, Idaho: Idaho Department of Water Resources Water Information Bulletin 28, 44 p.
733. Castelin, P. M., and Winner, J. E., 1975, Effects of urbanization on the water resources of the Sun Valley-Ketchum area, Blaine County, Idaho: Idaho Department of Water Resources Water Information Bulletin 40.
734. Chapman, S. H., 1921, Water distribution and hydrometric work, Districts 7 and 11, Big and Little Wood Rivers: Shoshone, Idaho, Annual Report of the Watermaster, Districts 7A, 7B, and 11AB.
735. Chapman, S. L., and Ralston, D. R., 1970, Water resources of the Blue Gulch area--eastern Owyhee and western Twin Falls Counties, Idaho: Idaho Department of Water Administration Water Information Bulletin 20, 36 p.
736. Chapman, S. L., and Sisco, G. L., 1973, Ground-water development in Idaho, 1970-71: Idaho Department of Water Resources Water Information Bulletin 29.
737. Chapman, S. L., and Young, N. C., 1972, Water resources of western Oneida and southern Power Counties: Idaho Department of Water Resources Water Information Bulletin 25.
738. Chappel, R. N., Griffith, J. L., Knoweles, W. R., and Schultz, R. J., 1978, The multipurpose geothermal test and experimental activities at Raft River, Idaho, in Geothermal energy--a novelty becomes a resource: Geothermal Resources Council Annual Meeting, 1978, Transactions, v. 2, p. 83-87.

739. Cheline, R. J., 1968, An economic approach to use of groundwater in the Oakley fan area of Cassia County, Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 103 p.
740. Cheline, R. J., and Haynes, R. G., 1968, Relationship of pumping lift to economic use of groundwater for irrigation: Moscow, University of Idaho, Agricultural Experiment Station Progress Report 130, 26 p.
741. Claiborn, B. A., 1975, Predicting attainable irrigation efficiencies in the upper Snake River region: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, 213 p.
742. Clebsch, Alfred, Jr., Waite, H. A., and Decker, S. O., 1974, The availability of water in the Little Lost River basin, Idaho: Idaho Department of Water Resources Water Information Bulletin 37, 60 p.
743. Collett, R. R., and Warnick, C. C., 1962, Idaho reconnaissance precipitation gauge: Moscow, University of Idaho, Engineering Experimental Station Circular 1.
744. Collins, C. A., 1979, Ground-water data in the Baker County-northern Malheur County area, Oregon: U.S. Geological Survey Open-File Report 79-695, 28 p.
745. Collins, W. D., and Howard, C. S., 1926, Index of analyses of natural waters in the United States: U.S. Geological Survey Water-Supply Paper 550-C, p. 53-85.
746. Corbett, M. K., Anderson, J. E., and Mitchell, J. C., 1980, Geothermal investigations in Idaho, pt. 10, An evaluation of thermal water occurrences in the Tyhee area, Bannock County, Idaho: Idaho Department of Water Resources Water Information Bulletin 30, 67 p.
747. Cordes, S. C., 1980, Surface-water data for Idaho, 1971-1975: U.S. Geological Survey Open-File Report 80-2041, 786 p.
748. Corey, G. L., and Lindeborg, K. H., 1971, Relationship of pumping lift to economic use of groundwater for irrigation: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.

749. Crosthwaite, E. G., 1954, Ground-water development and problems in Idaho: U.S. Geological Survey Open-File Report [54-60], 17 p.
750. ---1956a, Ground-water possibilities south of the Snake River between Twin Falls and Pocatello, Idaho: U.S. Geological Survey Open-File Report, 89 p.
751. ---1956b, Ground-water use in Idaho: U.S. Geological Survey Open-File Report [56-31], 7 p.
752. ---1956c, Well records and ground-water levels in western Jerome County, Idaho: U.S. Geological Survey Open-File Report [56-32], 151 p.
753. ---1963, Ground-water reconnaissance of the Sailor Creek area, Cwyhee, Elmore, and Twin Falls Counties, Idaho: U.S. Geological Survey Open-File Report, 53 p.
754. ---1969a, Water resources of the Goose Creek-Rock Creek area, Idaho, Utah, and Nevada: Idaho Department of Water Resources Water Information Bulletin 8, 73 p.
755. ---1969b, Water resources of the Salmon Falls Creek basin, Idaho-Nevada: U.S. Geological Survey Water-Supply Paper 1879-D, 33 p.
756. ---1973, A progress report on results of test-drilling and ground-water investigations of the Snake Plain aquifer, southeastern Idaho: Idaho Department of Water Resources Water Information Bulletin 32, 60 p.
757. ---1979, Chemical analyses of ground water related to geothermal investigations in the Teton River area, eastern Idaho: U.S. Geological Survey Open-File Report 79-687, 24 p.
758. Crosthwaite, E. G., and Dyer, K. L., 1970, Water resources in the Big Lost River basin, south-central Idaho: U.S. Geological Survey Open-File Report, 109 p.
759. Crosthwaite, E. G., Mundorff, M. J., and Walker, E. H., 1967, Ground-water aspects of the lower Henrys Fork region, eastern Idaho: U.S. Geological Survey Open-File Report [67-71], 79 p.

760. ---1970 [1971], Ground-water aspects of the lower Henrys Fork region, eastern Idaho: U.S. Geological Survey Water-Supply Paper 1879-C, 23 p.
761. Crosthwaite, E. G., and Scott, R. C., 1956, Ground water in the North Side Pumping Division, Minidoka Project, Minidoka County, Idaho: U.S. Geological Survey Circular 371, 20 p.
762. Crosthwaite, E. C., Thomas, C. A., and Dyer, K. L., 1970a, Considerations for water use and management in the Big Lost River basin, Idaho: U.S. Geological Survey Open-File Report, 15 p.
763. ---1970b, Water resources of the Big Lost River basin, south-central Idaho: U.S. Geological Survey Open-File Report [70-93], 109 p.
764. Darwin, A. G., 1929, Potential and developed water powers of Idaho; with a discussion of some available power sites on the Snake, Clearwater, and Salmon Rivers: Moscow, University of Idaho, M.S. thesis, 310 p.
765. Davis, A. P., 1897, Report of progress of stream measurements for the calendar year 1896: Washington, D.C., Eighteenth Annual Report of the United States Geological Survey to the Secretary of the Interior, 1896-97; Charles D. Walcott, Director, 1897, pt. IV, p. 1-418.
766. Davis, G. H., and Wood, L. A., 1974, Water demands for expanding energy development: U.S. Geological Survey Circular 703, 14 p.
767. Decker, S. O., Hammond, R. E., Kjelstrom, L. C., and others, 1970, Miscellaneous streamflow measurements in Idaho, 1894-1967, a compilation of stream discharges at miscellaneous sites and peak discharges at partial-record stations: U.S. Geological Survey Basic-Data Release, 310 p.
768. de Sonneviller, J. L. J., 1974, Development of a digital groundwater model with application to aquifers in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 243 p.
769. Dion, N. P., 1972, Some effects of land-use changes on the shallow ground-water system in the Boise-Nampa area, Idaho: Idaho Department of Water Resources Water Information Bulletin 26, 47 p.

770. ---1974, An estimate of leakage from Blackfoot Reservoir to Bear River basin, southeastern Idaho: Idaho Department of Water Administration Water Information Bulletin 34, 24 p.
771. Dion, N. P., and Griffiths, M. C., 1967, Ground-water monitoring network for southwestern Idaho: Idaho Department Water Resources water Information Bulletin 2, 16 p.
772. Druffel, Leroy, Stiltner, G. J., and Keefer, T. N., 1979, Probable hydrologic effects of a hypothetical failure of Mackay Dam on the Big Lost River valley from Mackay, Idaho, to the Idaho National Engineering Laboratory: U.S. Geological Survey Open-File Report/ Water-Resources Investigations 79-99 (100-22058), 53 p.
773. Durfor, C. N., and Becker, Edith, 1964, Chemical quality of public water supplies of the United States and Puerto Rico, 1962, shown as statewide averages, mainly in graphic and tabular form: U.S. Geological Survey Hydrologic Atlas HA-200.
774. Dutton, C. E., 1890, Report of Captain C. E. Dutton: Washington, D.C., Tenth Annual Report of the United States Geological Survey to the Secretary of the Interior, 1888-89; J. W. Powell, Director, pt. II, p. 78-108.
775. Dyer, K. L., 1973, An evaluation of water-quality data obtained at four streamflow daily-record stations in Idaho: U.S. Geological Survey Water-Resources Investigations 30-73, 51 p.
776. Dyer, K. L., and Young, H. W., 1971, A reconnaissance of the quality of water from irrigation wells and springs in the Snake Plain aquifer, southeastern Idaho: U.S. Geological Survey Open-File Report, 29 p.
777. Eier, D. D., 1976, Irrigation with wastewater from corn canning operations at Buhl, Idaho: Moscow, University of Idaho, M.S. thesis, 98 p.
778. Eier, D. D., Wallace, A. T., and Williams, R. E., 1971, Irrigation and fertilization with wastewater in compost science, May-June 1971: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, 4 p.

