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UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

BIBLIOGRAPHY OF PUBLICATIONS PREPARED BY U.S. GEOLOGICAL SURVEY PERSONNEL UNDER COOPERATIVE PROGRAMS WITH THE U.S. DEPARTMENT OF ENERGY AND PREDECESSOR AGENCIES, 1957-1991, WITH EMPHASIS ON NUCLEAR TESTING PROGRAMS

By

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ABSTRACT

The U.S. Geological Survey has participated in continuing studies related to nuclear energy in cooperation with the U.S. Department of Energy and predecessor agencies since the 1940's. Geologic, geophysical, and hydrologic studies have been conducted to aid in mineral exploration; in support of the nuclear weapons testing programs at the Nevada Test Site and several other locations; in support of the Plowshare Program for peaceful uses of nuclear explosions; and in the search for potential radioactive waste disposal sites. This bibliography contains alphabetical listings of 850 publications and 95 additional abstracts related to these investigations from 1957 through 1991, and contains an extensive index based on title-subject keywords.

INTRODUCTION

The U.S. Geological Survey (USGS) has actively participated in the study of nuclear energy in the United States since the 1940's. USGS participation began under the Manhattan Engineer District, and after establishment of the Atomic Energy Commission (AEC) in 1946, subsequent work was performed in cooperation with that agency and its successors, the Energy Research and Development Administration, and the U.S. Department of Energy (DOE). Initial USGS studies focused on the occurrence of uranium and thorium deposits (Page and others, 1956), but subsequent investigations were more closely tied to public-safety issues related to the testing of nuclear weapons and the disposal of radioactive wastes.

The Nevada Test Site (NTS) was established in 1950 as a proving ground for nuclear weapons. The site had formerly been part of an Air Force bombing and gunnery range during World War II. The USGS began studies specific to the NTS in early 1956, and became part of an integrated investigative task force that included the Department of Defense, support contractors, the National Laboratories, Air Resources Field Research Office, Environmental Science Services Administration, Coast and Geodetic Survey, U.S. Public Health Service, U.S. Bureau of Mines, and U.S. Air Force (Miller, 1968). In addition to recommending acceptable media and areas for underground tests, USGS studies included investigations of the possibility of off-site contamination of ground water, of air blast and surface contamination in the event of venting, and of ground-shock damage that could result from underground blasts (Eckel, 1968). The first contained underground nuclear explosion at NTS was detonated on September 19, 1957 (Miller, 1968), following extensive study of the underground effects of chemical explosives.

In the early 1950's, peaceful uses of atomic energy gained attention, and an international conference was convened in Geneva in August 1955 (Page and others, 1956). The AEC established the Plowshare Program to assess potential peaceful uses of nuclear energy, and USGS investigations were conducted prior to most Plowshare tests to assess the local geologic and hydrologic conditions. Project Chariot in Alaska was initiated in 1957 to investigate technical problems and develop nuclear-excavation technology. Extensive bioenvironmental studies were conducted in addition to the public-safety program. By 1962, AEC deferred further consideration of the experiment, and suspended the project (Wilimovsky and Wolfe, 1966). The first Plowshare nuclear experiment (Gnome) was executed in thick salt beds near Carlsbad, New Mexico, in 1961. The Plowshare Program required specialized geologic and hydrologic studies to provide data required for technical feasibility and for the safety of the proposed nuclear detonations. Earth-science studies were conducted in connection with gas-retort experiments (Project Gasbuggy in New Mexico and Project Rulison in Colorado) and oil-shale retort (Project Rio Blanco in Colorado). Background studies were conducted in areas where the use of nuclear explosives proved infeasible, such as an attempt to stimulate recovery of geothermal energy.

Geologic, geophysical, and hydrologic studies were expanded to study the effects of weapons-related nuclear test explosions at underground locations beyond the NTS. Tests near Fallon, Nevada, in 1962, and in Mississippi in 1964 were performed under the Vela Uniform Program, a joint effort of the AEC and the Department of Defense. Supplemental Test Sites in Alaska and central Nevada were studied by USGS prior to being used for tests in the late 1960's. Seismic effects have been monitored over broad areas to understand the controls on potential property damage due to shaking and to enhance the ability to detect underground nuclear tests and estimate yields at remote locations. Unique opportunities for earth-science studies were provided under these programs. New techniques were developed to address highly specialized needs. Much of this technology has been expanded for use in other areas and on other non-nuclear projects.

Results of the early exploration studies were submitted to the AEC in sequentially numbered series referred to as Trace Element Investigations (TEI) reports or Trace Element Memoranda (TEM). Both series had limited distribution, based on AEC security regulations. During the 1960's many of these reports were declassified by the AEC, and released to the public as USGS open-file reports. Others were revised and were published in the scientific literature after clearance for release by the AEC. As pointed out by Eckel (1968, p. 9), the necessity for classification of some data regarding the NTS and nuclear explosions promoted a perception that most data were classified; however, most earth-science information is currently available in the open literature. This bibliography only contains listings on those TEI or TEM reports that principally pertain to weapons testing and were cleared by the AEC for release. A separate bibliography of publications related to the Yucca Mountain Site Characterization Project in Nevada has been published (Glanzman, 1991), and those listings (with minor exceptions) are not included in this compilation. This bibliography covers publications released between 1957 and 1991, and generally supersedes previous bibliographies of publications on the NTS (see Index listings for "Bibliography").

DESCRIPTION OF BIBLIOGRAPHY

Publications are listed alphabetically by author. Abstracts for presentations at scientic meetings and symposia are grouped in a separate section following the listing of publications. Prior to 1974, USGS open-file reports were unnumbered, thus, many of the open-file versions of TEI and TEM reports do not have specific open-file report numbers.

To aid users and librarians, who may have access to these older series numbers, the TEI or TEM number appears in brackets following the listing for the publicly available product.

Numerous reports are catalogued in the USGS-474-series, because the work was performed under a long-standing interagency agreement. Most of these reports have also been given an administrative index number (i.e., NTS-10, Central Nevada-14, etc.) that serves to identify particular projects or locations of testing areas investigated under the interagency agreement. The administrative index designation is given in brackets following the entry as an aid for cross reference. Users are advised that these administrative series numbers should not be used when ordering publications. Additionally, some entries are followed by dates (given in brackets) that indicate the year of the initial report, if it differs from the formal date of publication.

Numbers in the Index are keyed to entry numbers in the bibliography. The Index was prepared principally from information listed in the titles of the publications with minimal research of actual publications, and thus, is not comprehensive. Users are encouraged to examine index listings under several related keywords as an aid in using this bibliography.

ORDERING INFORMATION

Book publications of the USGS may be obtained from the Books and Open-File Reports Section (BOFRS), U.S. Geological Survey, Box 25425 Federal Center, Denver, Colo. 80225. USGS maps may be obtained from the Map Distribution Section, U.S. Geological Survey, Box 25286 Federal Center, Denver, Colo. 80225. Prepayment is required, and price information may be obtained by calling (303) 236-7476. For additional ordering information the reader is referred to USGS Circular 900, which is free on request from BOFRS. Reports with the designation USGS-XXX-XXX or DOE/NV/10583-X may be ordered from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Va. 22161. Journal articles or symposia proceedings should be requested from the appropriate publisher. Although some of the older reports may be out of print, copies may be available in the USGS or DOE Libraries.

REFERENCES CITED

Eckel, E.B., ed., 1968, Nevada Test Site: Geological Society of America Memoir 110, 290 p.

Glanzman, V.M., 1991, Bibliography of publications related to the Yucca Mountain Site Characterization Project prepared by U.S. Geological Survey personnel through April 1991: U.S. Geological Survey Open-File Report 91-341, 52 p.

Miller, R.E., 1968, Welcoming address for Rocky Mountain Section, Geological Society of America, *in* Eckel, E.B., ed., Nevada Test Site: Geological Soceity of America Memoir 110, p. 1-4.

Page, L.R., Stocking, H.E., and Smith, H.B., compilers, 1956, Contributions to the geology of uranium and thorium by the United States Geological Survey and Atomic Energy Commission for the United Nations International Conference on Peaceful Uses of Atomic Energy, Geneva, Switzerland, 1955: U.S. Geological Survey Professional Paper 300, 739 p.

Wilimovsky, N.J., and Wolfe, J.N., eds., 1966, Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, 1250 p.

PUBLICATIONS

1. Abel, J.F., Jr., 1970, Evaluation of stress instruments for Project Payette: U.S. Geological Survey report USGS-474-61, 57 p. [Special Projects-22]

2. Allingham, J.W., and Zeitz, Isidore, 1962, Geophysical data on the Climax stock, Nevada Test Site, Nye County, Nevada: Geophysics, v. 27, no. 5, p. 599-610. [TEI-794]

3. Ander, H.D., Byers, F.M., and Orkild, P.P., 1984, Geology of the Nevada Test Site (Field Trip 10), *in* Lintz, Joseph, ed., Western Geological Excursions, v. 2: Geological Society of America, p. 1-35.

4. Anderson, L.A., Bisdorf, R.J., and Schoenthaler, D.R., 1980, Resistivity sounding investigation by the Schlumberger method in the Syncline Ridge area, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 80-466, 54 p.

5. Anderson, R.E., 1969, Notes on the geology and paleohydrology of the Boulder City pluton, southern Nevada, *in* Geological Survey Research 1969: U.S. Geological Survey Professional Paper 650-B, p. B35-B40.

6. Anderson, R.E., 1971, Tectonic setting of Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-75 Rev. 1, 42 p. [Amchitka-19, Rev. 1]

7. Anderson, R.E., 1971, Thin skin distension in Tertiary rocks of southeastern Nevada: Geological Society of America Bulletin, v. 82, no. 1, p. 43-58.

8. Anderson, R.E., 1974, Large-magnitude late Tertiary strike-slip faulting north of Lake Mead, Nevada: U.S. Geological Survey Professional Paper 794, 18 p.

9. Anderson, R.E., 1978, Chemistry of Tertiary volcanic rocks in the Eldorado Mountains, Clark County, Nevada, and comparisons with rocks from some nearby areas: U.S. Geological Survey Journal of Research, v. 6, no. 3, p. 409-424.

10. Anderson, R.E., Eargle, D.H., and Davis, B.O., 1973, Geologic and hydrologic summary of the salt domes in Gulf Coast region of Texas, Louisiana, Mississippi, and Alabama: U.S. Geological Survey Open-File Report, 294 p.

11. Anderson, R.E., and Ekren, E.B., 1968, Widespread Miocene igneous rocks of intermediate composition, southern Nye County, Nevada, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 57-63.

12. Anderson, R.E., Ekren, E.B., and Healey, D.L., 1965, Possible buried mineralized areas in Nye and Esmeralda Counties, Nevada: U.S. Geological Survey Professional Paper 525-D, p. D144-D150.

13. Anderson, R.E., and Laney, R.L., 1975, The influence of late Cenozoic stratigraphy on distribution of impoundment-related seismicity at Lake Mead, Nevada-Arizona: U.S. Geological Survey Journal of Research, v. 3, no. 3, p. 337-343.

14. Anderson, R.E., Longwell, C.R., Armstrong, R.L., and Marvin, R.F., 1972, Significance of K-Ar ages of Tertiary rocks from the Lake Mead region, Nevada-Arizona: Geological Society of America Bulletin, v. 83, p. 273-288.

15. Armstrong, C.A., Chafin, R.V., Harris, H.B., Taylor, R.E., and Stanford, John, 1979, Log of exploratory hole 5, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-276, 10 p. [Dribble-13, 1961]

16. Armstrong, C.A., Chafin, R.V., Harris, H.B., Taylor, R.E., and Stanford, John, 1979, Log of exploratory hole 6, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-277, 9 p. [Dribble-14, 1961]

17. Armstrong, C.A., Harris, H.B., Taylor, R.E., Chafin, R.V., and Shows, T.N., 1971, Log of Hydrologic Test Well 1, Tatum dome area, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-110, 23 p. [Dribble-6, 1961]

18. Armstrong, C.A., Harris, H.B., Taylor, R.E., Chafin, R.V., and Shows, T.N., 1971, Log of Hydrologic Test Well 2, Tatum dome area, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-111, 22 p. [Dribble-7, 1961]

19. Armstrong, C.A., Taylor, R.E., Chafin, R.V., and Harris, H.B., 1979, Logs of exploratory holes 2 and 7, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-279, 18 p. [Dribble-16, 1961]

20. Armstrong, C.A., Taylor, R.E., Chafin, R.V., and Harris, H.B., 1979, Logs of exploratory holes 3 and 9, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-280, 18 p. [Dribble-17, 1962]

21. Armstrong, R.L., Ekren, E.B., McKee, E.H., and Noble, D.C., 1969, Spacetime relations of Cenozoic silicic volcanism in the Great Basin of the western United States: American Journal of Science, v. 267, no. 4, p. 478-490.

22. Arteaga, F.E., Savard, C.S., Johnson, M.E., and Stone, J.C., 1991, Hydrogeologic data from selected wells and test holes in and adjacent to the Nevada Test Site, Nye County, Nevada, through 1986: U.S. Geological Survey Open-File Report 87-536, 23 p.

23. Bachman, G.O., 1973, Surficial features and late Cenozoic history in southeastern New Mexico: U.S. Geological Survey Open-File Report, 31 p.

24. Bachman, G.O., 1974, Geologic processes and Cenozoic history related to salt dissolution in southeastern New Mexico: U.S. Geological Survey Open-File Report 74-194, 81 p.

25. Bachman, G.O., 1980, Regional geology and Cenozoic history of Pecos Region, southeastern New Mexico: U.S. Geological Survey Open-File Report 80-1099, 120 p.

26. Bachman, G.O., 1981, Geology of Nash Draw, Eddy County, New Mexico: U.S. Geological Survey Open-File Report 81-31, 8 p.

27. Bachman, G.O., and Johnson, R.B., 1973, Stability of salt in the Permian salt basin of Kansas, Oklahoma, Texas, and New Mexico, *with a section on* Dissolved salts in surface water, by F. A. Swenson: U.S. Geological Survey Open-File Report, 62 p.

28. Baker, J.H., Beetem, W.A., and Wahlberg, J.S., 1964, Adsorption equilibria between earth materials and radionuclides, Cape Thompson, Alaska: U.S. Geological Survey Open-File Report, 41 p.

29. Baker, J.H., Beetem, W.A., and Wahlberg, J.S., 1966, Adsorption equilibria between earth materials and radionuclides, chap. 39 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission report PNE-481, p. 1121-1140.

30. Balch, A.H., Lee, M.W., and Muller, D.C., 1980, A vertical seismic profiling experiment to determine depth and dip of the Paleozoic surface at drill hole U10bd, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 80-847, 25 p.

31. Baldwin, D.A., 1979, Aquifer-response measurements for the Sterling event, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-303, 10 p. [Dribble-54, 1968]

32. Ballance, W.C., 1968, Hydraulic tests in drill hole UAe-1, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-02, 36 p. [Amchitka-9]

33. Ballance, W.C., 1968, Hydraulic tests in hole UAe-2, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-103, 33 p. [Amchitka-12]

34. Ballance, W.C., 1968, Hydraulic tests in hole UAe-6h, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-104, 31 p. [Amchitka-13]

35. Ballance, W.C., 1969, Hydraulic tests in hole UAe-3, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-26, 59 p. [Amchitka-17]

36. Ballance, W.C., 1970, Hydraulic testing of hole UAe-7h, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-84, 31 p. [Amchtika-23]

37. Ballance, W.C., 1970, Hydraulic tests in hole UA-1 and water inflow into an underground chamber, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-72, 54 p. [Amchitka-21]

38. Ballance, W.C., 1972, Hydraulic tests in drill hole UAe-1, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-102, 32 p. [Amchitka-9]

39. Ballance, W.C., 1972, Hydraulic tests in hole UAe-6h, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-104, 27 p. [Amchitka-13]

40. Ballance, W.C., 1973, Hydraulic tests in hole UAe-2, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-103, 30 p. [Amchitka-12]

41. Ballance, W.C., 1973, Hydraulic tests in hole UAe-3, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-26 Rev. 1, 26 p. [Amchitka-17, Rev. 1]

42. Ballance, W.C., 1974, Radiochemical monitoring of water after the Cannikin event, Amchitka Island, Alaska, August 1973: U.S. Geological Survey report USGS-474-205, 16 p. [Amchitka-42]

43. Ballance, W.C., and Beetem, W.A., 1972, Water inflow into hole UA-1, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-156, 27 p. [Amchitka-34]

44. Ballance, W.C., and Dinwiddie, G.A., 1972, Hydraulic testing of hole UA-1-HTH-1, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-144, 23 p. [Amchitka-32]

45. Ballance, W.C., and Gard, L.M., 1971, Earth-science studies of a nuclear test area in the western Aleutian Islands: Supplementary hydrologic information: Discussion: Geological Society of America Bulletin, v. 82, no. 10, p. 2963.

46. Baltz, E.H., 1959, Provisional diagram showing relations of Permian rocks in part of Eddy County, New Mexico: U.S. Geological Survey Open-File Report, 1 p. [TEM-1035]

47. Barnes, D.F., 1966, Seismic, gravity, and magnetic measurements, chap. 11 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission report PNE-481, p. 165-174.

48. Barnes, Harley, 1974, Geologic and hydrologic background for selecting site of pilot-plant repository for radioactive waste: Association of Engineering Geologists Bulletin, v. 11, no. 1, p. 83-92.

49. Barnes, Harley, and Byers, F.M., Jr., 1961, Windfall Formation (Upper Cambrian) of Nevada Test Site and vicinity, Nevada: U.S. Geological Survey Professional Paper 424-C, p. C103-C106.

50. Barnes, Harley, and Christiansen, R.L., 1967, Cambrian and Precambrian rocks of the Groom district, Nevada, southern Great Basin: U.S. Geological Survey Bulletin 1244-G, p. G1-G34.

51. Barnes, Harley, Christiansen, R.L., and Byers, F.M., Jr., 1962, Cambrian Carrara Formation, Bonanza King Formation, and Dunderberg Shale east of Yucca Flat, Nye County, Nevada: U.S. Geological Survey Professional Paper 450-D, p. D27-D31.

52. Barnes, Harley, Christiansen, R.L., and Byers, F.M., Jr., 1965, Geologic map of the Jangle Ridge quadrangle, Nye and Lincoln Counties, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-363, scale 1:24,000.

53. Barnes, Harley, Ekren, E.B., Rogers, C.L., and Hedlund, D.C., 1982, Geologic and tectonic maps of the Mercury quadrangle, Nye and Clark Counties, Nevada: U.S. Geological Survey Miscellaneous Investigations Series Map I-1197, scale 1:24,000.

54. Barnes, Harley, Houser, F.N., and Poole, F.G., 1963, Geologic map of the Oak Spring quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-214, scale 1:24,000.

55. Barnes, Harley, and Palmer, A.R., 1961, Revision of stratigraphic nomenclature of Cambrian rocks, Nevada Test Site and vicinity, Nevada: U.S. Geological Survey Professional Paper 424-C, p. C100-C103.

56. Barnes, Harley, and Poole, F.G., 1968, Regional thrust-fault system in Nevada Test Site and vicinity, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 233-238.

57. Barnes, Willliam, and Hoover, D.L., 1977, Preliminary lithologic log of drill hole UCE-20, Hot Creek Valley, Nye County, Nevada: U.S. Geological Survey report USGS-474-259, 13 p. [Central Nevada-15, 1968]

58. Barosh, P.J., 1967, Preliminary geologic section from Pahute Mesa, Nevada Test Site to Enterprise, Utah: U.S. Geological Survey report USGS-474-25, 37 p. [NTS-207]

59. Barosh, P.J., 1968, Correlation of the Permian and Pennsylvanian sections between the Egan Range and Spring Mountains, Nevada, *in* Contributions to stratigraphy: U.S. Geological Survey Bulletin 1254-I, p. I1-I8.

60. Barosh, P.J., 1968, Relationships of explosion-produced fracture patterns to geologic structure in Yucca Flat, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 199-217.

61. Barosh, P.J., 1969, Use of seismic intensity data to predict the effects of earthquakes and underground nuclear explosions in various geologic settings: U.S. Geological Survey Bulletin 1279, 93 p.

62. Basler, J.A., 1983, Instrumentation used for hydraulic testing of potential water-bearing formations at the Waste Isolation Pilot Plant site in southeastern New Mexico: U.S. Geological Survey Open-File Report 83-144, 29 p.

63. Bates, R.G., 1966, Aeroradioactivity survey of the Lisburne Peninsula and adjacent areas, chap. 38 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission report PNE-481, p. 1115-1119.

64. Bath, G.D., 1967, Aeromagnetic anomalies, related to remanent magnetism in volcanic rocks, Nevada Test Site: U.S. Geological Survey Open-File Report, 20 p.

65. Bath, G.D., 1968, Aeromagnetic anomalies related to remanent magnetism in volcanic rock, Nevada Test Site, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 135-146.

66. Bath, G.D., 1976, Interpretation of magnetic surveys in inter-montane valleys of Nevada and New Mexico: U.S. Geological Survey Open-File Report 76-440, 37 p.

67. Bath, G.D., 1977, Aeromagnetic maps with geologic interpretations for the Tularosa Valley, south-central New Mexico: U.S. Geological Survey Open-File Report 77-258, 16 p.

68. Bath, G.D., Carr, W.J., Gard, L.M., Jr., and Quinlivan, W.D., 1972, Interpretation of an aeromagnetic survey of the Amchitka Island area, Alaska: U.S. Geological Survey Professional Paper 707, 25 p.

69. Bath, G.D., Healey, D.L., and Karably, L.S., 1977, Combined analysis of gravity and magnetic anomalies at Tularosa Valley, New Mexico: Geological Society of America Abstracts with Programs, v. 9, no. 1, p. 3-4.

70. Bath, G.D., Miller, C.H., and Quinlivan, W.D., 1971, Interpretation of a gravity survey of Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-93, 50 p. [Amchitka-24]

71. Beetem, W.A., and Grove, D.B., 1967, Radiochemical analyses of ground-water samples collected after the Salmon event in the vicinity of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-124, 48 p. [Dribble-47, supp. 1, 1965]

72. Beetem, W.A., and Grove, D.B., 1972, Radiochemical analyses of ground-water and surface-water samples collected after the Salmon event in the vicinity of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-119, 76 p. [Dribble-51, 1966]

73. Beetem, W.A., and Grove, D.B., 1972, Chemical and radiochemical data for domestic supply wells and surface-water samples in the vicinity of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-120, 84 p. [Dribble-53, 1966]

74. Beetem, W.A., and Grove, D.B., 1984, Tritium concentrations measured in samples of precipitation and streams in 1963 and 1964: U.S. Geological Survey report USGS-474-318, 9 p. [Special Projects-17, 1966]

75. Beetem, W.A., and Janzer, V.J., 1979, Distribution coefficient data and preliminary estimates of movement of radionuclides, Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-288, 37 p. [Dribble-31, 1963]

76. Beetem, W.A., Janzer, V.J., and Wahlberg, J.S., 1962, Use of cesium-137 in the determination of cation-exchange capacity, *in* Ion exchange on mineral materials: U.S. Geological Survey Bulletin 1140-B, p. B1-B8.

77. Beetem, W.A., Washington, C.L., Janzer, V.J., and Schroder, L.J., 1971, Radiochemical analyses of water samples collected on Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-123, 34 p. [Amchitka-26]

78. Beetem, W.A., Young, R.A., Washington, C.L., and Schroder, L.J., 1971, Chemical analyses of water samples collected on Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-135, 18 p. [Amchitka-29]

79. Bigelow, R.C., and Eberle, W.R., 1983, Empirical predictive curves for resistivity and dielectric constant of earth materials: 100 Hz to 100 MHz: U.S. Geological Survey Open-File Report 83-911, 74 p.

80. Black, R.A., and Balsinger, D.F., 1979, Velocity functions computed from well geophone surveys within a 25-mile radius of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-274, 6 p. [Dribble-11, 1961]

81. Black, R.A., and Eargle, D.H., 1979, Velocity cross section 1, extending southwest from Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-271, 9 p. [Dribble-5, 1961]

82. Black, R.A., Eargle, D.H., Davis, Beth, and Stanford, John, 1979, Velocity cross section 3, extending west from Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-283, 9 p. [Dribble-20, 1962]

83. Black, R.A., Eargle, D.H., Davis, Beth, and Stanford, John, 1979, Velocity cross section 6, extending southeast from Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-285, 7 p. [Dribble-23, 1963]

84. Black, R.A., and Twenhofel, W.S., 1979, Configuration of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-267, 4 p. [Dribble-1, 1961]

85. Black, R.A., and Twenhofel, W.S., 1979, Subsurface contour maps of major reflecting horizons in the vicinity of Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-273, 3 p. [Dribble-10, 1962]

86. Black, R.A., and Twenhofel, W.S., 1979, Velocity surveys in wells within a twenty-five mile radius of Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-268, 2 p. [Dribble-2, 1961]

87. Blankennagel, R.K., 1967, Hydraulic testing techniques of deep drill holes at Pahute Mesa, Nevada Test Site: U.S. Geological Survey Open-File Report, 50 p.

88. Blankennagel, R.K., 1968, Geophysical logging and hydraulic testing, Pahute Mesa, Nevada Test Site: Ground Water, v. 6, no. 4, p. 24-31.

89. Blankennagel, R.K., and Weir, J.E., Jr., 1973, Geohydrology of the eastern part of Pahute Mesa, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Professional Paper 712-B, p. B1-B33.

90. Bowers, W.E., 1964, Outline of the geology of the U12i and U12i.01 tunnels, and lithology of the U12i.01 drill hole, Nevada Test Site: U.S. Geological Survey Open-File Report, 23 p. [TEI-842]

91. Brethauer, G.E., 1968, Application of dislocation theory to analysis of vertical displacements at the ground surface caused by the Duryea Event: U.S. Geological Survey Open-File Report, 24 p.

92. Brethauer, G.E., 1968, Calculation of cavity radius using an average potential energy function: U.S. Geological Survey Open-File Report, 20 p.

93. Brethauer, G.E., 1979, Preliminary investigation of physical-properties data from Pahute Mesa, Nevada Test Site, using the GRASP storage and retrieval system: U.S. Geological Survey report USGS-474-307, 54 p. [Special Studies-96]

94. Brethauer, G.E., and Brokaw, V.L., 1979, Computer retrieval of bibliographies using an editing program: U.S. Geological Survey Open-File Report 79-1433, 9 p.

95. Brethauer, G.E., and Healey, D.L., 1975, Statistical evaluation of depths calculated from gravity data: U.S. Geological Survey report USGS-474-224, 24 p. [Special Projects-40]

96. Brethauer, G.E., Healey, D.L., and Miller, C.H., 1981, Statistical analysis of the gravity method of calculating the depth to the pre-Cenozoic surface in Yucca Flat, Nevada Test Site: Geophysical Prospecting, v. 29, no. 1, p. 31-38.

97. Brethauer, G.E., and Magner, J.E., 1977, Analysis of the effect of orientation of a buried hemispherical excavation on the surrounding stress distribution: U.S. Geological Survey report USGS-474-237, 18 p. [Special Projects-41]

98. Brethauer, G.E., Magner, J.E., and Miller, D.R., 1980, Statistical evaluation of physical properties in Area 12, Nevada Test Site, using the USGS/DNA storage and retrieval system: U.S. Geological Survey report USGS-474-309, 96 p. [Special Projects-43]

99. Brethauer, G.E., Muller, D.C., and Kibler, J.E., 1980, Preliminary analysis of physical-properties data characteristics of tunnel beds 3 and 4 in a part of Areas 4 and 7, Nevada Test Site: U.S. Geological Survey report USGS-474-310, 77 p. [Special Projects-44]

100. Brethauer, G.E., and Rosenbaum, J.G., 1974, Calculation of in situ principal stress using secondary principal stress: U.S. Geological Survey report USGS-474-181, 24 p. [NTS-253]

101. Brockman, S.R., Espinosa, A.F., Michael, J.A., and Navarro, R., 1984, Near-field strong-motion data from nuclear explosive sources: U.S. Geological Survey Open-File Report 84-834, 224 p.

102. Brokaw, A.L., Jones, C.L., Cooley, M.E., and Hays, W.H., 1972, Geology and hydrology of the Carlsbad potash area, Eddy and Lea Counties, New Mexico: U.S. Geological Survey Open-File Report, 86 p.

103. Bucknam, R.C., 1969, Geologic effects of the Benham underground nuclear explosion, Nevada Test Site: Seismological Society of America Bulletin, v. 59, no. 6, p. 2209-2220.

104. Bucknam, R.C., 1972, Vertical deformation produced by some underground nuclear explosions: Seismological Society of America Bulletin, v. 62, no. 4, p. 947-957.

105. Bucknam, R.C., 1973, Some factors relevant to the determination of in situ stress by analysis of geological and geophysical data: U.S. Geological Survey report USGS-474-168, 20 p. [NTS-247]

106. Bucknam, R.C., 1983, Compilation of selected faults and lineaments that may be relevant to a study of seismic activity in southern Nevada and part of adjacent California: U.S. Geological Survey report USGS-474-11, 13 p. [NTS-206, 1969]

107. Bunker, C.M., 1961, Gamma-radioactivity investigations at the Nevada Test Site, Nye and Lincoln Counties, Nevada: U.S. Geological Survey Open-File Report, 95 p. [TEI-778]

108. Bunker, C.M., 1965, Subsurface measurements of natural gamma radioactivity, Nevada Test Site and vicinity, Nye, Lincoln, and Clark Counties, Nevada: U.S. Geological Survey Open-File Report, 74 p. [TEI-858]

109. Bunker, C.M., and Bradley, W.A., 1979, Measurements of subsurface natural gamma radioactivity, Project Dribble, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-293, 14 p. [Dribble-37, 1963]

110. Bunker, C.M., and Bradley, W.A., 1979, Subsurface gamma-radioactivity measurements after Salmon event, Project Dribble, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-300, 5 p. [Dribble-45, 1965]

111. Bunker, C.M., Diment, W.H., and Wilmarth, V.R., 1960, Distribution of gamma radioactivity, radioactive glass, and temperature surrounding the site of the Rainier underground nuclear explosion, Nevada: U.S. Geological Survey Professional Paper 400-B, p. B151-B155.