779. Fader, S. W., 1952a, Records of wells and ground-water withdrawals in the Dry Creek area, Cassia and Twin Falls Counties, southern Idaho: U.S. Geological Survey Open-File Report, 114 p.
780. ---1952b, Records of wells and ground-water withdrawals for irrigation in Raft River valley, Cassia County, Idaho: U.S. Geological Survey Open-File Report [52-42], 134 p.
781. Fader, S. W., and Mower, R. W., 1952, Records of wells and ground-water levels in Minidoka County, Idaho: U.S. Geological Survey Open-File Report [52-43], 173 p.
782. Feth, J. H., and others, 1965, Preliminary map of the conterminous United States showing depth to and quality of shallowest ground water containing more than 1,000 parts per million dissolved solids: U.S. Geological Survey Hydrologic Investigations Atlas HA-199, scale 1:3,168,000, 2 sheets, 31 p.
783. Follansbee, Robert, 1922, Some characteristics of run-off in the Rocky Mountain region: U.S. Geological Survey Water-Supply Paper 500-C, p. 55-74.
784. Fortier, D. H., 1975, Conceptual study of potential large underground reservoirs in southern Idaho: Moscow, University of Idaho, M.S. thesis, 87 p.
785. Fowler, K. H., 1957, Status of ground-water storage in the Columbia River Basin in 1957: U.S. Geological Survey Open-File Report.
786. ---1960a, Basic well records for preliminary report on ground water in the Salmon Falls area, Twin Falls County, Idaho: U.S. Geological Survey Open-File Report.
787. ---1960b [1961], Preliminary report on ground water in the Salmon Falls area, Twin Falls County, Idaho: U.S. Geological Survey Circular 436, 17 p.
788. Foxworthy, B. L., 1979 [1980], Summary appraisals of the Nation's ground-water resources--Pacific Northwest Region: U.S. Geological Survey Professional Paper 813-S, 39 p.
789. Freeman, G. E., Allen, R. G., and Brockway, C. E., 1981, Bruneau Plateau water development project, Management and systems for water and energy savings, Bruneau Project, Idaho: Moscow, University of Idaho, Research Technical Completion Report, 183 p.

790. Frink, J. W., and Fulcher, M. K., 1967, Effective use of upper Snake River water resources: American Society of Civil Engineers, Journal of Irrigation and Drainage Division, v. 93, no. IR 1, p. 99-112.
791. Galinato, G. D., 1974, Evaluation of irrigation systems in the Snake River fan, Jefferson County, Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 150 p.
792. Galinato, G. D., and Packer, M. R., 1981a, Bruneau Plateau water development project: Boise, Idaho Water Resource Board, final report, 157 p.
793. ---1981b, Bruneau Plateau water development project, supplemental water supplies: Boise, Idaho Water Resource Board, supplementary report no. 4, 107 p.
794. Gladwell, J. S., Warnick, C. C., and Heitz, C. F., 1979, A resource survey of low-head hydroelectric potential, Pacific Northwest Region: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
795. Glover, R. E., Frink, J. W., and Phillips, H. B., 1967, Snake Plain analog studies: American Society of Civil Engineers, Journal of the Irrigation and Drainage Division, v. 93, no. IR 4.
796. Goldstein, F. J., and Weight, W. D., 1982, Subsurface information from eight wells drilled at the Idaho National Engineering Laboratory: U.S. Geological Survey Open-File Report 82-0644, 34 p.
797. Goranson, R. R., 1964, A study of hydro peaking capacity in Idaho: Moscow, University of Idaho, M.S. thesis, 51 p.
798. Graham, W. G., 1979, The impact of intensive disposal well use on the quality of domestic groundwater supplies in southeast Minidoka County, Idaho: Annual Engineering Geology and Soils Symposium, 17th, Moscow, Idaho, Proceedings, p. 303-316.
799. Grant, D. L., 1975, Selected problems in Idaho groundwater law: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.

800. Greiting, G. W., 1972, An economic history and analysis of the Great Feeder Canal of southeastern Idaho: Logan, Utah State University, M.S. thesis, 90 p.
801. Haas, W. T., 1972, State of Idaho--interim state preliminary report: Boise, Idaho Water Resource Board, 269 p.
802. Hadley, R. F., 1963, Hydrology of stock-water development in southeastern Idaho: U.S. Geological Survey Water-Supply Paper 1475-P, p. 563-599.
803. Ham, H. H., 1968, Replacement ground-water supply first phase--Lower Teton Division basin project, Idaho: U.S. Bureau of Reclamation Open-File Report.
804. ---1971, High-capacity wells for conjunctive use of water: Ground Water, v. 9, no. 5, p. 4-11.
805. Hamilton, J. R., and others, 1981, The drought in Idaho--economic impacts and the responses of irrigators and water delivery organizations: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
806. Hammond, J., 1978, A program to promote irrigation conservation in Idaho: Idaho Department of Water Resources Investigative Studies 535.
807. Harbeck, G. E. Jr., 1948, Reservoirs in the United States: U.S. Geological Survey Circular 23, 72 p.
808. Harenberg, W. A., 1980 [1981], Using channel geometry to estimate flood flows at ungaged sites in Idaho: U.S. Geological Survey Water-Resources Investigations 80-32, 57 p.
809. Harenberg, W. A., and Bigelow, B. B., 1976a, Teton Dam flood of June 1976, Moody quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-568, scale 1:24,000.
810. ---1976b, Teton Dam flood of June 1976, Rexburg quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-569, scale 1:24,000.
811. Harper, R. W., and Hubbard, E. F., 1980, Winter water--the flooding at Boise, Idaho, January 11-12, 1979: U.S. Geological Survey Open-File Report 80-201.

812. Haskett, Gordon, Jensen, Alan, and Gangwar, David, 1977, Groundwater studies, Henrys Fork, Teton River area, Fremont and Madison Counties, Idaho: Boise, Idaho, U.S. Bureau of Reclamation, 35 p.
813. Hayden, F. V., 1883, Twelfth annual report of the Geological and Geographical Survey of the Territories; a report of the progress of the exploration in Wyoming and Idaho for the year 1878, pt. 1 and 2: Washington, D.C., 1312 p.
814. Haynes, R. G., 1969, A cost analysis of pumping from irrigation wells in Cassia County, Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 80 p.
815. Heitz, L. F., 1975, The potential for nuclear and geothermal power plant siting in Idaho as related to water resources: Moscow, University of Idaho, M.S. thesis, 100 p.
816. Heitz, L. F., Warnick, C. C., and Gladwell, J. S., 1980, Idaho hydroelectric potential--theoretical potential in streams and potential at existing dams and proposed sites: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
817. Hernandez, P. A., 1973, Water resources planning report-Henrys Fork basin: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 41 p.
818. Heroy, W. B., 1920, Water resources, in Mansfield, G. R., Geography, geology, and mineral resources of the Fort Hall Indian Reservation, Idaho: U.S. Geological Survey Bulletin 713, p. 119-148.
819. Hofmann, Walter, and Rantz, S. E., 1963, Floods of December 1955-January 1956 in the Far Western States--pt. 1, Description, pt. 2, Streamflow data: U.S. Geological Survey Water-Supply Paper 1650, 736 p.
820. Holte, K. E., 1973, Environmental survey of the Teton River and Henrys Fork of the Snake River: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Technical Completion Report.
821. Holte, K. E., Rose, F. L., and Trost, C. H., 1970, An environmental survey of the Big and Little Wood Rivers in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Information Bulletin 4.