112. Bunker, C.M., and Shutler, M.D., 1962, Gamma-radioactivity investigations at the Nevada Test Site, Nye County, Nevada (Interim report, Feb. 1960 to July 1961): U.S. Geological Survey Open-File Report, 62 p. [TEI-832]

113. Burchfiel, B.C., 1966, Reconnaissance geologic map of the Lathrop Wells 15-minute quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-474, scale 1:62,500.

114. Byerly, P.E., Stewart, S.W., and Roller, J.C., 1960, Seismic measurements by the U.S. Geological Survey during the pre-Gnome high-explosives tests near Carlsbad, New Mexico--Final report: U.S. Geological Survey Open-File Report, 40 p. [TEI-761]

115. Byers, F.M., Jr., 1962, Porosity, density, and water content data on tuff of the Oak Spring Formation from the U12e tunnel system, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report, 27 p. [TEI-811]

116. Byers, F.M., Jr., and Barnes, Harley, 1967, Geologic map of the Paiute Ridge quadrangle, Nye and Lincoln Counties, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-577, scale 1:24,000.

117. Byers, F.M., Jr., Barnes, Harley, Poole, F.G., and Ross, R.J., Jr., 1961, Revised subdivision of Ordovician system at the Nevada Test Site and vicinity, Nevada: U.S. Geological Survey Professional Paper 424-C, p. C106-C110.

118. Byers, F.M., Jr., Carr, W.J., Christiansen, R.L., Lipman, P.W., Orkild, P.P., and Quinlivan, W.D., 1976, Geologic map of the Timber Mountain caldera area, Nye County, Nevada: U.S. Geological Survey Miscellaneous Investigations Series Map I-891, scale 1:48,000.

119. Byers, F.M., Jr., Carr, W.J., Orkild, P.P., Quinlivan, W.D., and Sargent, K.A., 1976, Volcanic suites and related cauldrons of Timber Mountain-Oasis Valley caldera complex, southern Nevada: U.S. Geological Survey Professional Paper 919, 70 p.

120. Byers, F.M., Jr., and Cummings, David, 1968, Geologic map of the Scrugham Peak quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-695, scale 1:24,000. [TEI-849]

121. Byers, F.M., Jr., and Hawkins, W.L., 1981, Geology of drill hole UE18t and Area 18, Timber Mountain caldera moat, Nevada Test Site, *with a section on* Geophysical logging, by D.C. Muller: U.S. Geological Survey report USGS-474-312, 69 p. [Special Studies-97]

122. Byers, F.M., Jr., and Hazelwood, R.M., 1979, Summary of geology for two potential underground test sites in basaltic rocks, Nevada Test Site: U.S. Geological Survey report USGS-474-304, 10 p. [NTS-15, 1962].

123. Byers, F.M., Jr., Orkild, P.P., Carr, W.J., and Quinlivan, W.D., 1968, Timber Mountain Tuff, southern Nevada, and its relation to cauldron subsidence, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 87-97.

124. Byers, F.M., Jr., Rogers, C.L., Carr, W.J., and Luft, S.J., 1966, Geologic map of the Buckboard Mesa quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-552, scale 1:24,000.

125. Campbell, R.H., 1966, Areal geology, chap. 4 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission report PNE-481, p. 57-84.

126. Cannon, H.L., Strobell, M.E., Bush, C.A., and Bowles, J.M, 1981, Effects of nuclear and conventional chemical explosions on vegetation: U.S. Geological Survey Open-File Report 81-1300, 142 p.

127. Carr, W.J., 1964, Structure of part of the Timber Mountain dome and caldera, Nye County, Nevada: U.S. Geological Survey Professional Paper 501-B, p. B16-B19.

128. Carr, W.J., 1966, Geology and test potential of Timber Mountain caldera area, Nevada: U.S. Geological Survey report USGS-474-241, 37 p. [NTS-174]

129. Carr, W.J., 1974, Summary of tectonic and structural evidence for stress orientation at the Nevada Test Site: U.S. Geological Survey Open-File Report 74-176, 53 p.

130. Carr, W.J., Bath, G.D., Healey, D.L., and Hazelwood, R.M., 1975, Geology of northern Frenchman Flat, Nevada Test Site: U.S. Geological Survey report USGS-474-216, 23 p. [NTS-188]

131. Carr, W.J., Byers, F.M., Jr., and Jenkins, E.C., 1968, Geology of drill hole UE18r, Timber Mountain caldera, Nevada Test Site: U.S. Geological Survey report USGS-474-313, 23 p. [Special Studies-69, 1968]

132. Carr, W.J., Gard, L.M., Bath, G.D., and Healey, D.L., 1971, Earth science studies of a nuclear test area in the western Aleutian Islands, Alaska; an interim summary of results: Geological Society of America Bulletin, v. 82, no. 3, p. 699-705.

133. Carr, W.J., Gard, L.M., Jr., and Quinlivan, W.D., 1969, Geologic reconnaissance of Amchitka Island, Alaska, December 1966: U.S. Geological Survey report USGS-474-42, 14 p. [Amchitka-3]

134. Carr, W.J., Miller, C.H., and Dodge, H.W., Jr., 1975, Geology, physical properties, and surface effects of Discus Thrower site, Yucca Flat, Nevada Test Site: U.S. Geological Survey Open-File Report 75-410, 27 p.

135. Carr, W.J., and Quinlivan, W.D., 1966, Geologic map of the Timber Mountain quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-503, scale 1:24,000.

136. Carr, W.J., and Quinlivan, W.D., 1968, Structure of Timber Mountain resurgence dome, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 99-108.

137. Carr, W.J., and Quinlivan, W.D., 1969, Progress report on the geology of Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-44, 15 p. [Amchitka-5]

138. Carr, W.J., Quinlivan, W.D., and Gard, L.M., Jr., 1970, Age and stratigraphy relations of Amchitka, Banjo Point, and Chitka Point Formations, Amchitka Island, Aleutian Islands, Alaska, *in* Cohee, G.V., Bates, R.G., and Wright, W.B., Changes in stratigraphic nomenclature by the U.S. Geological Survey, 1969: U.S. Geological Survey Bulletin 1324-A, p. A16-A22.

139. Carroll, R.D., 1966, Rock properties interpreted from sonic velocity logs: Soil Mechanics and Foundations Division Journal, Proceedings of American Society of Civil Engineers, v. 92, no. SM2, paper 4715, p. 43-51.

140. Carroll, R.D., 1968, Applications of inhole geophysical logs in volcanic rock, Nevada Test Site, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 125-134.

141. Carroll, R.D., 1968, Velocity-porosity logging in volcanic rocks: Journal of Petroleum Technology, v. 20, no. 12, p. 1371-1374.

142. Carroll, R.D., 1969, Determination of the acoustic parameters of volcanic rocks from compressional velocity measurements: International Journal of Rock Mechanics and Mining Sciences, v. 6, p. 557-579.

143. Carroll, R.D., 1983, Seismic velocity and postshot properties in and near chimneys, *in* Hudson, B.C., Jones, E.M., Keller, C.E., and Smith, C.W., compilers, Proceedings of the Monterey Containment Symposium, Monterey, Calif., Aug. 26-28, 1981: Los Alamos National Laboratory Report LA-9211-C, v. 1, p. 379-396.

144. Carroll, R.D., 1986, Shear-wave velocity measurements in volcanic tuff in Rainier Mesa tunnels, Nevada Test Site, Nevada: U.S. Geological Survey report USGS-474-321, 24 p. [Area 12-51]

145. Carroll, R.D., 1989, Density logging and density of rocks in Rainier Mesa area, Nevada Test Site: U.S. Geological Survey Open-File Report 89-329, 72 p., plus appendix.

146. Carroll, R.D., 1990, Electric logging and electrical properties of rocks in Rainier Mesa area, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 90-31, 90 p.

147. Carroll, R.D., Coffin, D.L., Ege, J.R.,and Welder, F.A., 1967, Preliminary report on Bureau of Mines Yellow Creek core hole No. 1, Rio Blanco County, Colorado: U.S. Geological Survey Open-File Report, 36 p. [TEI-869]

148. Carroll, R.D., and Cunningham, M.J., 1980, Geophysical investigations in deep horizontal holes drilled ahead of tunneling: International Journal of Rock Mechanics and Mining Sciences, v. 17, no. 2, p. 89-107.

149. Carroll, R.D., and Kibler, J.E., 1983, Sourcebook of locations of geophysical surveys in tunnels and horizontal holes including results of seismic refraction surveys, Rainier Mesa, Aqueduct Mesa, and Area 16, Nevada Test Site: U.S. Geological Survey Open-File Report 83-399, 85 p.

150. Carroll, R.D., Lee, F.T., Scott, J.H., and Robinson, C.S., 1968, Seismic refraction studies of the Loveland Basin landslide, *in* Geological Survey Research 1968: U.S. Geological Survey Professional Paper 600-B, p. B83-B87.

151. Carroll, R.D., and Magner, J.E., 1986, Postshot seismic investigations in the vicinity of the Midas Myth event, U12t.04 drift, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 86-98, 42 p.

152. Carroll, R.D., and Magner, J.E., 1988, Velocity logging and seismic velocity of rocks in the Rainier Mesa area, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 88-380, 85 p., plus appendices.

153. Carroll, R.D., and Muller, D.C., 1973, Techniques for the quantitative determination of alluvial physical properties from geophysical logs, southern Yucca Flat, Nevada Test Site: U.S. Geological Survey report USGS-474-175, 8 p. [Special Projects-35]

154. Carroll, R.D., and Paul, J.E., 1970, The estimation of in situ acoustic properties of volcanic rocks from compressional velocity measurements, central Nevada: U.S. Geological Survey report USGS-474-69, 25 p. [Central Nevada-39]

155. Carroll, R.D., and Scott, J.H., 1966, Uphole seismic measurements as an indication of stress relief in granitic rock tunnels: U.S. Geological Survey Professional Paper 550-D, p. D138-D143.

156. Carroll, R.D., Scott, J.H., and Cunningham, D.R., 1966, Elastic moduli of granitic rock from in situ measurements of seismic velocity, *in* U.S. Geological Survey Research 1966: U.S. Geological Survey Professional Paper 550-C, p. C25-C28.

157. Carroll, R.D., Scott, J.H., and Lee, F.T., 1972, Seismic refraction studies, *in* Geological, geophysical, and engineering investigations of the Loveland Basin landslide, Clear Creek County, Colorado 1963-65: U.S. Geological Survey Professional Paper 673, p. 17-19.

158. Cattermole, J.M., and Hansen, W.R., 1962, Geologic effects of the high-explosive tests in the USGS tunnel area, Nevada Test Site: U.S. Geological Survey Professional Paper 382-B, p. B1-B31.

159. Chafin, R.V., Armstrong, C.A., Harris, H.B., and Taylor, R.E., 1979, Log of exploratory hole 4, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-275, 11 p. [Dribble-12, 1961]

160. Chafin, R.V., Armstrong, C.A., Taylor, R.E., and Harris, H.B., 1979, Log of exploratory hole 1, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-272, 7 p. [Dribble-8, 1961]

161. Chapman, R.H., Healey, D.L., and Troxel, B.W., 1971, Bouguer gravity map of California--Death Valley sheet: California Division of Mines and Geology, scale 1:250,000.

162. Christensen, R.C., and Spahr, N.E., 1980, Flood potential of Topopah Wash and tributaries, eastern part of Jackass Flats, Nevada Test Site, southern Nevada: U.S. Geological Survey Open-File Report 80-963, 22 p.

163. Christiansen, R.L., and Barnes, Harley, 1966, Three members of the Upper Cambrian Nopah Formation in the southern Great Basin, *in* Cohee, G.V., and West, W.S., Changes in Stratigraphic Nomenclature by the U.S. Geological Survey 1965: U.S. Geological Survey Bulletin-1244A, p. A49-A52.

164. Christiansen, R.L., and Lipman, P.W., 1965, Geologic map of the Topopah Spring NW quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-444, scale 1:24,000.

165. Christiansen, R.L., and Lipman, P.W., 1966, Emplacement and thermal history of a rhyolite lava flow near Fortymile Canyon, southern Nevada: Geological Society of America Bulletin, v. 77, no. 7, p. 671-684. (also as GSA Special Paper 76, p. 268)

166. Christiansen, R.L., Lipman, P.W., Carr, W.J., Byers, F.M., Jr., Orkild, P.P., and Sargent, K.A., 1977, Timber Mountain-Oasis Valley caldera complex of southern Nevada: Geological Society of America Bulletin, v. 88, no. 7, p. 943-959.

167. Christiansen, R.L., Lipman, P.W., Orkild, P.P., and Byers, F.M., Jr., 1965, Structure of the Timber Mountain caldera, southern Nevada, and its relation to Basin-Range structure, Geological Survey Research 1965: U.S. Geological Survey Professional Paper 525-B, p. B43-B48.

168. Christiansen, R.L., and Noble, D.C., 1968, Geologic map of the Trail Ridge quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-774, scale 1:24,000.

169. Christiansen, R.L., Poole, F.G., Barnes, Harley, Orkild, P.P., Byers, F.M., Jr., Carr, W.J., McKeown, F.A., Houser, F.N., Shoemaker, E.M., and Emerick, W.L., 1969, Guidebook for field trips to the Nevada Test Site: U.S. Geological Survey Open-File Report, 56 p.

170. Claassen, H.C., 1970, The determination of low levels of cobalt-60 in environmental waters by liquid scintillation counting: Analytica Chimica Acta, v. 52, no. 2, p. 229-235.

171. Claassen, H.C., 1971, Radiochemical analyses of water samples from selected streams and precipitation collected October 23-November 9, 1970, in conjunction with production-test flaring of gas from test well, Project Rulison: U.S. Geological Survey report USGS-474-108, 6 p. [Rulison-9]

172. Claassen, H.C., 1971, Radiochemical analyses of water from selected streams and precipitation collected immediately before and after the second production-test flaring, Project Rulison: U.S. Geological Survey report USGS-474-122, 6 p. [Rulison-10]

173. Claassen, H.C., 1973, Water quality and physical characteristics of Nevada Test Site water-supply wells: U.S. Geological Survey report USGS-474-158, 141 p. [NTS-242]

174. Claassen, H.C., 1978, Hydrologic processes and radionuclide distribution in a cavity and chimney produced by the Cannikin nuclear explosion, Amchitka Island, Alaska: U.S. Geological Survey Professional Paper 712-D, p. D1-D28.

175. Claassen, H.C., 1985, Sources and mechanisms of recharge for ground water in the west-central Amargosa Desert, Nevada--A geochemical interpretation: U.S. Geological Survey Professional Paper 712-F, p. F1-F31. [Supersedes Open-File Report 83-542]

176. Claassen, H.C., 1986, Late-Wisconsin paleohydrology of the west-central Amargosa Desert, Nevada, U.S.A.: Chemical Geology, v. 58, p. 311-323.

177. Claassen, H.C., and Cordes, E.H., 1976, Two-well recirculating tracer test in fractured carbonate rock, Nevada: Hydrological Sciences Bulletin v. 20, no. 2, p. 367-382.

178. Claassen, H.C., Reddy, M.M., and Halm, D.R., 1986, Use of the chloride ion in determining hydrologic-basin water budgets--A 3-year case study in the San Juan Mountains, Colorado, U.S.A.: Journal of Hydrology, v. 85, p. 49-71.