822. Hoyt, W. G., 1935, Water utilization in the Snake River basin: U.S. Geological Survey Water-Supply Paper 657, 379 p.
823. Hubbard, L. L., and Bartells, J. H., 1976a, Teton Dam flood of June 1976, Firth quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-577, scale 1:24,000.
824. ---1976b, Teton Dam flood of June 1976, Moreland quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-580, scale 1:24,000.
825. ---1976c, Teton Dam flood of June 1976, Pingree quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-581, scale 1:24,000.
826. ---1976d, Teton Dam flood of June 1976, Rose quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-578, scale 1:24,000.
827. Humphrey, T. G., and Tingey, F. H., 1978, The subsurface migration of radionuclides at the Radioactive Waste Management Complex, 1976-1977: U.S. Department of Energy, Idaho Operations Office Publication, TREE-1171, 98 p.
828. Huttner, G. W., and Tamm, A. H., 1977, Geothermal potential of three areas in southeastern Idaho and western Wyoming: American Association of Petroleum Geologists Bulletin, v. 61, no. 5, 798 p.
829. Independent Panel to Review Cause of Teton Dam Failure, 1976, Report to U.S. Department of the Interior and State of Idaho on Failure of Teton Dam: Idaho Falls, Idaho, 555 p.
830. Jacobson, N. D., 1982, Ground-water conditions in the eastern part of Michaud Flats, Fort Hall Indian Reservation, Idaho: U.S. Geological Survey Open-File Report 82-570, 38 p.
831. Jensen, M. C., and Criddle, W. D., 1952, Estimated irrigation requirements for Idaho: Moscow, University of Idaho Agricultural Experiment Station Bulletin 291, 23 p.
832. Johnson, D. W., and Kent, J. C., 1978, The source of American Falls Reservoir pollutants: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.

833. Jones, B. E., and Helland, R. O., 1948, Index to river surveys made by the U.S. Geological Survey and other agencies, revised to July 1, 1947: U.S. Geological Survey Water-Supply Paper 995, 145 p.
834. Jones, P. H., 1961a, Hydrology of radioactive waste disposal at the Idaho Chemical Processing Plant National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report [61-80] (ID0-22041), 8 p.
835. ---1961b, Hydrology of waste disposal, National Reactor Testing Station, Idaho, an interim report: U.S. Geological Survey Open-File Report ID0-22042, 152 p.
836. ---1963, The velocity of ground-water flow in basalt aquifers of the Snake River Plain, Idaho: International Association Scientific Hydrology Publication 64, p. 225-234.
837. Jones, P. H., and Shuter, Eugene, 1962, Hydrology of radioactive-waste disposal in the MTR-ETR area, National Reactor Testing Station, Idaho, in Geological Survey Research 1962: U.S. Geological Survey Professional Paper 450-C, p. C113-C116.
838. Jones, R. P., 1952, Evaluation of streamflow records in Big Wood River basin, Idaho: U.S. Geological Survey Circular 192, 59 p.
839. Kevan, A. L., 1979, The comparative feasibility of privately funded high-lift irrigation development in southwest Idaho and the lower Columbia River basin: Moscow, University of Idaho, M.S. thesis.
840. Kilburn, Chabot, 1964 [1965], Ground water in the upper part of the Teton Valley, Teton Counties, Idaho and Wyoming: U.S. Geological Survey Water-Supply Paper 1789, 60 p.
841. Kim, S., 1981, Analyzing and predicting irrigation diversions in southeastern Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
842. Kimball, N. D., 1958, Irrigation development in Idaho under the Desert Land Act: Moscow, University of Idaho, College of Agriculture Bulletin 292.

843. Kinnison, P. T., 1954, A survey of the ground water of the State of Idaho: Moscow, University of Idaho, M.S. thesis, 63 p.
844. ---1955, A survey of ground water of the State of Idaho: Idaho Bureau of Mines and Geology Pamphlet 103, 40 p.
845. Kjelstrom, L. C., and Moffatt, R. L., 1981, Method of estimating flood-frequency parameters for streams in Idaho: U.S. Geological Survey Open-File Report 81-909, 101 p.
846. Kohler, M. A., Nordenson, T. M., and Baker, D. R., 1959, Evaporation maps for the United States: U.S. Weather Bureau Technical Paper 37.
847. Laird, L. B., 1964, Chemical quality of the surface waters of the Snake River basin: U.S. Geological Survey Professional Paper 417-D, 47 p.
848. Lamke, R. D., 1969, Stage discharge relations on the Big Lost River within National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22050, 29 p.
849. Langbein, W. B., 1959, Water yield and reservoir storage in the United States: U.S. Geological Survey Circular 409, 5 p.
850. Leenheer, J. A., and Bagby, J. C., 1982, Organic solutes in ground water at the Idaho National Engineering Laboratory: U.S. Geological Survey Water-Resources Investigations 82-15, 44 p.
851. Lewis, B. D., and Goldstein, F. J., 1982, Evaluation of a predictive ground-water solute-transport model at the Idaho National Engineering Laboratory, Idaho: U.S. Geological Survey Water-Resources Investigations 82-25, 78 p.
852. Lewis, M. G., 1924, History of irrigation development in Idaho: Moscow, University of Idaho, M.S. thesis, 161 p.
853. Lewis, R. E., and Young, H. W., 1980, Thermal springs in the Payette River basin, west-central Idaho: U.S. Geological Survey Water-Resources Investigations 80-1020, 23 p.
854. ---1982a, Geothermal resources in the Banbury Hot Springs area, Twin Falls County, Idaho: U.S. Geological Survey Water-Supply Paper 2186, 27 p.

855. ---1982b, Thermal springs in the Boise River basin, south-central Idaho: U.S. Geological Survey Water-Resources Investigations 82-4006, 22 p.
856. Lindeborg, K. H., 1969, Economic values of irrigation water in four areas along the Snake River in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Idaho Agricultural Experiment Station, 27 p.
857. ---1970, High-lift pumping and the impact upon economic development of desert land in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Technical Completion Report A-002-IDA.
858. Lindgren, John, 1982, Application of a ground water model to the Boise Valley aquifer in Idaho: Moscow, University of Idaho, M.S. thesis.
859. Lindholm, G. F., 1981, Plan of study for the regional aquifer-system analysis of the Snake River Plain, Idaho and eastern Oregon: U.S. Geological Survey Open-File Report 81-689, 23 p.
860. Lohman, S. W., 1979, Ground-water hydraulics: U.S. Geological Survey Professional Paper 708, 70 p.
861. Lohr, E. W., and Love, S. K., 1954, The industrial utility of public water supplies in the United States, 1952, pt. 2, States west of the Mississippi River: U.S. Geological Water-Supply Paper 1300, 462 p.
862. Love, S. K., and Benedict, P. C., 1948, Discharge and sediment loads in the Boise River drainage basin, Idaho, 1939-1940: U.S. Geological Survey Water-Supply Paper 1048, 150 p.
863. Low, W. H., 1980, Water-quality conditions in the Milner reach, Snake River, south-central Idaho, October 18-21, 1977: U.S. Geological Survey Open-File Report 80-510-W, 35 p.
864. ---1981, Radionuclide concentrations in streams in the upper Blackfoot River basin, southeastern Idaho: U.S. Geological Survey Water-Resources Investigations 81-142, 17 p.
865. Luttrell, S. P., 1982, Ground-water flow characteristics in the Mud Lake area, southeastern Idaho: Moscow, University of Idaho, M.S. thesis.

866. Mabey, D. R., 1980, The geothermal resources of southern Idaho, in Geothermal--energy for the eighties: Geothermal Resources Council Annual Meeting, Salt Lake City, Utah, 1980, Transactions, v. 4, p. 77-80.
867. Magnuson, M. D., 1967, Meteorological drought in Idaho as expressed by the Palmer Index: Salt Lake City, Utah, U.S. Department of Commerce, Environmental Science Services Administration, Weather Bureau, Western Region.
868. Malder, H. E., 1963, The catastrophic late Pleistocene Bonneville Flood in the Snake River Plain, Idaho: U.S. Geological Survey Professional Paper 596, 52 p.
869. Martin, J. C., 1952, The C.J. Strike Dam: Idaho Engineer, v. 29, no. 4.
870. Martin, R. O. R., and Hanson, R. L., 1966, Reservoirs in the United States: U.S. Geological Survey Water-Supply Paper 1838, 115 p.
871. Matthai, H. F., and Ray, H. A., 1976, Teton Dam flood of June 1976, Woodville quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-576, scale 1:24,000.
872. McConnell, J. B., 1967, Chemical-quality investigations of surface water in Idaho, 1965-66: U.S. Geological Survey Open-File Report, 25 p.
873. McDonald, C. C., and Riggs, H. C., 1948 [1949], Annual runoff in Columbia River basin in percent of the mean, 1928-45: U.S. Geological Survey Circular 36, 2 p.
874. McGuinness, C. L., 1963, The role of ground water in the national water situation; with state summaries based on reports by district offices of the Ground Water Branch: U.S. Geological Survey Water-Supply Paper 1800, 1121 p.
875. McGuinness, C. L., compiler, 1964, Generalized map showing annual runoff and productive aquifers in the conterminous United States: U.S. Geological Survey Hydrologic Investigations Atlas HA-194, scale 1:5,000,000.
876. Meinzer, O. E., 1923, The occurrence of ground water in the United States, with a discussion of principles: U.S. Geological Survey Water-Supply Paper 489, 321 p.