179. Claassen, H.C., Reddy, M.M., and White, A.F., 1983, Relationship between precipitation and vadose-zone chemistry in a high-altitude watershed in Colorado: Proceedings of the 5th Annual Participants Information Meeting, DOE, Low-Level Waste Management Program, Denver, Colo., August 29-September 1, 1983, p. 726-736.

180. Claassen, H.C., and Voegeli, P.T., Sr., 1971, Radiochemical analyses of water samples from selected streams and precipitation collected in connection with calibration-test flaring of gas from test well, Aug. 15-Oct. 13, 1970, Project Rulison: U.S. Geological Survey report USGS-474-107, 6 p. [Rulison-8]

181. Claassen, H.C., and White, A.F., 1979, Application of geochemical kinetic data to ground-water systems: A tuffaceous-rock system in southern Nevada, *in* Jenne, E.A., ed, Chemical Modeling in Aqueous Systems: Speciation, Sorption, Solubility, and Kinetics: American Chemical Society Symposium Series 93, p. 771-793.

182. Clebsch, Alfred, Jr., 1960, Ground water in the Oak Spring Formation and hydrologic effects of underground nuclear explosions at the Nevada Test Site: U.S. Geological Survey Open-File Report, 29 p. [TEI-759]

183. Clebsch, Alfred, Jr., 1961, Tritium-age of ground water at the Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Professional Paper 424-C, p. C122-C125.

184. Clebsch, Alfred, Jr., and Baker, F.B., 1960, Analysis of ground water from Rainier Mesa, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 22 p. [TEI-763]

185. Cole, J.C., Wahl, R.R., and Hudson, M.R., 1989, Structural relations within the Paleozoic basement of the Mine Mountain block; implications for interpretation of gravity data in Yucca Flat, Nevada Test Site, *in* Olsen, C.W., and Carter, J.A., eds., Fifth Symposium on Containment of Underground Nuclear Explosions--Vol. 2: Mission Research Corp. Report CONF-8909163, p. 431-455.

186. Colton, R.B., and McKay, E.J., 1967, Geologic map of the Yucca Flat quadrangle, Nye and Lincoln Counties, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-582, scale 1:24,000. [TEI-824]

187. Colton, R.B., and Noble, D.C., 1968, Geologic map of the Groom Mine SW quadrangle, Nye and Lincoln Counties, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-719, scale 1:24,000.

188. Cooper, J.B., 1960, Geologic section from Carlsbad Caverns National Park through the Project Gnome site, Eddy and Lea Counties, New Mexico: U.S. Geological Survey Open-File Report, 1 p. [TEI-767]

189. Cooper, J.B., 1962, Test holes drilled in support of ground-water investigations, Project Gnome, Eddy County, New Mexico; Basic data report: U.S. Geological Survey Open-File Report, 116 p. [TEI-786]

190. Cooper, J.B., 1962, Ground-water investigations of the Project Gnome area, Eddy and Lea Counties, New Mexico: U.S. Geological Survey Open-File Report, 67 p. [TEI-802]

191. Cooper, J.B., and Glanzman, V.M., 1971, Geohydrology of Project Gnome site, Eddy County, New Mexico: U.S. Geological Survey Professional Paper 712-A, p. A1-A24.

192. Corchary, G.S., 1969, Lithologic logs of six exploratory holes (UCe-9, -10, -11, -12a, -13, and -14) drilled in alluvium in central Nevada: U.S. Geological Survey report USGS-474-2, 9 p. [Central Nevada-24]

193. Cordes, E.H., 1969, Hydraulic testing and sampling of USBM/AEC Colorado Core Hole 3, Rio Blanco County, Colorado: U.S. Geological Survey Open-File Report, 30 p.

194. Covington, H.R., 1987, Map showing surface features induced by underground nuclear explosions at Pahute Mesa, Nevada Test Site, Nye County, Nevada, April 1976 through December 1983: U.S. Geological Survey Miscellaneous Investigations Series Map I-1872, scale 1:48,000.

195. Covington, H.R., 1989, The Delamar fracture zone: Recognition of unmapped zones of weakness on Pahute Mesa, Nevada Test Site, *in* Olsen, C.W., and Carter, J.A., eds., Fifth Symposium on Containment of Underground Nuclear Explosions--Vol. 2: Mission Research Corp. Report CONF-8909163, p. 405-416.

196. Covington, H.R., and Simonds, F.W., 1985, Geologic cross sections and paleogeologic maps, Yucca Flat, Nevada Test Site, *in* Olsen, C.W., and Donohue, M.L., eds., Third Symposium on Containment of Underground Nuclear Explosions, Proceedings: Lawrence Livermore National Laboratory Report Conf-850953, v. 2, p. 31-45.

197. Cummings, David, 1964, Eddies as indicators of local flow direction in rhyolite, *in* Geological Survey Research 1963: U.S. Geological Survey Professional Paper 475-D, p. D70-D72.

198. Cummings, David, 1968, Mechanical analysis of the effect of the Timber Mountain caldera on Basin and Range faults: Journal of Geophysical Research, v. 73, no. 8, p. 2787-2794.

199. Cunningham, M.J., and Snyder, R.P., 1975, Geologic and geophysical field investigations at the Mine Throw III site, Split Ridge, Nevada Test Site, Nevada: U.S. Geological Survey report USGS-474-220, 50 p. [NTS-257]

200. Danilchik, Walter, 1969, Summary of geology and physical properties of the tuffs of the U12g.09 experiment and work drifts, Nevada Test Site: U.S. Geological Survey report USGS-474-30, 17 p. [Rainier Mesa-12]

201. Davis, R.E., 1964, Geology of the 410 area, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 25 p. [TEI-789]

202. Davis, R.E., Carr, W.J., and D'Agostino, J.P., 1965, Final Report--Geology and surface effects, Handcar Event: U.S. Atomic Energy Commission report PNE-810F, 22 p.

203. Davis, R.E., Williams, W.P., Johnson, R.B., and Emerick, W.L., 1962, Preliminary results of a survey for thick high-calcium limestone deposits in the United States, *with a section on* Possible Alaskan sites for nuclear reaction experiment in limestone, by G. D. Eberle: U.S. Geological Survey Open-File Report, 45 p. [TEI-780]

204. Dennehy, K.F., 1983, Results of hydrologic tests and water-chemistry analysis, wells H-6A, H-6B, and H-6C, at the proposed Waste Isolation Pilot Plant site, southeastern New Mexico: U.S. Geological Survey Water-Resources Investigations Report 82-8, 68 p.

205. Dickey, D.D., 1960, Thermoluminescence of some dolomite, tuff, and granitic rock samples from the north-central part of the Nevada Test Site, Nye County, Nevada--A progress report: U.S. Geological Survey Open-File Report, 30 p. [TEI-765]

206. Dickey, D.D., 1964, Effects of the Gnome nuclear explosion upon rock salt as measured by acoustical methods: U.S. Geological Survey Professional Paper 501-B, p. B108-B111.

207. Dickey, D.D., 1968, Fault displacement as a result of underground nuclear explosions, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 219-232.

208. Dickey, D.D., 1969, Strain associated with the Benham underground nuclear explosion: Seismological Society of America Bulletin, v. 59, no. 6, p. 2221-2230.

209. Dickey, D.D., 1971, Strain accompanying the Jorum underground nuclear explosion and its relation to geology: Seismological Society of America Bulletin, v. 61, no. 6, p. 1571-1581.

210. Dickey, D.D., and Ellis, W.L., 1970, Principal linear fractures resulting from nuclear explosions in Pahute Mesa: U.S. Geological Survey report USGS-474-64, 5 p. [Special Studies-67]

211. Dickey, D.D., and Emerick, W.L., 1961, Interim report on geologic investigations of the U12b tunnel system, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 13 p. [TEI-799]

212. Dickey, D.D., and Emerick, W.L., 1962, Interim geological investigations in the U12b.09 and U12b.07 tunnels, Nevada Test Site, Nye County, Nevada, *with a section on* Gamma radioactivity, by C.M. Bunker: U.S. Geological Survey Open-File Report, 21 p. [TEI-797]

213. Dickey, D.D., and Hassemer, J.H., 1974, Strain measurement results from four underground nuclear explosions in Yucca and Frenchman Flats, Nevada: U.S. Geological Survey report USGS-474-174, 52 p. [NTS-250]

214. Dickey, D.D., Jenkins, E.C., McKeown, F.A., and Lee, W.H., 1969, Geologic effects of the Greeley event: U.S. Geological Survey report USGS-474-12, 4 p. [NTS-196]

215. Dickey, D.D., and Johnson, R.B., 1961, Influence of natural fractures on the slope of explosion-produced craters, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-C, p. C361-C363.

216. Dickey, D.D., and McKeown, F.A., 1960, Geology of Dolomite Hill, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 64 p. [TEI-755]

217. Dickey, D.D., McKeown, F.A., and Bucknam, R.C., 1972, Preliminary results of ground deformation measurements near the Cannikin explosion: Seismological Society of America Bulletin, v. 62, no. 6, p. 1505-1518.

218. Dickey, D.D., McKeown, F.A., and Ellis, W.L., 1969 Summary of geologic effects of the Boxcar event, Nevada Test Site: U.S. Geological Survey Open-File Report, 4 p.

219. Dickey, D.D., and Monk, E.F., 1963, Determining density and porosity of tuff containing zeolites, *in* Geological Survey Research 1963: U.S. Geological Survey Professional Paper 475-B, p. B169-B170.

220. Diment, W.H., Healey, D.L., and Roller, J.C., 1959, Gravity and seismic exploration in Yucca Valley, Nevada Test Site, January-April 1959: U.S. Geological Survey Open-File Report, 41 p. [TEI-545]

221. Diment, W.H., Healey, D.L., and Roller, J.C., 1960, Gravity and seismic exploration at the Nevada Test Site, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B, p. B156-B160.

222. Diment, W.H., Stewart, S.W., and Roller, J.C., 1960, Maximum ground accelerations caused by nuclear explosions at distances of 5 to 300 kilometers, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B, p. B160-B161.

223. Diment, W.H., Wilcox, R.E., Keller, G.V., Dobrovolny, Ernest, Kracek, F.C., Roller, J.C., Peselnick, Louis, Robertson, E.C., Lachenbruch, A.H.,and Bunker, C.M., 1959, Properties of Oak Spring Formation in Area 12 at the Nevada Test Site: U.S. Geological Survey Open-File Report, 119 p. [TEI-672]

224. Diment, W.H., Wilmarth, V.R., Houser, F.N., Dickey, D.D., Hinrichs, E.N., Botinelly, T., Wilcox, R.E., and Byers, F.M., Jr., 1959, Geological Survey investigations in the U12e.05 tunnel, Nevada Test Site: U.S. Geological Survey Open-File Report, 70 p. [TEM-997]

225. Diment, W.H., Wilmarth, V.R., McKeown, F.A., Dickey, D.D., Hinrichs, E.N., Botinelly, T., Roach, C.H., Byers, F.M., Jr., Hawley, C.C., Izett, G.A., and Clebsch, Alfred, Jr., 1959, Geological Survey investigations in the U12b.03 and U12.04 tunnels, Nevada Test Site: U.S. Geological Survey Open-File Report, 75 p. [TEM-996]

226. Diment, W.H., Wilmarth, V.R., McKeown, F.A., Dickey, D.D., Botinelly, T., Hinrichs, E.N., Roach, C.H., Byers, F.M., Izett, G.A., and Johnson, G.R., 1959, Geological Survey investigations in the U12b.01 tunnel, Nevada Test Site: U.S. Geological Survey Open-File Report, 39 p. [TEM-998]

227. Diment, W.H., Wilmarth, V.R., Wilcox, R.E., Clebsch, Alfred, Jr., Manger, G.E., Hawley, C.C., Keller, G.V., Robertson, E.C., Peselnick, L.C., Bunker, C.M., Healey, D.L., Kane, M.F., Roth, E.F., Stewart, S.W., Roller, J.C., Jackson, W.H., Oliver, H.W., Byerly, P.E., and Mabey, D.R., 1959, Geologic effects of the Rainier underground nuclear explosion: U.S. Geological Survey Open-File Report, 134 p. [TEI-355]

228. Dinwiddie, G.A., 1969, Hydraulic testing of well HTH-23 in central Nevada: U.S. Geological Survey report USGS-474-23, 33 p. [Central Nevada-32]

229. Dinwiddie, G.A., 1969, Hydraulic testing of well HTH-3, central Nevada: U.S. Geological Survey report USGS-474-34, 23 p. [Central Nevada-35]

230. Dinwiddie, G.A., 1969, Hydraulic testing of well HTH-4, in central Nevada: U.S. Geological Survey report USGS-474-31, 20 p. [Central Nevada-34]

231. Dinwiddie, G.A., 1969, Hydraulic testing of well HTH-5, in central Nevada: U.S. Geological Survey report USGS-474-39, 14 p. [Central Nevada-37]

232. Dinwiddie, G.A., 1970, Analysis of hydraulic tests in Hot Creek Valley, Nevada: U.S. Geological Survey report USGS-474-82, 63 p. [Central Nevada-23]

233. Dinwiddie, G.A., 1970, Hydraulic testing and sampling of hole Ue-1 in central Nevada: U.S. Geological Survey report USGS-474-77, 25 p. [Central Nevada-7]

234. Dinwiddie, G.A., 1970, Hydraulic testing and sampling of hole Ue-2 in central Nevada: U.S. Geological Survey report USGS-474-78, 23 p. [Central Nevada-8]

235. Dinwiddie, G.A., 1970, Hydraulic testing and sampling of hole Ue-3 in central Nevada: U.S. Geological Survey report USGS-474-79, 21 p. [Central Nevada-9]

236. Dinwiddie, G.A., 1970, Hydraulic testing of well HTH-21-1 in central Nevada: U.S. Geological Survey report USGS-474-81, 33 p. [Central Nevada-22]

237. Dinwiddie, G.A., 1970, Hydraulic testing of wells in central Nevada: U.S. Geological Survey report USGS-474-80, 110 p. [Central Nevada-20]

238. Dinwiddie, G.A., 1973, Hydraulic testing and sampling of Water Well Number 2, Project Wagon Wheel, Sublette County, Wyoming: U.S. Geological Survey report USGS-474-142, 28 p. [Wagon Wheel-2]

239. Dinwiddie, G.A., and Schroder, L.J., 1971, Summary of hydraulic testing in and chemical analyses of water samples from deep exploratory holes in Little Fish Lake, Monitor, Hot Creek, and Little Smoky Valleys, Nevada: U.S. Geological Survey report USGS-474-90, 66 p. [Central Nevada-40]

240. Dinwiddie, G.A., and Weir, J.E., Jr., 1979, Summary of hydraulic tests and hydrologic data for holes UE16d and UE16f, Syncline Ridge area, Nevada Test Site: U.S. Geological Survey report USGS-1543-3, 25 p.