877. ---1927, Large springs in the United States:U.S. Geological Survey Water-Supply Paper 557, 94 p.
878. Meisler, Harold, 1958, Preliminary report on ground water in the Bonanza Lake area, Power and Blaine Counties, Idaho: U.S. Geological Survey Open-File Report [58-67], 32 p.
879. Meyers, J. S., 1962, Evaporation from 17 Western States: U.S. Geological Survey Professional Paper 272-D, p. 71-100.
880. Millham, C. B., and Russel, R. A., 1971, On impact of large diversion of Snake River waters: Pullman, Washington State University, Department of Computer Science.
881. Milligan, J. H., Lyman, R. A., Falter, C. M., Krumps, E. E., and Carlson, J. E., 1983, Classification of Idaho's freshwater lakes: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, 67 p.
882. Milliner, J. E., 1974, An economic analysis of changes in irrigation practices in Jefferson County, Idaho: Moscow, University of Idaho, M.S. thesis, 100 p.
883. Mitchell, J. C., 1976a, Geothermal investigations in Idaho, pt. 6, Geochemistry and geologic setting of the thermal and mineral waters of the Blackfoot Reservoir area, Caribou County, Idaho: Idaho Department of Water Resources Water Information Bulletin 30, 47 p.
884. ---1976b, Geothermal investigations in Idaho, pt. 7, Geochemistry and geologic setting of the thermal waters of the Camas Prairie area, Blaine and Camas Counties, Idaho: Idaho Department of Water Resources Water Information Bulletin 30, 44 p.
885. Mitchell, J. C., Johnson, L. L., and Anderson, J. E., 1980, Geothermal investigations in Idaho, pt. 9, Potential for direct heat application of geothermal resources: Idaho Department of Water Resources Water Information Bulletin 30, 396 p.
886. Mitchell, J. C., ed., 1981, Geothermal investigations in Idaho, pt. 11, Geological, hydrological, geochemical, and geophysical investigations of the Nampa-Caldwell and adjacent areas, southwestern Idaho: Idaho Department of Water Resources Water Information Bulletin 30, 143 p.

887. Mohammad, O. M. J., 1970, Hydrology of the Boise Ridge area: Moscow, University of Idaho, College of Mines and Geology, M.S. thesis, 75 p.
888. ---1977, Evaluation of the present and potential impacts of open pit mining on groundwater resource system in southeastern Idaho: Moscow, University of Idaho, Ph.D. dissertation, 165 p.
889. Moller, C. L., 1963, Cost economies associated with an increase in size of the potato enterprise on pump irrigated farms in south-central Idaho: Moscow, University of Idaho, M.S. thesis, 142 p.
890. Montgomery, J. T., 1931, An economic study of the history, present situation, and outlook of agriculture on the Minidoka Irrigation Project: Moscow, University of Idaho, M.S. thesis, 98 p.
891. Montgomery, R. C., 1951, Canyon County--the economic geography of a southwestern Idaho irrigated area: Lincoln, University of Nebraska, M.S. thesis, 120 p.
892. Moore, D. O., and Eakin, T. E., 1968, Water-resources appraisal of the Snake River basin in Nevada: Nevada Division of Water Resources Reconnaissance Report 48, 103 p.
893. Moreland, J. A., 1975, Digital-model analysis of the effects of water-use alternatives on spring discharges, Gooding and Jerome Counties, Idaho: U.S. Geological Survey Open-File Report 75-615, 100 p.
894. ---1976, Digital-model analysis of the effects of water-use alternatives on spring discharge, Gooding and Jerome Counties, Idaho: Idaho Department of Water Resources Water Information Bulletin 42, 46 p.
895. ---1977, Ground water/surface water relations in the Silver Creek area, Blaine County, Idaho: U.S. Geological Survey Open-File Report 77-456, 66 p.
896. Moreland, J. A., Seitz, H. R., and La Sala, A. M. Jr., 1976, Effects of drain wells on the ground-water quality of the western Snake Plain aquifer, Idaho: U.S. Geological Survey Open-File Report 76-673, 34 p.

897. Morris, D. A., 1967, Use of chemical radioactive tracers at the National Reactor Testing Station, Idaho, in Isotope techniques in the hydrologic cycle: American Geophysical Union, Geophysical Monograph 11, p. 130-142.
898. Morris, D. A., Barraclough, J. T., Chase, G. H., Teasdale, W. E., and Jensen, G. G., 1965, Hydrology of subsurface waste disposal, National Reactor Testing Station, Idaho, annual progress report 1964: U.S. Geological Survey Open-File Report IDO-22047, 147 p.
899. Morris, D. A., Hogenson, G. M., Shuter, Eugene, and Teasdale, W. E., 1963, Hydrology of waste disposal, National Reactor Testing Station, Idaho, annual progress report, 1962: U.S. Geological Survey Open-File Report IDO-22044, 99 p.
900. Morris, D. A., Teasdale, W. E., and others, 1964, Hydrology of subsurface waste disposal, National Reactor Testing Station, Idaho, annual progress report, 1963: U.S. Geological Survey Open-File Report IDO-22046, 97 p.
901. Mower, R. W., 1953, Records of wells and ground-water levels in eastern Jerome County, Idaho: U.S. Geological Survey Open-File Report, 91 p.
902. ---1954, Records of wells, ground-water levels, and ground-water withdrawals in the lower Goose Creek basin, Cassia County, Idaho: U.S. Geological Survey Open-File Report [54-217], 92 p.
903. Mundorff, M. J., 1958, Status of ground-water storage in the Columbia River basin: U.S. Geological Survey Open-File Report.
904. ---1960, Results of test drilling and aquifer tests in the Snake River basin, Idaho, in 1958: U.S. Geological Survey Open-File Report [60-103], 93 p.
905. ---1962a, Feasibility of artificial recharge in the Snake River basin, Idaho: U.S. Geological Survey Open-File Report [62-92], 98 p.
906. ---1962b, Ground-water in Birch Creek valley, Idaho: U.S. Geological Survey Open-File Report [62-93], 10 p.

907. ---1967, Ground water in the vicinity of American Falls Reservoir, Idaho: U.S. Geological Survey Water-Supply Paper 1846, 55 p.
908. Mundorff, M. J., Broom, H. C., and Kilburn, Chabot, 1963, Reconnaissance of the hydrology of the Little Lost River basin, Idaho: U.S. Geological Survey Water-Supply Paper 1539-Q, 50 p.
909. Mundorff, M. J., Crosthwaite, E. G., and Kilburn, Chabot, 1964, Ground water for irrigation in the Snake River basin in Idaho: U.S. Geological Survey Water-Supply Paper 1654, 224 p.
910. Mundorff, M. J., and Sisco, H. G., 1963, Ground water in the Raft River basin, Idaho, with special reference to irrigation use, 1956-1960: U.S. Geological Survey Water-Supply Paper 1619-CC, p. CC1-CC23.
911. Murray, C. R., and Reeves, E. B., 1972, Estimated use of water in the United States in 1970: U.S. Geological Survey Circular 676, 37 p.
912. ---1977, Estimated use of water in the United States in 1975: U.S. Geological Survey Circular 765, 39 p.
913. Nace, R. L., 1949a, Memorandum report on pumping test of Arco Reactor Testing Station production test well no. 1, with recommendations for well finishing: U.S. Geological Survey Open-File Report IDO-22005, 6 p.
914. ---1949b, Preliminary report on ground water in Minidoka County, Idaho, with special reference to the North-Side Pumping Division of the Minidoka Project: U.S. Geological Survey Open-File Report, 71 p.
915. ---1952a, Ground-water development in southern Idaho: U.S. Geological Survey Open-File Report, 14 p.
916. ---1952b, Records of wells and springs in western Oneida County, Idaho: U.S. Geological Survey Open-File Report [52-106], 51 p.
917. ---1952c, Water supply and waste disposal at proposed ANPR site, National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22021, 15 p.