241. Dixon, G.L., Carr, W.J., and Aamodt, P.L., 1973, Lithologic logs and stratigraphic identification of exploratory and emplacement drill holes in Area 4, Nevada Test Site: U.S. Geological Survey report USGS-474-173, 33 p. [NTS-249]

242. Dixon, G.L., Carr, W.J., and Williams, W.P., 1983, Geologic and geophysical log of drill hole Ue5i, Nevada Test Site: U.S. Geological Survey USGS-474-316, 3 p. [NTS-186, 1967]

243. Dixon, G.L., Hedlund, D.C., and Ekren, E.B., 1973, Geologic map of the Pritchards Station quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations map I-728, scale 1:48,000.

244. Dixon, G.L., Quinlivan, W.D., Ray, J.M., and Ohl, J.P., 1975, Supplementary lithologic logs and stratigraphic identification for exploratory and emplacement drill holes in Areas 3, 4, and 7, Nevada Test Site: U.S. Geological Survey report USGS-474-211, 83 p. [NTS-260]

245. Dixon, G.L., Sargent, K.A., and Carr, W.J., 1976, Abandonment of the Indian Trail Formation and distribution of certain equivalent ash-flow tuffs, eastern Nevada Test Site, *in* Contributions to stratigraphy: U.S. Geological Survey Bulletin 1422-A, p. A49-A54.

246. Dixon, G.L., Sargent, K.A., and Spengler, R.W., 1973, Lithologic logs and stratigraphic identification of exploratory and emplacement drill holes in Area 3, Nevada Test Site: U.S. Geological Survey report USGS-474-151, 134 p. [NTS-244]

247. Dixon, G.L., and Snyder, R.P., 1977, Preliminary lithology and physical properties data, drill hole UE18, Hot Creek Valley, Central Nevada: U.S. Geological Survey report USGS-474-256, 5 p. [Central Nevada-2, 1967]

248. Dodge, H.W., Jr., Ege, J.R., Miller, D.R., and Magner, J.E., 1976, Determination of in situ stresses in U12t.02 SRI alcove, Aqueduct Mesa, Nevada Test Site: U.S. Geological Survey report USGS-474-236, 13 p. [Area 12-34]

249. Doty, G.C., and Rush, F.E., 1984, Inflow to a crack in playa deposits of Yucca Lake, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Water-Resources Investigations Report 84-4296, 24 p.

250. Doty, G.C., and Thordarson, William, 1983, Water table in rocks of Cenozoic or Paleozoic age, 1980, Yucca Flat, Nevada Test Site, Nevada: U.S. Geological Survey Water-Resources Investigations Report 83-4067 [map].

251. Doyle, A.C., and Meyer, G.L., 1982, Summary of hydraulic data and abridged lithologic log of ground-water test well 6 (J-13), Jackass Flats, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey report USGS-474-314, 11 p. [NTS-50, 1963].

252. Drellack, S.L., Jr., and Snyder, R.P., 1979, Geological data, *in* Basic data report for drillhole WIPP-28 (Waste Isolation Pilot Plant - WIPP): Sandia Laboratories Report SAND79-0282, p. 4-31.

253. Drellack, S.L., Jr., and Snyder, R.P., 1979, Geological data, *in* Basic data report for drillhole WIPP-26 (Waste Isolation Pilot Plant - WIPP): Sandia Laboratories Report SAND79-0280, p. 4-29.

254. Drellack, S.L., Jr., and Wells, J.G., 1983, Geological and well-construction data for the H-9 borehole complex near the proposed Waste Isolation Pilot Plant site, southeastern New Mexico: U.S. Geological Survey Water-Resources Investigations Report 82-4211, 32 p.

255. Dudley, W.W., 1972, Technique for predicting ground-water inflow to large underground openings: Society of Mining Engineers, AIME Transactions, v. 252, p. 149-153.

256. Dudley, W.W., Jr., 1970, Nonsteady inflow to a chamber within a thick aquitard at constant drawdown, *in* Geological Survey Research 1970: U.S. Geological Survey Professional Paper 700-C, p. C206-C211.

257. Dudley, W.W., Baldwin, D.A., and Baker, V.R., 1973, Analysis of aquifer response for the Sterling event, Tatum dome, Lamar County, Mississippi: U.S. Atomic Energy Commission Report VUF-1042, 24 p.

258. Dudley, W.W., Jr., Ballance, W.C., and Glanzman, V.M., 1977, Hydrology, *in* Merritt, M.L., and Fuller, R.G., eds., The environment of Amchitka Island, Alaska: U.S. Energy Research and Development Administration TID-26712, p. 35-51.

259. Eakin, T.E., Schoff, S.L., and Cohen, Philip, 1963, Regional hydrology of a part of southern Nevada: A reconnaissance: U.S. Geological Survey Open-File Report, 40 p. [TEI-833]

260. Eargle, D.H., 1964, Surface and subsurface stratigraphic sequence in southeastern Mississippi, *in* Geological Survey Research 1963: U.S. Geological Survey Professional Paper 475-D, p. D43-D48.

261. Eargle, D.H., 1968, Stratigraphy and structure of the Tatum salt dome area, southeastern Mississippi and northeastern Washington Parish, Louisiana, *in* Mattox, R.B., ed., Saline deposits: Geological Society of America Special Paper 88, p. 382-405.

262. Eargle, D.H., 1971, Southwest-northeast cross section, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-114, 2 p. [Dribble-29, 1963]

263. Eargle, D.H., 1971, Stratigraphic section for southeastern Mississippi: U.S. Geological Survey report USGS-474-113, 1 p. [Dribble-25, 1962]

264. Eargle, D.H., 1979, Generalized stratigraphic section for the Tatum dome area, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-270, 2 p. [Dribble-4, 1961]

265. Eargle, D.H., 1979, Geology of core hole WP-1, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-278, 46 p. [Dribble-15, 1962]

266. Eargle, D.H., 1979, Geology of core hole WP-4 Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-282, 45 p. [Dribble-19, 1962]

267. Eargle, D.H., and Black, R.A., 1979, Velocity cross section 2, extending northeast from Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-281, 7 p. [Dribble-18, 1962]

268. Eargle, D.H., Black, R.A., Davis, B.O., and Stanford, J.F., Jr., 1971, Velocity cross section 5, extending southwest from Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-112, 10 p. [Dribble-22, 1962]

269. Eargle, D.H., Black, R.A., Davis, B.O., and Stanford, J.F., 1973, Velocity cross section 7, extending south-southeast from Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-157, 6 p. [Dribble-24, 1962]

270. Eargle, D.H., Black, R.A., Davis, Beth, and Stanford, John, 1979, Velocity cross section 4, extending northwest from Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-284, 8 p. [Dribble-21, 1962]

271. Eargle, D.H., and Herbst, E.L., 1967, Study related to reports of damage from the Salmon event, Project Dribble: U.S. Atomic Energy Commission report NVO-22, rev. 1, 21 p.

272. Eargle, D.H., and Herbst, E.L., 1970, Regional geology and the Salmon event, *in* Geology and technology of Gulf Coast Salt--Symposium: Baton Rouge, Louisiana State University School of Geoscience, p. 87-107.

273. Eargle, D.H., Stanford, J.F., Jr., and Davis, B.O., 1971, Structure of the southeastern Mississippi region: U.S. Geological Survey report USGS-474-129, 22 p. [Dribble-26, 1963]

274. Eberle, W.R., 1983, The effects of water content and water resistivity on the dispersion of resistivity and dielectric constant in quartz sand in the frequency range 10^2 to 10^8 Hz: U.S. Geological Survey Open-File Report 83-914, 34 p.

275. Eberle, W.R., and Bigelow, R.C., 1973, Electrical dispersion characteristics of selected rock and soil samples from the Nevada Test Site: U.S. Geological Survey report USGS-474-162, 46 p. [Special Projects-34]

276. Eckel, E.B., 1960, Opportunities and responsibilities of earth scientists in the nuclear age: U.S. Geological Survey Circular 430, 8 p.

277. Eckel, E.B. (ed.), 1968, Nevada Test Site: Geological Society of America Memoir 110, 290 p.

278. Eckel, E.B., 1968, Development of geologic knowledge, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 5-10.

279. Ege, J.R., 1967, Comments on Barry K. McMahon's paper "Status of practical rock mechanics" (p. 133), *in* Grosvenor, N.E., and Paulding, B.W., Jr., eds., Proceedings, Ninth Rock Mechanics Symposium: Colorado School of Mines, 1967, p. 130.

280. Ege, J.R., 1967, Locations of potential interest for fracturing oil shale with nuclear explosives for in situ retorting, Piceance Creek Basin, Rio Blanco County, Colorado: U.S. Geological Survey Open-File Report, 8 p. [TEI-868]

281. Ege, J.R., 1968, Stability index for underground structures in granitic rock, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 185-197.

282. Ege, J.R., Carroll, R.D., Magner, J.E., and Cunningham, D.R., 1980, U.S. Geological Survey investigations in the U12n.03 drift, Rainier Mesa, Area 12, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 80-1074, 29 p.

283. Ege, J.R., Carroll, R.D., Way, R.J., and Magner, J.E., 1969, Evaluation of core data, physical properties, and oil yield, USBM/AEC Colorado core hole No. 3 (Bronco BR-1): U.S. Geological Survey report USGS-474-13, 25 p. [Oil Shale-5]

284. Ege, J.R., Carroll, R.D., and Welder, F.A., 1967, Preliminary report on the geology, geophysics and hydrology of USBM/AEC Colorado core hole no. 2, Piceance Creek Basin, Rio Blanco County, Colorado: U.S. Geological Survey Open-File Report, 52 p. [TEI-870]

285. Ege, J.R., and Cunningham, M.J., 1976, Geology of the U12n.10 UG-1 horizontal drill hole, Rainier Mesa, Area 12, Nevada Test Site: U.S. Geological Survey report USGS-474-218, 18 p. [Area 12-39]

286. Ege, J.R., Danilchik, Walter, and Feazel, C.T., 1980, Geology of the U12n.02 (Midi Mist) drift, and postshot observations, Rainier Mesa, Area 12, Nevada Test Site: U.S. Geological Survey report USGS-474-229, 21 p. [Area 12-45]

287. Ege, J.R., Leavesley, G.H., Steele, S.G., and Weeks, J.B., 1978, Site evaluation for U.S. Bureau of Mines experimental oil-shale mine, Piceance Creek Basin, Colorado: U.S. Geological Survey Open-File Report 78-390, 42 p.

288. Ege, J.R., Miller, D.R., and Danilchik, Walter, 1970, Schmidt hammer test method for field determination of physical properties of zeolitized tuff, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report, 37 p.

289. Ekren, E.B., 1968, Geologic setting of Nevada Test Site and Nellis Air Force Range, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 11-19.

290. Ekren, E.B., 1968, Indicated and inferred faults in the vicinity of UC-1, and results of exploratory trenching, Hot Creek Valley, Nevada: U.S. Geological Survey Open-File Report, 5 p.

291. Ekren, E.B., Anderson, R.E., Orkild, P.P., and Hinrichs, E.N., 1965, Geologic map of the Silent Butte quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-493, scale 1:24,000. [TEI-850]

292. Ekren, E.B., Anderson, R.E., Rogers, C.L., and Noble, D.C., 1971, Geology of the northern Nellis Air Force Base Bombing and Gunnery Range, Nye County, Nevada: U.S. Geological Survey Professional Paper 651, 91 p.

293. Ekren, E.B., Bath, G.D., Dixon, G.L., Healey, D.L., and Quinlivan, W.D., 1974, Tertiary history of Little Fish Lake Valley, Nye County, Nevada, and implications as to the origin of the Great Basin: U.S. Geological Survey Journal of Research, v. 2, no. 1, p. 105-118.

294. Ekren, E.B., Bucknam, R.C., Carr, W.J., Dixon, G.L., and Quinlivan, W.D., 1976, East-trending structural lineaments in central Nevada: U.S. Geological Survey Professional Paper 986, 16 p.

295. Ekren, E.B., and Byers, F.M., Jr., 1976, Ash-flow fissure vent in west-central Nevada: Geology, v. 4, no. 4, p. 247-251.

296. Ekren, E.B., and Byers, F.M., Jr., 1985, Geologic map of the Murphys Well, Pilot Cone, Copper Mountain, and Poinsettia Spring quadrangles, Mineral County, Nevada: U.S. Geological Survey Miscellaneous Investigations Series Map I-1576, scale 1:48,000.

297. Ekren, E.B., and Byers, F.M., Jr., 1985, Geologic map of the Gabbs Mountain, Mount Ferguson, Luning, and Sunrise Flat quadrangles, Mineral and Nye Counties, Nevada: U.S. Geological Survey Miscellaneous Investigations Series Map I-1577, scale 1:48,000.

298. Ekren, E.B., and Byers, F.M., Jr., 1985, Geologic map of the Win Wan Flat, Kinkaid NW, Kinkaid, and Indian Head Peak Quadrangles, Mineral County, Nevada: U.S. Geological Survey Miscellaneous Investigations Series Map I-1578, scale 1:48,000.

299. Ekren, E.B., and Byers, F.M., Jr., 1985, Geologic map of the Mount Annie NE, Mount Annie, Ramsey Spring, and Mount Annie SE quadrangles, Mineral and Nye Counties, Nevada: U.S. Geological Survey Miscellaneous Investigations Series Map I-1579, scale 1:48,000.

300. Ekren, E.B., Byers, F.M., Jr., Carr, W.J., Dixon, G.L., Dodge, H.W., Jr., Hedlund, D.C., Hinrichs, E.N., Hoover, D.L., Quinlivan, W.D., Rogers, C.L., and Snyder, R.P., 1968, Preliminary geologic map of the Hot Creek Valley area, Nye County, Nevada: U.S. Geological Survey Interagency report Central Nevada-3.

301. Ekren, E.B., Byers, F.M., Jr., Hardyman, R.F., Marvin, R.F., and Silberman, M.L., 1980, Stratigraphy, preliminary petrology, and some structural features of Tertiary volcanic rocks in the Gabbs Valley and Gillis Ranges, Mineral County, Nevada: U.S. Geological Survey Bulletin 1464, 54 p.

302. Ekren, E.B., Dinwiddie, G.A., Mytton, J.W., Thordarson, William, Weir, J.E., Jr., Hinrichs, E.N., and Schroder, L.J., 1974, Geologic and hydrologic considerations for various concepts of high-level radioactive waste disposal in conterminous United States: U.S. Geological Survey Open-File Report 74-158, 219 p.

303. Ekren, E.B., Hinrichs, E.N., and Dixon, G.L., 1973, Geologic map of the Wall quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations map I-719, scale 1:48,000.

304. Ekren, E.B., Hinrichs, E.N., Quinlivan, W.D., and Hoover, D.L., 1973 (1974), Geologic map of the Moores Station quadrangle Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations map I-756, scale 1:48,000.

305. Ekren, E.B., Orkild, P.P., Sargent, K.A., and Dixon, G.L., 1978, Geologic map of Tertiary rocks, Lincoln County, Nevada: U.S. Geological Survey Miscellaneous Investigations Map I-1041, scale 1:250,000.

306. Ekren, E.B., Quinlivan, W.D., Snyder, R.P., and Kleinhampl, F.J., 1974, Stratigraphy, structure, and geologic history of the Lunar Lake caldera of northern Nye County, Nevada: U.S. Geological Survey Journal of Research, v. 2, no. 5, p. 599-608.

307. Ekren, E.B., Rogers, C.L., Anderson, R.E., and Botinelly, Theodore, 1967, Geologic map of the Belted Peak quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-606, scale 1:24,000.