918. ---1953a, Altitude and configuration of the water table beneath the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22024, 5 p.
919. ---1953b, Opportunities for improving or increasing water yield by more efficient use of water in agriculture: U.S. Geological Survey Open-File Report, 10 p.
920. ---1953c, Preliminary statement on the ground-water resources of the Raft River basin, Cassia County, Idaho: U.S. Geological Survey Open-File Report, 13 p.
921. ---1955, Water supply and waste disposal for proposed engineering test reactor, large ship reactor, and organic-moderator reactor experiment: U.S. Geological Survey Open-File Report ID-22031, 18 p.
922. ---1960, Water management, agriculture, and ground-water supplies: U.S. Geological Survey Circular 415, 12 p.
923. ---1967, Are we running out of water?: U.S. Geological Survey Circular 536, 7 p.
924. ---1969, Feasibility of groundwater features of the alternate plan for the Mountain Home project, Idaho: New York, Columbia University, Ph.D. dissertation.
925. Nace, R. L., and Barraclough, J. T., 1952, Ground-water recharge from the Big Lost River below Arco, Idaho: U.S. Geological Survey Open-File Report IDO-22016, 31 p.
926. Nace, R. L., McQueen, I. S., and Van't Hul, Arthur, 1958, Records of springs in the Snake River valley, Jerome and Gooding Counties, Idaho, 1899-1947: U.S. Geological Survey Water-Supply Paper 1463, 62 p.
927. Nace, R. L., and Stewart, J. W., 1951, Memorandum report on results of pumping test on CPP production well no. 1, Atomic Energy Commission Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22010, 6 p.
928. Nace, R. L., Stewart, J. W., Walton, W. C., and others, 1959, Geography, geology, and water resources of the National Reactor Testing Station, Idaho, pt. 3, Hydrology and Water Resources: U.S. Geological Survey Open-File Report IDO-22034, 253 p.

929. Nace, R. L., West, S. W., and Mower, R. W., 1957, Feasibility of ground-water features of the alternate plan for the Mountain Home project, Idaho: U.S. Geological Survey Water-Supply Paper 1376, 121 p.
930. Nace, R. L., and others, 1961, Water resources of the Raft River basin, Idaho-Utah: U.S. Geological Survey Water-Supply Paper 1587, 139 p.
931. Nathenson, Manuel, Urban, T. C., Diment, W. H., and Nehring, N. L., 1980, Temperatures, heat flow, and water chemistry from drill holes in the Raft River geothermal system, Cassia County, Idaho: U.S. Geological Survey Open-File Report 80-2001, 30 p.
932. Netz, K. E., 1980, Evaluation of canal seepage in the Snake River fan, Bonneville and Bingham Counties, Idaho: Moscow, University of Idaho, M.S. thesis.
933. Newcomb, R. C., 1972, Quality of the ground water in basalt of the Columbia River Group, Washington, Oregon, and Idaho: U.S. Geological Survey Water-Supply Paper 1999-N, 71 p.
934. Newcomb, R. C., and Watkins, F. A., 1948, Status of ground-water storage as shown by index wells in the Columbia River basin: U.S. Geological Survey Open-File Report.
935. ---1949, Status of ground-water storage as shown by index wells in the Columbia River basin, 1949: U.S. Geological Survey Open-File Report.
936. Newell, F. H., 1891, Hydrography of the arid regions: Washington, D.C., Twelfth annual report of the United States Geological Survey to the Secretary of the Interior, 1890-91; J. W. Powell, Director, pt. II, p. 213-361.
937. ---1892, Water supply for irrigation, in Report of the Secretary of the Interior; being part of the message and documents communicated to the two houses of Congress at the beginning of the second session of the fifty-second Congress: Washington, D.C., v. IV, pt. 3, p. 1-108.
938. ---1894, Results of stream measurements: Washington, D.C., Fourteenth annual report of the United States Geological Survey to the Secretary of the Interior, 1892-93; J. W. Powell, Director, pt. II, p. 89-155.

939. ---1896, The public lands and their water supply: Washington, D.C., Sixteenth annual report of the United States Geological Survey to the Secretary of the Interior, 1894-95; Charles D. Walcott, Director, pt. II, p. 457-533.
940. ---1899, Report of progress of stream measurements for the calendar year 1897: Washington, D.C., Nineteenth annual report of the United States Geological Survey to the Secretary of the Interior, 1897-98; Charles D. Walcott, Director, pt. IV, p. 1-533.
941. ---1900, Report of progress of stream measurements for the calendar year 1898: Washington, D.C., Twentieth annual report of the United States Geological Survey to the Secretary of the Interior, 1898-99; Charles D. Walcott, Director, pt. IV, p. 1-562.
942. ---1901, Report of progress of stream measurements for the calendar year 1899: Washington, D.C., Twenty-first annual report of the United States Geological Survey to the Secretary of the Interior, 1899-1900; Charles D. Walcott, Director, pt. IV, p. 9-483.
943. ---1902, Report of progress of stream measurements for the calendar year 1900: Washington, D.C., Twenty-second annual report of the United States Geological Survey to the Secretary of the Interior, 1900-01; Charles D. Walcott, Director, pt. IV, p. 9-506.
944. Newton, G. D., 1978, Application of simulation model to the Snake Plain aquifer: Moscow, University of Idaho, M.S. thesis, 32 p.
945. Nichols, C. R., Brockway, C. E., and Warnick, C. C., 1972, Geothermal water and power resource exploration and development for Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
946. Nichols, W. D., 1979, Simulation analysis of the unconfined aquifer, Raft River geothermal area, Idaho-Utah: U.S. Geological Survey Water-Supply Paper 2060, 46 p.
947. Norvitch, R. F., and Larson, A.L., 1970, A reconnaissance of the water resources in the Portneuf River basin, Idaho: Idaho Department of Water Resources Water Information Bulletin 16, 53 p.

948. Norvitch, R. F., Thomas, C. A., and Madison, R. J., 1969, Artificial recharge to the Snake Plain aquifer, an evaluation of potential and effect: Idaho Department Water Resources Water Information Bulletin 12, 59 p.
949. Olmstead, F. H., 1962, Chemical and physical character of ground water in the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22043, 142 p.
950. Packer, M. R., 1977, The application of hydrologic modeling to water resource planning in Idaho: Eos (American Geophysical Union, Transactions), v. 58, no. 3, 162 p.
951. Parlman, D. J., 1982a, Ground-water quality in east-central Idaho valleys: U.S. Geological Survey Open-File Report 81-1011, 62 p.
952. ---1982b, Reconnaissance of ground-water quality, eastern Snake River basin, Idaho: U.S. Geological Survey Water-Resources Investigations 82-4004, 107 p.
953. ---1983a, Compilation of ground-water quality data for selected wells in Elmore, Owyhee, Ada, and Canyon Counties, Idaho, 1945 through 1982: U.S. Geological Survey Open-File Report 83-39, 156 p.
954. ---1983b, Ground-water quality in the western Snake River basin, Swan Falls to Glenns Ferry, Idaho: U.S. Geological Survey Water-Resources Investigations 83-4062, 85 p.
955. Parsons, D. L., 1973, The Snake River basin--its characteristics and problems: Caldwell, College of Idaho, Snake River Regional Study Center Occasional Paper 1, 12 p.
956. Peale, A. C., 1886, Lists and analyses of the mineral springs of the United States: U.S. Geological Survey Bulletin 32, 235 p.
957. ---1894, Natural mineral waters of the United States: Washington, D.C., Fourteenth Annual Report of the United States Geological Survey to the Secretary of the Interior, 1892-93; J. W. Powell, Director, 1893, pt. II, p. 49-88.
958. Piper, A. M., [1924], Ground water for irrigation on Camas Prairie, Camas and Elmore Counties, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 15, 46 p.

959. ---1969, Disposal of liquid wastes by injection underground--neither myth nor millennium: U.S. Geological Survey Circular 631, 15 p.
960. Piper, A. M., and Kirkham, V. R. D., [1926], Ground water for municipal supply at Idaho Falls, Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 16, 13 p.
961. Pluhowski, E. J., 1968, Hydrology of the upper Malad River basin, southeastern Idaho: U.S. Geological Survey Open-File Report.
962. ---1970, Hydrology of the upper Malad River basin, southeastern Idaho: U.S. Geological Survey Water-Supply Paper 1888, 89 p.
963. Polzer, D. P., and Barraclough, J. T., 1976, Special analyses for plutonium and americium in water from the Snake River Plain aquifer: U.S. Geological Survey Open-File Report IDO-12081, 9 p.
964. Quillian, E. W., and Harenberg, W. A., 1982, An evaluation of Idaho stream-gaging networks: U.S. Geological Survey Open-File Report 82-865, 61 p.
965. Qurada, Martin, 1952, More water for Boise Valley: Idaho Engineer, v. 29, no. 2.
966. Rainwater, F. H., 1962, Stream composition of the conterminous United States: U.S. Geological Survey Hydrologic Atlas HA-61, 3 sheets.
967. Ralston, D. R., 1968, Ground-water development in Idaho, 1967: Idaho Department of Reclamation Water Information Bulletin 3, 22 p.
968. ---1969, Ground-water development in Idaho, 1968: Idaho Department of Water Resources Water Information Bulletin 10, 24 p.
969. ---1972, Administration of groundwater as a nonrenewable resource: Idaho Engineering, Geologic and Soil Symposium: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, 10 p.

970. ---1974, Impact of legal constraints on ground water resource development in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Ph.D. dissertation, 138 p.
971. Ralston, D. R., Brooks, T. D., Cannon, M. R., Corbet, T. F. Jr., Singh, H., Winter, G. V., and Wair, C. M., 1979 [1980], Interactions of mining and water resource systems in the southeastern Idaho phosphate field: Moscow, University of Idaho, Idaho Water Resources Research Institute, Research Technical Completion Report Project C-7651, 214 p.
972. Ralston, D. R., and Chapman, S. L., 1968, Water level changes in the Mud Lake area, Idaho, 1958-68: Idaho Department of Reclamation Water Information Bulletin 7, 79 p.
973. ---1969a, Ground-water resource of the Mountain Home area, Elmore County, Idaho: Idaho Department of Reclamation Water Information Bulletin 4, 63 p.
974. ---1969b, Ground-water resource of northern Owyhee County, Idaho: Idaho Department of Reclamation Water Information Bulletin 14, 85 p.
975. ---1970, Ground-water resource of southern Ada and western Elmore Counties, Idaho: Idaho Department of Water Resources Water Information Bulletin 15, 52 p.
976. Ralston, D. R., DuPont, K., and Hampton, K., 1982, Preliminary assessment of ground water management alternatives for Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, 243 p.
977. Ralston, D. R., Grant, D. L., Schatz, H. L., and Goldman, Dennis, 1974a, Analysis of the impact of legal constraints on ground-water resource development in Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 158, 111 p.
978. ---1974b, Analysis of the impact of legal constraints on groundwater resource development in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
979. Ralston, D. R., and Kozak, E. J., 1970, Ground-water development in Idaho, 1969: Idaho Department of Water Resources Water Information Bulletin 17, 52 p.

980. Ralston, D. R., and Williams, R. E., 1979, Groundwater flow systems in the western phosphate field in Idaho, in Contemporary hydrogeology (George Burke Maxey memorial volume): Journal of Hydrology, v. 43, nos. 1-4, p. 239-264.
981. Ralston, D. R., and Young, N. C., 1971, Water resources of the Twin Falls tract, Twin Falls County, Idaho: Idaho Department of Water Resources Water Information Bulletin 22.
982. Ray, H. A., Bennett, C. M., and Records, A. W., 1976, Teton Dam flood of June 1976, Deer Parks quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-571, scale 1:24,000.
983. Ray, H. A., and Bigelow, B. B., 1976a, Teton Dam flood of June 1976, Lewisville quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-573, scale 1:24,000.
984. ---1976b, Teton Dam flood of June 1976, Rigby quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-572, scale 1:24,000.
985. Ray, H. A., and Kjelstrom, L. C., 1978, The flood in southeastern Idaho from the Teton Dam failure of June 5, 1975, with sections on Ground-water fluctuations by E. C. Crosthwaite and Quality of surface and ground water by W. H. Low: U.S. Geological Survey Open-File Report 77-765, 48 p.
986. Ray, H. A., and Matthai, H. F., 1976a, Teton Dam flood of June 1976, Idaho Falls North quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-574, scale 1:24,000.
987. ---1976b, Teton Dam flood of June 1976, Idaho Falls South quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-575, scale 1:24,000.
988. Ray, H. A., Matthai, H. F., and Thomas, C. A., 1976, Teton Dam flood of June 1976, Newdale quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-565, scale 1:24,000.
989. Reid, R. L., 1973, The analysis of irrigated agricultural development, Mountain Home Division, Southwest Idaho Water Development Project: Moscow, University of Idaho, M.S. thesis, 37 p.

990. Riggs, H. C., and Harenberg, W. A., 1976, Flood characteristics of streams in Owyhee County, Idaho: U.S. Geological Survey Water-Resources Investigations 76-88.
991. Rightmire, C. T., Young, H. W., and Whitehead, R. L., 1976, Geothermal investigations in Idaho, pt. 4, Isotopic and geochemical analysis of water from the Bruneau-Grand View and Weiser areas, southwest Idaho: Idaho Department of Water Resources Water Information Bulletin 30, 28 p.
992. Robbins, C. W., 1977, Hydraulic conductivity and moisture retention characteristics of southern Idaho's silt loam soils: Moscow, University of Idaho, Research Bulletin 99, 13 p.
993. Robertson, J. B., 1974, Digital modeling of radioactive and chemical waste transport in the Snake River Plain aquifer at the National Reactor Testing Station: U.S. Geological Survey Open-File Report 74-1089 (ID0-22057), 68 p.
994. Robertson, J. B., Schoen, Robert, and Barraclough, J. T., 1974, The influence of liquid waste disposal on the geochemistry of water at the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report ID0-22053, 231 p.
995. Rosa, M. J., 1968, Water-yield maps for Idaho: Kimberly, Idaho, U.S. Department of Agriculture, Snake River Conservation Research Center Report ARS 41-141, 15 p.
996. Ross, S. H., 1971, Geothermal potential of Idaho: Idaho Bureau of Mines and Geology Pamphlet 150, 72 p.
997. Russell, I. C., 1903, Preliminary report on artesian basins in southwestern Idaho and southeastern Oregon: U.S. Geological Survey Water-Supply Paper 78, 53 p.
998. Schatz, H. L., 1974, An economic analysis of the effect of a declining ground water level in the Raft River basin, Cassia County, Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 171 p.
999. Schmalz, B. L., 1959, Interim report of liquid waste disposal in the vicinity of the Idaho Chemical Processing Plant: U.S. Geological Survey Open-File Report ID0-12011.

1000. Schoen, Robert, 1972, Hydrochemical study of the National Reactor Testing Station, Idaho, in Hydrogeology, sec. II: International Geology Congress, 24th, Montreal, Canada, p. 306-314.
1001. Schultz, E. R., 1980, An investigation of the feasibility of several small-scale hydroelectric power sites on the Snake River and its tributaries near Twin Falls, Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 289 p.
1002. Seitz, H. R., and Norvitch, R. F., 1979, Ground-water quality in Bannock, Bear Lake, Caribou, and part of Power Counties, southeastern Idaho: U.S. Geological Survey Water-Resources Investigations 79-14, 51 p.
1003. Shadid, O., 1971, Hydrogeologic aspects of potential wastewater reuse areas near Idaho Falls-Blackfoot, Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, M.S. thesis, 135 p.
1004. Showen, C. R., and Stuthmann, N. G., 1973, Index to U.S. Geological Survey computer files containing daily values for water parameters to September 30, 1971--Western Region: U.S. Geological Survey Water-Resources Investigations 28-73, 391 p.
1005. Showen, C. R., and Williams, O. O., 1973 [1974], Index to water-quality data available from the U.S. Geological Survey in machine-readable form to December 31, 1972--Western Region: U.S. Geological Survey Water-Resources Investigations 24-73, 520 p.
1006. Shuter, Eugene, and Brandvold, G. E., 1952, Water levels in wells in Bingham, Bonneville, and Jefferson Counties, Idaho: U.S. Geological Survey Open-File Report IDO-22017, 99 p.
1007. Shuter, Eugene, and Morris, D. A., 1964, Regional hydrology of the NRTS, Idaho, in Second Annual Engineering Geology and Soils Engineering Symposium, Pocatello, Idaho, March 23-25, 1964, Proceedings: Pocatello, Idaho State University, p. 63.
1008. Sibitzke, H. E., and Da Costa, J. A., 1962, The ground-water flow system in the Snake River Plain, Idaho--an idealized analysis: U.S. Geological Survey Water-Supply Paper 1536-D, 21 p.

1009. Singh, H., 1979, Construction and application of a water quality model for the upper Blackfoot River basin in the Caribou National Forest, Idaho: Moscow, University of Idaho, M.S. thesis, 251 p.
1010. Sisco, G. L., 1975, Miscellaneous discharge measurement in Idaho, 1964, 1974: Idaho Department of Water Resources Basic Data Release 1, 21 p.
1011. Sisco, H. G., 1975, Ground-water levels and well records for current observation wells in Idaho, 1974: Idaho Department of Water Resources Basic-Data Release 2, 357 p.
1012. Sisco, H. G., and Whitehead, R. L., 1970, Ground-water levels in Idaho, 1970: Idaho Department of Water Resources Water Information Bulletin 18, 73 p.
1013. Smith, R. O., 1959, Ground-water resources of the middle Big Wood-Silver Creek area, Blaine County, Idaho: U.S. Geological Survey Water-Supply Paper 1478, 64 p.
1014. Spencer, S. G., and Russell, B. F., 1979a, Castle Creek known geothermal resource area: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1015. ---1979b, Geothermal development in southwest Idaho--the socioeconomic data base: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1016. ---1979c, Mountain Home known geothermal resource area--an environmental analysis: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1017. ---1979d, Vulcan Hot Springs known geothermal resource area-- an environmental analysis: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1018. Spencer, S. G., Russell, B. F., and Sullivan, J. F., 1979, Potential use of geothermal resources in the Snake River basin, an environmental overview, v. I and II: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1019. Stanley, W. D., Boehl, J. E., Bostick, F. X. Jr., and Smith, H. W., 1977, Geothermal significance of magnetotelluric soundings in the eastern Snake River Plain-Yellowstone region: Journal of Geophysical Research, v. 82, no. 17, p. 2501-2514.