308. Ekren, E.B., Rogers, C.L., Anderson, R.E., and Orkild, P.P., 1968, Age of Basin and Range normal faults in Nevada Test Site and Nellis Air Force Range, Nevada, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 247-250.

309. Ekren, E.B., Rogers, C.L., and Dixon, G.L., 1973, Geologic and Bouguer gravity maps of the Reveille quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations map I-806, scale 1:48,000.

310. Ekren, E.B., and Sargent, K.A., 1965, Geologic map of the Skull Mountain quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-387, scale 1:24,000. [TEI-845]

311. Ellis, W.L., 1983, Hydraulic fracturing measurements in two boreholes near the Spent Fuel Test--Climax stock, Nevada Test Site: U.S. Geological Survey Open-File Report 83-406, 15 p.

312. Ellis, W.L., and Ege, J.R., 1976, Determination of in situ stresses in U12g tunnel, Rainier Mesa, Nevada Test Site, Nevada: U.S. Geological Survey report USGS-474-219, 15 p. [Area 12-37]

313. Ellis, W.L., and Kibler, J.D., 1983, Explosion-induced stress changes estimated from vibrating-wire stressmeter measurements near the Mighty Epic event, Nevada Test Site: U.S. Geological Survey Open-File Report 83-642, 25 p.

314. Ellis, W.L., and Magner, J.E., 1980, Compilation of results of three-dimensional stress determinations made in Rainier and Aqueduct Mesas, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 80-1098, 27 p.

315. Ellis, W.L., and Magner, J.E., 1982, Detemination of the in situ state of stress at the Spent Fuel Test--Climax site, Climax stock Nevada Test Site: U.S. Geological Survey Open-File Report 82-458, 54 p.

316. Ellis, W.L., and Snyder, R.P., 1974, Asymmetry of collapse sinks in Yucca Flat, Nevada Test Site, Nevada: U.S. Geological Survey report USGS-474-180, 16 p. [NTS-243]

317. Emerick, W.L., 1962, Interim geological investigations in the U12e.06 tunnel, Nevada Test Site, Nye County, Nevada, *with a section on* Gamma-radioactivity, by C.M. Bunker: U.S. Geological Survey Open-File Report, 38 p. [TEI-773]

318. Emerick, W.L., 1983, Exploratory drill holes UE1a, UE1b, and UE1c, Yucca Flat: U.S. Geological Survey USGS-474-317, 11 p. [Yucca-54, 1964]

319. Emerick, W.L., and Dickey, D.D., 1962, Interim geological investigations in the U12e.03a and U12e.03b tunnels, Nevada Test Site, Nye County, Nevada, *with a section on* Gamma-radioactivity survey of U12e.03a tunnel, by C.M. Bunker: U.S. Geological Survey Open-File Report, 26 p. [TEI-806]

320. Emerick, W.L., Dickey, D.D., and McKeown, F.A., 1962, Interim geological investigations in the U12e.04 tunnel, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 27 p. [TEI-776]

321. Emerick, W.L., and Houser, F.N., 1962, Interim geological investigations in the U12b.08 tunnel, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 23 p. [TEI-814]

322. Fairer, G.M., 1975, Geology of the UE12n-6 vertical drill hole, Nevada Test Site: U.S. Geological Survey report USGS-474-208, 23 p. [Area 12-36]

323. Fernald, A.T., 1970, Thickness of surficial deposits and tuff in Yucca Flat, Nevada Test Site: U.S. Geological Survey report USGS-474-86, 5 p. [NTS-224]

324. Fernald, A.T., 1979, Map of the tuff aquitard (lower tuff units) in Yucca Flat, Nevada Test Site: U.S. Geological Survey report USGS-474-262, 9 p. [NTS-263]

325. Fernald, A.T., 1983, Study of the Area 3 Sandpile, southeastern Yucca Flat, Nevada Test Site: Part I--Geology: U.S. Geological Survey report USGS-474-315, 16 p. [NTS-264]

326. Fernald, A.T., Byers, F.M., Jr., and Ohl, J.P., 1975, Lithologic logs and stratigraphic identification of exploratory and emplacement holes in Areas 1 and 6, Nevada Test Site: U.S. Geological Survey report USGS-474-206, 58 p. [NTS-256]

327. Fernald, A.T., Corchary, G.S., and Williams, W.P., 1968, Surficial geologic map of Yucca Flat, Nye and Lincoln Counties, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-550, scale 1:48,000.

328. Fernald, A.T., Corchary, G.S., Williams, W.P., and Colton, R.P., 1968, Surficial deposits of Yucca Flat area, Nevada Test Site, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 49-55.

329. Fiero, G.W., Jr., Illian, J.R., Dinwiddie, G.A., and Schroder, L.J., 1974, Use of hydrochemistry for interpreting ground-water flow systems in central Nevada: U.S. Geological Survey report USGS-474-178, 40 p. [Central Nevada-44]

330. Fischer, F.G., Papanek, P.J., and Hamilton, R.M., 1972, The Massachusetts Mountain earthquake of 5 August 1971 and its aftershocks, Nevada Test Site: U.S. Geological Survey report USGS-474-149, 16 p. [NTS-238]

331. Garber, M.S., 1971, A method for estimating the effective porosity in the rubble chimney formed by underground nuclear explosion, *in* Geological Survey Research 1971: U.S. Geological Survey Professional Paper 750-C, p. C207-C209.

332. Garber, M.S., 1971, Hydraulic-test and quality-of-water data from hole U3cn PS#2, Bilby Site, Nevada Test Site: U.S. Geological Survey report USGS-474-105, 77 p. [NTS-230]

333. Garber, M.S., and Koopman, F.C., 1968, Methods of measuring water levels in deep wells (a discussion of the techniques developed at the Nevada Test Site and other locations): U.S. Geological Survey Techniques of Water Resources Investigations, Book 8, Chap. a1, 23 p.

334. Garber, M.S., and Thordarson, William, 1962, Ground water test well C, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 79 p. [TEI-818]

335. Garber, M.S., and Wollitz, L.E., 1969, Measuring underground explosion effects on water levels in surrounding aquifer: Ground Water, v. 7, no. 4, p. 3-7.

336. Garcia, M.N., 1987, Photogrammetric method for determining sink volumes at the Nevada Test Site, *in* Olsen, C.W., Donohue, M.L., and Wander, Sandra, eds., Fourth Symposium on Containment of Underground Nuclear Explosions, Proceedings: Lawrence Livermore National Laboratory Report CONF-870961, v. 2, p. 446-455.

337. Garcia, M.N., 1989, Photogrammetric methods applied to surface effects mapping and volumetric studies at the Nevada Test Site, Nevada: Photogrammetric Engineering and Remote Sensing, v. 55, no. 8, p. 1197-1201.

338. Garcia, M.N., and Sharps, J.A., 1985, Morphology of the Carpetbag fault system, Yucca Flat, Nevada, *in* Olsen, C.W., and Donohue, M.L., eds., Third Symposium on Containment of Underground Nuclear Explosions, Proceedings: Lawrence Livermore National Laboratory Report Conf-850953, v. 2, p. 64-71.

339. Gard, L.M., 1963, Nuclear explosions--Some geologic effects of the Gnome shot: Science, v. 139, no. 3558, p. 911-914.

340. Gard, L.M., 1977, Effects of the February 3, 1965, earthquake on Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-244, 6 p. [Long Shot-2, 1965]

341. Gard, L.M., Jr., 1968, Geologic studies, Project Gnome, Eddy County, New Mexico: U.S. Geological Survey Professional Paper 589, 33 p.

342. Gard, L.M., Jr., 1974, Geologic history of Amchitka Island, Aleutian Islands, *in* United States Geological Survey Alaska Program 1974: U.S. Geological Survey Circular 700, p. 47-48.

343. Gard, L.M., Jr., 1976, Geology of the north end of the Salt Valley anticline, Grand County, Utah: U.S. Geological Survey Open-File Report 76-303, 35 p.

344. Gard, L.M., Jr., 1980, The Pleistocene geology of Amchitka Island, Aleutian Islands, Alaska: U.S. Geological Survey Bulletin 1478, 38 p.

345. Gard, L.M., Jr., compiler, 1972, Chemical analyses of igneous rocks from drill holes and outcrops, Amchitka Island, Alaska (including working-point rocks of Long Shot, Milrow, and Cannikin events): U.S. Geological Survey report USGS-474-140, 14 p. [Amchitka-31]

346. Gard, L.M., Jr., 1977, Geologic history, *in* Merritt, M.L., and Fuller, R.G., eds., The environment of Amchitka Island, Alaska: U.S. Energy Research and Development Administration TID-26712, p. 13-34.

347. Gard, L.M., Cooper, J.B., Dickey, D.D., Bowles, C.G., Madsen, B.M., Carroll, R.D., Bunker, C.M., Janzer, V.J., Goldberg, M.C., Angelo, C.G., Beetem, W.A., and Mourant, W.A., 1962, Hydrologic and geologic studies for Project Gnome, progress report (final report): U.S. Atomic Energy Commission report PNE-130F, pts. 1-4, 195 p.

348. Gard, L.M., Cooper, J.B., Mourant, W.A., Janzer, V.J., Goldberg, M.C., Angelo, C.G., Beetem, W.A., and Bowles, C.G., 1962, Hydrologic and geologic studies for Project Gnome, preliminary report: U.S. Atomic Energy Commission report PNE-130P, pts. 1-4, 53 p.

349. Gard, L.M., Lee, W.H., and Way, R.J., 1969, Preliminary lithologic log of drill hole UAe-1 from 0 to 5,028 feet, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-46, 2 p. [Amchitka-6]

350. Gard, L.M., Lewis, G.E., and Whitmore, F.C., Jr., 1972, Stellar's Sea Cow in Pleistocene interglacial beach deposits on Amchitka, Aleutian Islands: Geological Society of America Bulletin, v. 83, no. 3, p. 867-869.

351. Gard, L.M., and West, S.W., 1969, Geology and hydrology of Amchitka Island, Appendix C, *in* Kirkwood, J.B., Bioenvironmental safety studies, Amchitka Island, Alaska--Progress report for FY 1968: Batelle Memorial Institute, BMI-171-116, p. C1-C4.

352. Gibbons, A.B., 1960, Geologic effects of the Rainier underground test--preliminary report: U.S. Geological Survey Open-File Report, 35 p. [TEI-718]

353. Gibbons, A.B., Hinrichs, E.N., and Botinelly, Theodore, 1960, The role of impermeable rocks in controlling zeolitic alteration of tuff, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B, p. B473-B475.

354. Gibbons, A.B., Hinrichs, E.N., Dickey, D.D., McKeown, F.A., Poole, F.G., and Houser, F.N., 1961, Engineering geology of test sites in granite and dolomite at Gold Meadows, Climax, and Dolomite Hill, Nevada Test Site, Nye County, Nevada--preliminary report: U.S. Geological Survey Open-File Report, 42 p. [TEM-884]

355. Gibbons, A.B., Hinrichs, E.N., Hansen, W.R., and Lemke, R.W., 1963, Geology of the Rainier Mesa quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-215, scale 1:24,000. [TEI-754]

356. Glanzman, V.M., 1979, Bibliography of reports by U.S. Geological Survey personnel on the Nevada Test Site and related subjects, July 1, 1977, to December 31, 1978, with author and subject indexes: U.S. Geological Survey report USGS-474-306, 27 p.

357. Glanzman, V.M., 1980, Bibliography of reports by U.S. Geological Survey personnel pertaining to underground nuclear testing and radioactive waste disposal at the Nevada Test Site and radioactive waste disposal at the WIPP site, New Mexico, January 1, 1979, to December 31, 1979: U.S. Geological Survey Open-File Report 80-817, 22 p.

358. Glanzman, V.M., 1981, Bibliography of reports by U.S. Geological Survey personnel pertaining to underground nuclear testing and radioactive waste disposal at the Nevada Test Site, and radioactive waste disposal at the Waste Isolation Pilot Plant site, New Mexico, January 1, 1980, to December 31, 1980: U.S. Geological Survey Open-File Report 81-892, 18 p.

359. Glanzman, V.M., 1983, Bibliography of reports by U.S. Geological Survey personnel on studies of underground nuclear test sites and on waste management studies at the Nevada Test Site and the Waste Isolation Pilot Plant site, New Mexico, January 1 to December 31, 1981: U.S. Geological Survey Open-File Report 83-478, 12 p.

360. Glanzman, V.M., 1984, Bibliography of reports by U.S. Geological Survey prsonnel on studies of underground nuclear test sites and on waste management studies at the Nevada Test Site and the Waste Isolation Pilot Plant site, New Mexico, January 1 to December 31, 1982: U.S. Geological Survey Open-File Report 84-23, 16 p.

361. Glanzman, V.M., 1985, Bibliography of reports by U.S. Geological Survey personnel on studies of underground nuclear test sites and on waste management studies at the Nevada Test Site and the Waste Isolation Pilot Plant site, New Mexico, January 1, 1983, to December 31, 1984: U.S. Geological Survey Open-File Report 85-363, 24 p.

362. Glanzman, V.M., 1986, Bibliography of reports by U.S. Geological Survey personnel on studies at the Nevada Test Site and the Waste Isolation Pilot Plant site, New Mexico, January 1, 1985, to December 31, 1985: U.S. Geological Survey Open-File Report 86-558, 16 p.

363. Glanzman, V.M., 1988, Bibliography of reports by U.S. Geological Survey personnel on studies at the Nevada Test Site, released between January 1 and December 31, 1986: U.S. Geological Survey Open-File Report 88-366, 18 p.

364. Golden, H.G., and Gaydos, M.W., 1979, Surface water investigations in Lower Little Creek Basin, Lamar and Marion Counties, Mississippi: U.S. Geological Survey report USGS-474-297, 15 p. [Dribble-41, 1964]

365. Gonzales, J.L., and Jones, C.L., 1979, Geologic data for borehole WIPP-13, *in* Basic data report for drillhole WIPP-13 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0273, p. 5-15.

366. Gonzales, J.L., and Jones, C.L., 1979, Geological data, *in* Basic data report for drillhole WIPP-25 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0279, p. 4-26.

367. Gonzales, J.L., and Jones, C.L., 1980, Geologic data, *in* Basic data report for drillhole WIPP 18 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0275, p. 6-16.

368. Gonzales, J.L., and Jones, C.L., 1980, Geological data for borehole WIPP 21, *in* Basic data report for drillhole WIPP 21 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0277, p. 6-16.

369. Gonzalez, D.D., Warren, C.T., and Washington, C.L., 1973, Water levels and spring discharges for selected wells and springs in Nevada, 1966-69: U.S. Geological Survey report USGS-474-171, 65 p. [NTS-248]

370. Gonzalez, D.D., and Wollitz, L.E., 1972, Hydrologic effects of the Cannikin event: Seismological Society of America Bulletin, v. 62, no. 6, p. 1527-1542.