1020. Stearns, H. T., and Bryan, L. L., 1926, Preliminary report on the geology and water resources of the Mud Lake basin, Idaho: U.S. Geological Survey Water-Supply Paper 560-D, p. 87-134.
1021. Steele, T. D., Gilroy, E. J., and Hawkinson, R. O., 1974, Techniques for the assessment of areal and temporal variations in streamflow quality: U.S. Geological Survey Open-File Report 74-217, 89 p.
1022. Stevens, P. R., 1962, Effects of irrigation on ground water in southern Canyon County: U.S. Geological Survey Water-Supply Paper 1585, 74 p.
1023. Stewart, J. W., 1950a, Memorandum report on results of pumping test no. 2 on MTR production well AC1, Arco Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22007, 6 p.
1024. ---1950b, Memorandum report on results of pumping test on STR production well 1, Atomic Energy Commission Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22008, 5 p.
1025. ---1950c, Results of pumping test on MTR production well 1, Arco Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22006, 8 p.
1026. ---1951a, Memorandum report on results of discharge-drawdown test on Navy well no. 2, Atomic Energy Commission Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22009, 5 p.
1027. ---1951b, Results of tests on wells at sites 3 and 7, Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22011, 28 p.
1028. Stewart, J. W., Nace, R. L., and Deutsch, Morris, 1951, Preliminary report on ground water in the Michaud Flats Project, Power County, Idaho: U.S. Geological Survey Open-File Report, 44 p.
1029. Sutter, R. J., and Corey, G. L., 1970, Consumptive irrigation requirements for crops in Idaho: Moscow, University of Idaho Experiment Station Bulletin.

1030. Thomas, C. A., 1968, Record of north-side springs and other inflow to the Snake River between Milner and King Hill, Idaho, 1943-67: Idaho Department of Water Resources Water Information Bulletin 6, 65 p.
1031. ---1969, Inflow to the Snake River between Milner and King Hill, Idaho: Idaho Department of Water Resources Water Information Bulletin 9, 39 p.
1032. Thomas, C. A., Broom, H. C., and Cummins, J. E., 1963 [1964], Magnitude and frequency of floods in the United States, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1688, 250 p.
1033. Thomas, C. A., and Dion, N. P., 1974, Characteristics of streamflow and ground-water conditions on the Boise River valley, Idaho: U.S. Geological Survey Water-Resources Investigations 38-74, 56 p.
1034. Thomas, C. A., Harenberg, W. A., and Anderson, J. M., 1973, Magnitude and frequency of floods in small drainage basins in Idaho: U.S. Geological Survey Water-Resources Investigations 7-73 [NTIS PB-222-409], 53 p.
1035. Thomas, C. A., and Lamke, R. D., 1962, Floods of February 1962 in southern Idaho and northeastern Nevada: U.S. Geological Survey Circular 467, 30 p.
1036. Thomas, C. A., and Ray, H. A., 1976, Teton Dam flood of June 1976, Parker quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-567, scale 1:24,000.
1037. Thomas, C. A., Ray, H. A., and Harenberg, W. A., 1976, Teton Dam flood of June 1976, Menan Buttes quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-570, scale 1:24,000.
1038. Thomas, C. A., Ray, H. A., and Matthai, H. F., 1976, Teton Dam flood of June 1976, St. Anthony quadrangle, Idaho: U.S. Geological Survey Hydrologic Investigations Atlas HA-566, scale 1:24,000.
1039. Thomas, H. R., 1974, Economic productivity of water and related inputs in the agriculture of southern Idaho: Corvallis, Oregon State University, Ph.D. dissertation, 173 p.

1040. Thomas, N. O., and Harbeck, G. E. Jr., 1956, Reservoirs of the United States: U.S. Geological Survey Water-Supply Paper 1360-A, p. 1-99.
1041. Travis, W. I., 1954, Progress report on operations of stream-gaging station, Big Lost River near Arco, Idaho, water year 1953: U.S. Geological Survey Open-File Report IDO-22029, 4 p.
1042. ---1955, Progress report on operations of stream-gaging station, Big Lost River near Arco, Idaho, water year 1954: U.S. Geological Survey Open-File Report IDO-22030, 4 p.
1043. U.S. Army Corps of Engineers, 1979, Water resources development by the U.S. Army Corps of Engineers in Idaho: North Pacific Division, 80 p.
1044. U.S. Bureau of Reclamation, 1955, Guffey unit, Mountain Home Division, Snake River Project, Idaho-Oregon, reconnaissance report: Boise, Idaho, Region 1, 55 p.
1045. U.S. Department of Agriculture, 1976, Water-supply outlook for western United States-including Columbia River drainage in Canada as of Jan. 1, Feb. 1, Mar. 1, April 1, May 1, and June 1, 1976: U.S. Soil Conservation Service.
1046. U.S. Department of Commerce, 1976, Water-supply outlook 1975-76 for the western United States: U.S. National Oceanic and Atmospheric Administration, National Weather Service, v. 28, nos. 1-5.
1047. U.S. Department of the Interior, 1947, The Columbia River, a comprehensive report on the development of the water resources of the Columbia River basin for irrigation, power production, and other beneficial uses in Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming: House Document 473, 81st Congress, 2nd session, v. 1, 399 p.
1048. ---1977, Failure Teton Dam: Teton Dam Failure Review Group, 744 p.
1049. U.S. Geological Survey, 1891, Eleventh annual report of the U.S. Geological Survey to the Secretary of the Interior, 1889-90; J. W. Powell, Director: Washington, D.C., pt. II, 395 p.

1050. ---1949, Floods of May-June 1948 in Columbia River basin: U.S. Geological Survey Water-Supply Paper 1080, 476 p.
1051. ---1955, Surface water supply of the United States, 1955, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1397, 311 p.
1052. ---1956a, Compilation of records of surface waters of the United States through September 1950, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1317, 566 p.
1053. ---1956b, Surface water supply of the United States, 1956, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1447, 261 p.
1054. ---1958, Surface water supply of the United States, 1958, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1567, 273 p.
1055. ---1960, Surface water supply of the United States, 1959, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1717, 263 p.
1056. ---1963 [1964], Compilation of records of surface waters of the United States, October 1950 to September 1960, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1737, 282 p.
1057. ---1969-74, water resources data for Idaho, 1968-73, pt. 1, Surface-water records, pt. 2, Water-quality records: Boise, Idaho, U.S. Geological Survey Water-Data Reports (published annually).
1058. ---1971a, Index of surface-water records to September 30, 1970, pt. 13, Snake River basin: U.S. Geological Survey Circular 663, 29 p.
1059. ---1971b, Surface water supply of the United States, 1961-1965, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 1934, 776 p.
1060. ---1975a, Surface water supply of the United States, 1966-1970, pt. 13, Snake River basin: U.S. Geological Survey Water-Supply Paper 2134, 821 p.

1061. ---1975b, Hydrologic unit map--1974, State of Idaho: Reston, Va., U.S. Geological Survey, scale 1:500,000.
1062. ---1976-78, Water resources data for Idaho, water years 1975-77: U.S. Geological Water-Data Reports ID-75-1 to ID-77-1 (published annually).
1063. ---1979-82, Water resources data for Idaho, water years 1978-81, v. 1, Great Basin and Snake River basin above King Hill, v. 2, Upper Columbia River Basin and Snake River basin below King Hill: U.S. Geological Survey Water-Data Reports ID-78-1 and ID-78-2 to ID-81-1 and ID-81-2 (published annually).
1064. U.S. Geological Survey, Idaho Bureau of Mines and Geology, Idaho Department of Highways, and Idaho Department of Reclamation, 1964, Mineral and water resources of Idaho: Idaho Bureau of Mines and Geology Miscellaneous Reports, 335 p.
1065. Waite, H. A., and Decker, S. O., 1967, A reexamination of water yield in the Little Lost River basin, Idaho: U.S. Geological Survey Open-File Report, 35 p.
1066. Walker, E. H., 1960, Analysis of aquifer test, January 1958-June 1959 at the National Reactor Testing Station, Idaho: U.S. Geological Survey Open-File Report IDO-22040, 33 p.
1067. ---1964a, Drainage waters and quantity and quality of ground water of the eastern Snake River Plain, Idaho, in Second Annual Engineering Geology and Soils Engineering Symposium, Pocatello, Id., March 23-25, 1964, Proceedings: Idaho State University, p. 50.
1068. ---1964b, The quality of ground water in the the upper Snake River basin, in Water quality in the Columbia River Basin: Pacific Water Quality Conference, Pullman, Wash., 1960: Washington State Institute of Technology, p. 79-93.
1069. ---1964c, Subsurface geology of the National Reactor Testing Station, Idaho: U.S. Geological Survey Bulletin 1133-E, 22 p.
1070. ---1965, Ground water in the upper Star Valley, Wyoming: U.S. Geological Survey Water-Supply Paper 1309-C, 27 p.