371. Gonzalez, D.D., Wollitz, L.E., and Brethauer, G.E., 1974, Bathymetry of Cannikin Lake, Amchitka Island, Alaska, with an evaluation of computer-mapping techniques: U.S. Geological Survey report USGS-474-203, 20 p. [Amchitka-41]

372. Grantham, P.E., and Wasson, B.E., 1979, Inventory of wells near calibration shot points in south Mississippi: U.S. Geological Survey report USGS-474-292, 7 p. [Dribble-36, 1963]

373. Greenhaus, M.R., and Zablocki, C.J., 1982, A Schlumberger resistivity survey of the Amargosa Desert, southern Nevada: U.S. Geological Survey Open-File Report 82-897, 150 p.

374. Grove, D.B., 1969, The development of theoretical equations to describe the flow of a radioactive ion in ground water: Sandia Laboratory Report SC-CR-68-3637, 55 p.

375. Grove, D.B., 1970, The development of theoretical equations to describe the flow of a radioactive ion in ground water (final report): U.S. Geological Survey Open-File Report, 55 p.

376. Grove, D.B., 1970, A method to describe the flow of radioactive ions in ground water: Sandia Laboratories Report SC-CR-70-6139, 38 p.

377. Grove, D.B., 1971, U.S. Geological Survey tracer study, Amargosa Desert, Nye County, Nevada, Part II: An analysis of the flow field of a discharging-recharging pair of wells: U.S. Geological Survey report USGS-474-99, 52 p. [Amargosa Tracer-2]

378. Grove, D.B., and Beetem, W.A., 1971, Porosity and dispersion-constant calculations for a fractured carbonate aquifer using the two well tracer method: Water Resources Research, v. 7, no. 1, p. 128-134.

379. Grove, D.B., Rubin, Meyer, Hanshaw, B.B., and Beetem, W.A., 1969, Carbon-14 dates of ground water from a Paleozoic carbonate aquifer, south-central Nevada, *in* Geological Survey Research 1969: U.S. Geological Survey Professional Paper 650-C, p. C215- C218.

380. Grove, D.B., Sower, F.B., and Beetem, W.A., 1970, Fluid travel time between a recharging and discharging well pair in an aquifer having a uniform regional flow field: Water Resources Research, v. 6, no. 5, p. 1404-1410.

381. Hale, W.E., and Clebsch, Alfred, Jr., 1958, Preliminary appraisal of ground-water conditions in southeastern Eddy County and southwestern Lea County, New Mexico: U.S. Geological Survey Open-File Report, 30 p. [TEM-1045]

382. Hamilton, R.M., and Healy, J.H., 1969, Aftershocks of the Benham nuclear explosion: Seismological Society of America Bulletin, v. 59, no. 6, p. 2271-2281.

383. Hamilton, R.M., McKeown, F.A., and Healy, J.H., 1969, Seismic activity and faulting associated with a large underground nuclear explosion: Science, v. 166, p. 601-604.

384. Hamilton, R.M., Orkild, P.P., Dickey, D.D., and Hall, J.C., 1970, Earthquake, surface fracturing and strain associated with Cruet, Pod, and Calabash underground nuclear explosions at Yucca Flat, Nevada Test Site, October 29, 1969: U.S. Geological Survey report USGS-474-94, 13 p. [NTS-229]

385. Hamilton, R.M., Smith, B.E., Fischer, F.G., and Papanek, P.J., 1971, Seismicity of the Pahute Mesa area, Nevada Test Site, 8 December 1968 through 31 December 1970: U.S. Geological Survey report USGS-474-138, 166 p. [Special Studies-89]

386. Hamilton, R.M., Smith, B.E., Fischer, F.G., and Papanek, P.J., 1972, Earthquakes caused by underground nuclear explosions on Pahute Mesa, Nevada Test Site: Seismological Society of America Bulletin, v. 62, no. 5, p. 1319-1341.

387. Hamilton, R.M., Smith, B.E., Hall, J.C., and Healy, J.H., 1969, Summary of seismic activity in the Pahute Mesa area, Nevada Test Site, December 8, 1968-June 30, 1969: U.S. Geological Survey report USGS-474-58, 60 p. [NTS-222]

388. Hamilton, R.M., Smith, B.E., and Healy, J.H., 1970, Seismic monitoring of the Rulison underground nuclear explosion near Rifle, Colorado, on 10 September 1969: U.S. Geological Survey Open-File Report, 7 p.

389. Hansen, W.R., and Lemke, R.W., 1959, Geology of USGS and Rainier tunnel areas, Nevada Test Site: U.S. Geological Survey Open-File Report, 111 p. [TEI-716]

390. Hansen, W.R., Lemke, R.W., Cattermole, J.M., and Gibbons, A.B., 1963, Stratigraphy and structure of the Rainier and USGS tunnel areas, Nevada Test Site: U.S. Geological Survey Professional Paper 382-A, A1-A49.

391. Harvey, E.J., and Chafin, R.V., 1972, Geology and hydrology of the Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-131, 47 p. [Dribble-34, 1963]

392. Hasler, J.W., 1963, Interim geological investigations in the U12e.07 tunnel, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 19 p. [TEI-834]

393. Hayes, P.T., and Bachman, G.O., 1979, Examination and reevaluation of evidence for the Barrera fault, Guadalupe Mountains, New Mexico: U.S. Geological Survey Open-File Report 79-1520, 9 p.

394. Hazelwood, R.M., 1961, Interim report on seismic velocities of the Oak Spring Formation, U12e and U12b tunnel systems, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 12 p. [TEI-795]

395. Hazelwood, R.M., 1970, Seismic refraction survey at the UNa site, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey report USGS-474-76, 6 p. [NTS-226]

396. Healey, D.L., 1966, Gravity and seismic study of Yucca Flat, Nevada Test Site, Nye County, Nevada, *in* Mining Geophysics, v. 1, Case histories, of Society of Exploration Geophysicists: Tulsa, Oklahoma, Society of Exploration Geophysicists, p. 84-93.

397. Healey, D.L., 1967, Reconnaissance gravity survey of central Nevada: U.S. Geological Survey report USGS-474-223, 11 p. [Central Nevada-4]

398. Healey, D.L., 1968, Application of gravity data to geologic problems at Nevada Test Site, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 147-156.

399. Healey, D.L., 1970, Calculated in situ bulk densities from subsurface gravity observations and density logs, Nevada Test Site and Hot Creek Valley, Nye County, Nevada, *in* Geological Survey Research 1970: U.S. Geological Survey Professional Paper 700-B, p. B52-B62.

400. Healey, D.L., 1970, Gravity survey of Area 8, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey report USGS-474-89, 7 p. [NTS-218]

401. Healey, D.L., 1970, Gravity survey of the Ue15j site, Area 15, Nye County, Nevada: U.S. Geological Survey report USGS-474-66, 10 p. [NTS-223]

402. Healey, D.L., 1970, Gravity surveys in the California portion of the Kingman quadrangle: U.S. Geological Survey Open-File Report, 21 p.

403. Healey, D.L., 1971, Calculated in situ rock density from gravity observations, UA-1 (Cannikin) emplacement hole, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-106, 6 p. [Amchitka-25]

404. Healey, D.L., 1972, Principal facts for gravity stations in the Kingman area, Mohave County, Arizona: U.S. Geological Survey report USGS-474-143, 13 p. [Special Projects-31]

405. Healey, D.L., 1973, Bouguer gravity map of California--Kingman sheet: California Division of Mines and Geology, scale 1:250,000.

406. Healey, D.L., 1975, Principal facts for gravity stations in the Rat and Delarof Islands and Tanaga Island, Alaska: U.S. Geological Survey report USGS-474-212, 12 p. [Amchitka-43]

407. Healey, D.L., 1975, Reconnaissance gravity survey of central Nevada: U.S. Geological Survey report USGS-474-223, 10 p. [Central Nevada-4]

408. Healey, D.L., 1976, Principal facts for gravity stations in the western part of the Goldfield 2 degree sheet, Nevada: U.S. Geological Survey Open-File Report 76-57, 15 p.

409. Healey, D.L., 1976, Principal facts for gravity stations in the Nevada portion of the Mariposa 2 degree sheet: U.S. Geological Survey Open-File Report 76-58, 10 p.

410. Healey, D.L., 1976, Principal facts for gravity stations in the western part of the Tonopah 2 degree sheet, Nevada: U.S. Geological Survey Open-File Report 76-59, 14 p.

411. Healey, D.L., 1976, Principal facts for gravity stations in the Nevada portion of the Walker Lake 2 degree sheet: U.S. Geological Survey Open-File Report 76-60, 21 p.

412. Healey, D.L., and Currey, F.E., 1977, Principal facts for gravity stations in central Nevada, Nye, Esmeralda, Lander, Eureka, and White Pine Counties, Nevada: U.S. Geological Survey Open-File Report 77-510, 87 p.

413. Healey, D.L., and Kibler, J.D., 1976, Complete Bouguer and free-air gravity anomaly maps of the Delarof Islands and Tanaga Island, Alaska: U.S. Geological Survey Geophysical Investigations Map GP-908, scale 1:250,000.

414. Healey, D.L., and Kibler, J.D., 1976, Complete Bouguer and free-air gravity anomaly maps of the Rat Islands west of Amchitka Island, Alaska: U.S. Geological Survey Geophysical Investigations Map GP-909, scale 1:250,000.

415. Healey, D.L., and Miller, C.H., 1962, Gravity survey of the Nevada Test Site and vicinity, Nye, Lincoln, and Clark Counties, Nevada--Interim report: U.S. Geological Survey Open-File Report, 36 p. [TEI-827]

416. Healey, D.L., and Miller, C.H., 1963, Gravity survey of the Gold Meadows stock, Nevada Test Site, Nye County, Nevada, *in* Geological Survey Research 1963: U.S. Geological Survey Professional Paper 475-B, p. B64-B66.

417. Healey, D.L., and Miller, C.H., 1971, Gravity survey of the Amargosa Desert area of Nevada and California: U.S. Geological Survey report USGS-474-136, 29 p. [NTS-99]

418. Healey, D.L., and Miller, C.H., 1979, Interpretation of gravity data in the Timber Mountain area of the Nevada Test Site: U.S. Geological Survey report USGS-474-308, 47 p. [NTS-105, 1966]

419. Healey, D.L., Snyder, D.B., Wahl, R.R., and Currey, F.E., 1981, Bouguer gravity map of Nevada, Caliente sheet: Nevada Bureau of Mines and Geology, Map 70, scale 1:250,000.

420. Healey, D.L., Wahl, R.R., and Currey, F.E., 1978, Complete Bouguer gravity map of the Nevada part of the Goldfield and Mariposa 2 degree sheets: U.S. Geological Survey report USGS-474-260, 6 p.

421. Healey, D.L., Wahl, R.R., and Currey, F.E., 1978, Gravity survey of the Tularosa Valley and adjacent areas, New Mexico: U.S. Geological Survey Open-File Report 78-309, 37 p.

422. Healey, D.L., Wahl, R.R., and Currey, F.E., 1980, Bouguer gravity map of Nevada, Goldfield and Mariposa sheets: Nevada Bureau of Mines and Geology, Map 68, scale 1:250,000.

423. Healey, D.L., Wahl, R.R., and Currey, F.E., 1980, Complete Bouguer gravity map of the Tonopah 1 x 2 degree quadrangle, Nevada: U.S. Geological Survey Open-File Report 80-611, 91 p.

424. Healey, D.L., Wahl, R.R., and Currey, F.E., 1981, Principal facts, accuracies, sources, and base station descriptions for gravity stations in the Nevada part of the Goldfield and Mariposa 2 degree sheets: U.S. Geological Survey report USGS-474-311, 12 p.

425. Healey, D.L., Wahl, R.R., Currey, F.E., and Stephens, W.E., 1978, Complete Bouguer gravity map of the Nevada part of the Death Valley 1 degree by 2 degree sheet: U.S. Geological Survey report USGS-474-263, 7 p.

426. Healey, D.L., Wahl, R.R., Currey, F.E., and Stephens, W.E., 1979, Complete bouguer gravity map of the Caliente 1 degree by 2 degree sheet, Nevada and Utah: U.S. Geological Survey report USGS-474-305, 76 p.

427. Healey, D.L., Wahl, R.R., and Oliver, H.W., 1980, Bouguer gravity map of Nevada, Death Valley sheet: Nevada Bureau of Mines and Geology, Map 69, scale 1:250,000.

428. Healy, J.H., Hamilton, R.M., and Raleigh, C.B., 1970, Earthquakes induced by fluid injection and explosion: Tectonophysics, v. 9, p. 205-214.

429. Healy, J.H., and Marshall, P.T., 1970, Nuclear explosions and distant earthquakes; a search for correlations: Science, v. 169, p. 176-177.

430. Hedlund, D.C., and Corchary, G.S., 1969, Preliminary lithology of drill hole UCe-1, Central Nevada Supplementary Test Site: U.S. Geological Survey report USGS-474-1, 3 p. [Central Nevada-12]

431. Hinrichs, E.N., 1968, Geologic map of the Camp Desert Rock quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-726, scale 1:24,000. [NTS-180]

432. Hinrichs, E.N., 1968, Geologic structure of Yucca Flat area, Nevada, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 239-246.

433. Hinrichs, E.N., 1973, The stratigraphic section on Balloon Hill, Nevada Test Site: U.S. Geological Survey report USGS-474-177, 14 p. [NTS-252]

434. Hinrichs, E.N., and Gibbons, A.B., 1962, Geologic map of the Whiterock Springs quadrangle, Nye County, Nevada: U.S. Geological Survey Open-File Report.

435. Hinrichs, E.N., Krushensky, R.D., and Luft, S.J., 1967, Geologic map of the Ammonia Tanks quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-638, scale 1:24,000. [TEI-856]

436. Hinrichs, E.N., and McKay, E.J., 1965, Geologic map of the Plutonium Valley quadrangle, Nye and Lincoln Counties, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-384, scale 1:24,000. [TEI-825]

437. Hinrichs, E.N., and Orkild, P.P., 1961, Eight members of the Oak Spring Formation, Nevada Test Site and vicinity, Nye and Lincoln Counties, Nevada, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-D, p. D96-D103.

438. Hite, R.J., 1977, Subsurface geology of the waste emplacement site, Salt Valley anticline, Grand County, Utah: U.S. Geological Survey Open-File Report 77-761, 26 p.

439. Hite, R.J., and Lohman, S.W., 1973, Geologic appraisal of Paradox basin salt deposits for waste emplacement: U.S. Geological Survey Open-File Report, 75 p.

440. Hodson, J.N., and Hoover, D.L., 1978, Geology and lithologic log for drill hole UE17a, Nevada Test Site: U.S. Geological Survey report USGS-1543-1, 17 p.

441. Hood, J.W., 1961, Water wells in Frenchman and Yucca Valleys, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 60 p. [TEI-788]

442. Hoover, D.L., 1968, Genesis of zeolites, Nevada Test Site, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 275-284.

443. Hoover, D.L., 1968, Lithologic log of drill hole UCe-17, and general geology of the UCe-17 area, Hot Creek Valley, Nevada: U.S. Geological Survey report USGS-474-258, 14 p. [Central Nevada-13]

444. Hoover, D.L., Eckel, E.B., and Ohl, J.P., 1978, Potential sites for a Spent Unreprocessed Fuel Facility (SURFF), southwestern part of the Nevada Test Site: U.S. Geological Survey Open-File Report 78-269, 18 p.