1071. Walker, E. H., Dutcher, L. C., Decker, S. O., and Dyer, K. L., 1970a, The Raft River basin, Idaho-Utah, as of 1966--a reappraisal of the water resources and effects of ground-water development: Idaho Department of Water Resources Water Information Bulletin 19, 95 p.
1072. ---1970b, The Raft River basin, Idaho-Utah, as of 1966--a reappraisal of the water resources and effects of ground-water development: U.S. Geological Survey Open-File Report, 116 p.
1073. Walker, E. H., and Sisco, H. G., 1964, Ground water in the Midvale and Council areas, upper Weiser River basin, Idaho: U.S. Geological Survey Water-Supply Paper 1779-Q, 26 p.
1074. Wallace, R. W., 1972, A finite-element, planar-flow model of Camas Prairie, Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, Ph.D. dissertation, 173 p.
1075. Walton, W. C., 1962, Ground-water resources of Camas Prairie, Camas, and Elmore Counties, Idaho: U.S. Geological Survey Water-Supply Paper 1609, 57 p.
1076. Walton, W. C., and Stewart, J. W., 1959, Aquifer tests in the Snake River basalt: American Society of Civil Engineers, Journal of the Irrigation and Drainage Division, v. 85, no. IR 3, pt. 1.
1077. Waring, G. A., 1965, Thermal springs of the United States and other countries of the world--a summary, rev. by R. R. Blankenship and Ray Bentall: U.S. Geological Survey Professional Paper 492, 383 p.
1078. Warnick, C. C., Ames, H. C., Kirkland, L. A., and Filler, J. R., 1981, A preliminary appraisal of offstream reservoir sites for meeting water storage requirements in the upper Snake River basin: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1079. Warnick, C. C., and Brockway, C. E., 1979, Undeveloped hydropower as a potential energy source in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.

1080. Warnick, C. C., Heitz, L. F., Kirkland, L. A., and Burke, G. G., 1981, User guide for Idaho hydro maps: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1081. Warnick, C. C., Kirkland, L. A., Ames, H. C., and Filler, J. R., 1981, An inventory of the potential offstream reservoir sites in the upper Snake River basin-an appendix: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.
1082. Water District 37, 37m, 1980, Water distribution and hydrometric work, Big and Little wood Rivers and Silver Creek: Shoshone, Idaho, 149 p.
1083. West, S. W., and Fader, S. W., 1952, Records of wells and ground-water withdrawals in the Dry Creek area, Cassia and Twin Falls Counties, southern Idaho: U.S. Geological Survey Open-File Report, 39 p.
1084. West, S. W., and Kilburn, Chabot, 1963, Ground water for irrigation in part of the Fort Hall Indian Reservation, Idaho: U.S. Geological Survey Water-Supply Paper 1576-D, 33 p.
1085. White, D. E., and Williams, D. L., eds., 1975, Assessment of geothermal resources of the United States--1975: U.S. Geological Survey Circular 726, 155 p.
1086. Whitehead, R. L., 1978, Water resources of the upper Henrys Fork basin in eastern Idaho: Idaho Department of Water Resources Water Information Bulletin 46, 91 p.
1087. Whitehead, R. L., and Parlman, D. J., 1979, A proposed ground-water quality monitoring network for Idaho: U.S. Geological Survey Open-File Report 79-1477, 70 p.
1088. Whitehead, R. L., and Sisco, H. G., 1968, Ground-water levels in Idaho, 1968: Idaho Department of Water Resources Water Information Bulletin 5, 24 p.
1089. Williams, R. E., 1972, Investigation of facts relative to ground-water recharge in Idaho: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute.

1090. Williams, R. E., Eier, D. D., and Wallace, A. T., 1969, Feasibility of re-use of treated wastewater for irrigation, fertilization, and ground-water recharge in Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 143, 110 p.
1091. Williams, R.E., and Wallace, A. T., 1970, Hydrogeological aspects of the selection of refuse disposal sites in Idaho: Moscow, Idaho Bureau of Mines and Geology Pamphlet 145, 31 p.
1092. Williams, R. P., 1979, Sediment discharge and channel change in the North Fork Teton River, Fremont and Madison Counties, Idaho: U.S. Geological Survey Open-File Report 79-1335, 84 p.
1093. Williams, R. P., and Young, H. W., 1982, Water resources of Rockland basin, southeastern Idaho: U.S. Geological Survey Open-File Report 82-755, 68 p.
1094. Wilson, H. M., 1892, American irrigation engineering, in Report of the Secretary of the Interior; being part of the message and documents communicated to the two houses of Congress at the beginning of the second session of the fifty-second Congress: Washington, D.C., v. IV, pt. 3, p. 109-349.
1095. ---1893, Engineering results of irrigation survey: Washington, D.C., Thirteenth Annual Report of the United States Geological Survey to the Secretary of the Interior, 1891-92; J. W. Powell, Director, pt. III, p. 351-427.
1096. Witkind, I. J., Hoskins, P. A., Lindsey, V. L., and Mitchell, E. L., 1972 [1974], Map showing snow avalanche probabilities in the Henrys Lake quadrangle, Idaho and Montana: U.S. Geological Survey Miscellaneous Investigations Series I-731-I, scale 1:24,000.
1097. Wood, S. H., Mitchell, J. C., and Anderson, John, 1980, Subsurface geology and geothermal prospects in the Nampa-Caldwell area of the Snake River Plain, Idaho: Boise, Idaho, Boise State University, Department of Geology and Geophysics, 3 p.
1098. Wytzes, Jetzer, 1980, Development of a groundwater model for the Henrys Fork and Rigby fan area, upper Snake River basin: Moscow, University of Idaho, Idaho Water and Energy Resources Research Institute, 205 p.

1099. Young, H. W., 1977, Reconnaissance of ground-water resources in the Mountain Home plateau area, southwest Idaho: U.S. Geological Survey Water-Resources Investigations 77-108, 40 p.
1100. ---1978, Water resources of Camas Prairie, south-central Idaho: U.S. Geological Survey Water-Resources Investigations 78-82, 33 p.
1101. Young, H. W., Backsen, R. L., and Kenyon, K. S., 1978, Selected hydrologic data, Camas Prairie, south-central Idaho: U.S. Geological Survey Open-File Report 78-500, 89 p.
1102. Young, H. W., and Harenberg, W. A., 1971, Ground-water pumpage from the Snake Plain aquifer, southeastern Idaho: Idaho Department of Water Administration Water Information Bulletin 23, 28 p.
1103. Young, H. W., Harenberg, W. A., and Seitz, H. R., 1977, Water resources of the Weiser River basin, west-central Idaho: Idaho Department of Water Resources Water Information Bulletin 44, 104 p.
1104. Young, H. W., and Lewis, R. E., 1982, Hydrology and geochemistry of thermal ground water in southwestern Idaho and north-central Nevada: U.S. Geological Survey Professional Paper 1044-J, 20 p.
1105. Young, H. W., Lewis, R. E., and Backsen, R. L., 1979, Thermal ground-water discharge and associated convective heat flux, Bruneau-Grand View area, southwest Idaho: U.S. Geological Survey Water-Resources Investigations 79-62.
1106. Young, H. W., and Mitchell, J. C., 1973, Geothermal investigations in Idaho, pt. 1, Geochemistry and geologic setting of selected thermal waters: Idaho Department of Water Administration Water Information Bulletin 30, 43 p.
1107. Young, H. W., and Whitehead, R. L., 1975, Geothermal investigations in Idaho, pt. 2, An evaluation of thermal water in the Bruneau-Grand View area, southwest Idaho: Idaho Department of Water Resources Water Information Bulletin 30, 126 p.

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