445. Hoover, D.L., Hedlund, D.C., and Snyder, R.P., 1969, Lithologic logs of the UCe-2, and UCe-16 drill holes, Stone Cabin and Monitor Valleys, Nye County, Nevada: U.S. Geological Survey report USGS-474-9, 14 p. [Central Nevada-27]

446. Hoover, D.L., and Magner, J.E., 1990, Geology of the Rainier Mesa-Aqueduct Mesa tunnel areas--U12n tunnel: U.S. Geological Survey Open-File Report 90-623, 51 p.

447. Hoover, D.L., Swadley, W C, and Gordon, A.C., 1981, Correlation characteristics of surficial deposits with a description of surficial stratigraphy in the Nevada Test Site region: U.S. Geological Survey Open-File Report 81-512, 27 p.

448. Hoover, D.L., and Trudeau, D.A., 1987, High fluid levels in drill holes, Yucca Flat, Nevada Test Site, *in* Olsen, C.W., Donohue, M.L., and Wander, Sandra, eds., Fourth Symposium on Containment of Underground Nuclear Explosions, Proceedings: Lawrence Livermore National Laboratory Report CONF-870961, v. 2, p. 363-372.

449. Houser, F.N., 1961, Lithologic logs of three exploratory core holes, U15b area, Climax stock, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 67 p. [TEI-792]

450. Houser, F.N., 1962, Outline of geology of the U12k and U12k.01 tunnels, Area 12, Nevada Test Site: U.S. Geological Survey Open-File Report, 32 p. [TEI-817]

451. Houser, F.N., 1968, Application of geology to underground nuclear testing, Nevada Test Site, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 21-33.

452. Houser, F.N., 1969, Seismic signals preceding collapse at U3ct, Nevada Test Site: U.S. Geological Survey report USGS-474-21, Rev. 1, 30 p. [NTS- 214, rev. 1]

453. Houser, F.N., 1969, A summary of information and ideas regarding sinks and collapse, Nevada Test Site: U.S. Geological Survey report USGS-474-41, 123 p. [NTS-216]

454. Houser, F.N., 1969, Subsidence related to underground nuclear explosions, Nevada Test Site: Seismological Society of America Bulletin, v. 59, no. 6, p. 2231-2251.

455. Houser, F.N., 1970, Near-surface sink structure, Nevada Test Site: U.S. Geological Survey report USGS-474-36, Rev. 1, 24 p. [NTS-217, rev. 1]

456. Houser, F.N., 1970, A summary of information and ideas regarding sinks and collapse, Nevada Test Site: U.S. Geological Survey report USGS-474-41, 123 p. [NTS-216]

457. Houser, F.N., 1970, Sequence of surface movement and fracturing during sink subsidence, Nevada Test Site: U.S. Geological Survey report USGS-474-56, 38 p. [NTS-219]

458. Houser, F.N., Davis, R.E., and Emerick, W.L., 1961, Geologic reconnaissance of granitic intrusive masses at Gold Meadows, Tem Piute, and Trappman's Camp, Lincoln and Nye Counties, Nevada, and comparison with the Climax stock at the Nevada Test Site: U.S. Geological Survey Open-File Report, 20 p. [TEI-793]

459. Houser, F.N., and Eckel, E.B., 1962, Possible engineering uses of subsidence induced by contained underground nuclear explosions, *in* Geological Survey Research 1962: U.S. Geological Survey Professional Paper 450-C, p., C17-C18.

460. Houser, F.N., and Emerick, W.L., 1964, Preliminary structural analysis of explosion produced fractures, Hardhat event, Area 15, Nevada Test Site, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 501-C, p. C100-C102.

461. Houser, F.N., and Poole, F.G., 1959, "Granite" exploration hole, Area 15, Nevada Test Site, Nye County, Nevada--interim report, part A, Structural, petrographic, and chemical data: U.S. Geological Survey Open-File Report, 20 p. [TEM-836]

462. Houser, F.N., and Poole, F.G., 1959, Lithologic log and drilling information for the Marble exploration hole 3, U15 Area, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 22 p. [TEM-1031]

463. Houser, F.N., and Poole, F.G., 1960, Preliminary geologic map of the Climax stock and vicinity, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-328, scale 1:4,800.

464. Houser, F.N., and Poole, F.G., 1960, Structural features of pyroclastic rocks of the Oak Spring Formation at the Nevada Test Site, Nye County, Nevada, as related to the topography of the underlying surface, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B p. B266-B268.

465. Houser, F.N., and Poole, F.G., 1961, Age relations of the Climax composite stock, Nevada Test Site, Nye County, Nevada, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-B, p. B176-B177.

466. Hudson, M.R., 1989, Paleomagnetic evaluation of the Yucca-Frenchman flexure, southern Nevada, *in* Olsen, C.W., and Carter, J.A., eds., Fifth Symposium on Containment of Underground Nuclear Explosions--Vol. 2: Mission Research Corp. Report CONF-8909163, p. 417-430.

467. Humphreys, C.P., Jr., and Taylor, R.E., 1979, Streamflow in Lower Little Creek Basin affected by the Salmon Event, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-299, 14 p. [Dribble-43, 1965]

468. Hurr, R.T., Wilson, W.W., Welder, F.A., and Emerson, R.L., 1969, Records of selected wells and springs in the Rulison Project area, Garfield and Mesa Counties, Colorado: U.S. Geological Survey report USGS-474-40, 17 p. [Rulison-2]

469. Izett, G.A., 1960, "Granite" exploration hole, Area 15, Nevada Test Site, Nye County, Nevada--interim report, part C, Physical properties: U.S. Geological Survey Open-File Report, 37 p. [TEM-836-C]

470. Jahren, C.E., and Bath, G.D., 1967, Rapid estimation of induced and remanent magnetism in volcanic rocks, Nevada Test Site: U.S. Geological Survey Open-File Report, 29 p.

471. Jansma, P.E., Snyder, D.B., and Ponce, D.A., 1982, Principal facts of gravity stations with gravity and magnetic profiles from the southwest Nevada Test Site, Nye County, Nevada, as of January 1982: U.S. Geological Survey Open-File Report 82-1041, 43 p.

472. Janzer, V.J., Robinson, B.P., and Rucker, S.J., 1967, Radiochemical analyses of ground-water samples collected after the Salmon event in the vicinity of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-117, 86 p. [Dribble-47, 1965]

473. Janzer, V.J., Robinson, B.P., and Rucker, S.J., 1971, Radiochemical analyses of water samples collected after the Salmon event in the vicinity of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-115, 32 p. [Dribble-44, 1965]

474. Janzer, V.J., and Rucker, S.J., 1979, Radiochemical analyses of water samples collected postshot in the vicinity of Tatum dome, Mississippi: U.S. Geological Survey report USGS-474-298, 13 p. [Dribble-42, 1965]

475. Jenkins, E.C., 1969, Summary geologic report on the UE20p exploratory hole, Area 20, Pahute Mesa, Nevada Test Site: U.S. Geological Survey repot USGS-474-15, 19 p. [Special Studies-75]

476. Jenkins, E.C., 1970, Revised lithologic log of Pahute Mesa exploratory drill hole No. 1, Nevada Test Site: U.S. Geological Survey report USGS-474-96, 4 p. [Special Studies-85]

477. Jenkins, E.C., 1973, Surface fracturing of the Carpetbag event, Yucca Flat, Nevada Test Site, Nevada: U.S. Geological Survey report USGS-474-160, 15 p. [NTS-233]

478. Jenne, E.A., 1979, Chemical characterization of selected core samples from the vicinity of Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-291, 13 p. [Dribble-35, 1963]

479. Johnson, A.I., and Ludwig, A.H., 1979, Hydrologic and physical properties of cores from hydrologic test sites 1 and 2, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-296, 47 p. [Dribble-40, 1964]

480. Johnson, M.S., and Hibbard, D.E., 1957, Geology of the Atomic Energy Commission Nevada Proving Grounds area, Nevada: U.S. Geological Survey Bulletin 1021-K, p. K333-K384.

481. Johnson, R.B., and Ege, J.R., 1964, Geology of the Pluto site, Area 401, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 127 p. [TEI-841]

482. Johnston, R.H., 1968, U.S. Geological Survey tracer study, Amargosa Desert, Nye County, Nevada; Part 1: Exploratory drilling, tracer well construction and testing, and preliminary findings: U.S. Geological Survey Open-File Report, 64 p.

483. Jones, B.F., 1982, Mineralogy of fine grained alluvium from borehole U11g, Expl. 1, northern Frenchman Flat area, Nevada Test Site: U.S. Geological Survey Open-File Report 82-765, 10 p.

484. Jones, C.L., 1960, Thickness, character, and structure of upper Permian evaporites in part of Eddy County, New Mexico: U.S. Geological Survey Open-File Report, 19 p. [TEM-1033]

485. Jones, C.L., 1973, Salt deposits of Los Medanos area, Eddy and Lea Counties, New Mexico, *with sections on* Ground-water hydrology, by M.E. Cooley: U.S. Geological Survey Open-File Report, 67 p.

486. Jones, C.L., 1974, Salt deposits of the Clovis-Portales area, east-central New Mexico: U.S. Geological Survey Open-File Report 74-60, 22 p.

487. Jones, C.L., 1974, Salt deposits of the Mescalero Plains area, Chaves County, New Mexico: U.S. Geological Survey Open-File Report 74-190, 21 p.

488. Jones, C.L., 1975, Potash resources in part of Los Medanos area of Eddy and Lea Counties, New Mexico: U.S. Geological Survey Open-File Report 75-407, 37 p.

489. Jones, C.L., 1978, Test drilling for potash resources: Waste Isolation Pilot Plant site, Eddy County, New Mexico, Vols. 1 and 2: U.S. Geological Survey Open-File Report 78-592, 410 p.

490. Jones, C.L., 1981, Geologic data for borehole ERDA-6, Eddy County, New Mexico: U.S. Geological Survey Open-File Report 81-468, 59 p.

491. Jones, C.L., 1981, Geologic data for borehole ERDA-9, Eddy County, New Mexico: U.S. Geological Survey Open-File Report 81-469, 50 p.

492. Jones, C.L., 1982, Salt dissolution and deformation studies, *in* U.S. Geological Survey research in radioactive waste disposal--fiscal year 1979: U.S. Geological Survey Circular 847, p. 12-15.

493. Jones, C.L., and Gonzales, J.L., 1980, Geologic data for borehole WIPP 19, *in* Basic data report for drillhole WIPP 19 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0276, p. 6-25.

494. Jones, C.L., and Gonzales, J.L., 1980, Geologic data for borehole WIPP 22, *in* Basic data report for drillhole WIPP 22 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0278, p. 6-19.

495. Jones, C.L., and McIntyre, A.F., 1979, Geologic data for borehole WIPP-27, *in* Basic data report for drillhole WIPP-27 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0281, p. 5-18.

496. Kachadoorian, Reuben, 1960, Engineering geology bearing on harbor site selection along the Gulf of Alaska from Point Whitshed to Cape Yakataga, Alaska: U.S. Geological Survey Open-File Report, 32 p. [TEI-642]

497. Kachadoorian, Reuben, 1961, Geologic aspects of the November 1960 high-explosive test at the Project Chariot site, northwestern Alaska: U.S. Geological Survey Open-File Report, 15 p. [TEI-784]

498. Kachadoorian, Reuben, 1961, Geologic results of November 1960 Project Chariot high-explosive cratering experiment, Cape Thompson, Alaska, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-D, p. D368-D371.

499. Kachadoorian, Reuben, 1966, Engineering geology of the Chariot site, chap. 5 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p. 85-96.

500. Kachadoorian, Reuben, 1966, Geographic setting, chap. 3 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p. 45-56.

501. Kachadoorian, Reuben, Campbell, R.H., Moore, G.W., Cole, J.Y., Lachenbruch, A.H., Greene, G.W., Barnes, D.F., Waller, R.M., Lamar, W.L., and Slaughter, M.J., 1960, Geologic investigations in support of Project Chariot in the vicinity of Cape Thompson, northwestern Alaska--Preliminary report: U.S. Geological Survey Open-File Report, 94 p. [TEI-753]

502. Kachadoorian, Reuben, Campbell, R.H., Moore, G.W., Scholl, D.W., Lachenbruch, A.H., Greene, G.W., Marshall, B.V., Barnes, D.F., Allen, R.V., Waller, R.M., and Slaughter, M.J., 1961, Geologic investigations in support of Project Chariot, Phase III, in the vicinity of Cape Thompson, northwestern Alaska--Preliminary report: U.S. Geological Survey Open-File Report, 104 p. [TEI-779]

503. Kachadoorian, Reuben, Campbell, R.H., Sainsbury, C.L., Scholl, D.W., Slaughter, M.J., and Porterfield, George, 1958, Geology of the Ogotoruk Creek area, northwestern Alaska: U.S. Geological Survey Open-File Report, 43 p. [TEM-976]

504. Kachadoorian, Reuben, Lachenbruch, A.H., Moore, G.W., and Waller, R.M., 1960, Supplementary report on geologic investigations in support of Phase II, Project Chariot, in the vicinity of Cape Thompson, northwestern Alaska: U.S. Geological Survey Open-File Report, 30 p. [TEI-764]

505. Kane, M.F., Webring, M.W., and Bhattacharyya, B.K., 1981, A preliminary analysis of gravity and aeromagnetic surveys of the Timber Mountain area, southern Nevada: U.S. Geological Survey Open-File Report 81-189, 40 p.

506. Keller, G.R., Rogers, A.M., and Lund, R.J., 1981, A seismicity and seismotectonic study of the Kermit seismic zone, Texas: U.S. Geological Survey Open-File Report 81-37, 383 p.

507. Keller, G.V., 1960, Physical properties of tuffs of the Oak Spring Formation, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B, p. B396-B400.

508. King, K.W., Hays, W.W., and McDermott, P.J., 1983, Wasatch Front urban area seismic response data report: U.S. Geological Survey Open-File Report 83-452, 68 p.

509. Kistler, R.W., 1968, Potassium-argon ages of volcanic rocks in Nye and Esmeralda Counties, Nevada, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 251-262.

510. Koopman, F.C., and Ballance, W.C., 1967, Hydrologic tests in hole GB-1, Project Gasbuggy, Rio Arriba County, New Mexico: U.S. Geological Survey Open-File Report, 34 p.

511. Koopman, F.C., and Ballance, W.C., 1968, Hydrologic tests in hole GB-2, Project Gasbuggy, Rio Arriba County, New Mexico: U.S. Geological Survey Open-File Report, 10 p.

512. Koopman, F.C., Johnson, A.I., Armstrong, C.A., and Taylor, R.E., 1979, Results of aquifer tests at hydrologic test sites 1 and 2, Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-289, 31 p. [Dribble-32, 1963]

513. Lachenbruch, A.H., Greene, G.W., and Marshall, B.V., 1966, Permafrost and the geothermal regimes, chap. 10 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p.164.

514. Lamar, W.L., 1966, Chemical character and sedimentation of the waters, chap. 9 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p. 133-148.

515. Lang, J.W., 1971, Hydrologic studies, Project Dribble, Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-128, 15 p. [Dribble-9, 1961]

516. Lang, J.W., and Harvey, E.J., 1979, Well records and quality of water in the Tatum dome area, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-287, 5 p. [Dribble-30, 1963]

517. Laraway, W.H., and Houser, F.N., 1962, Outline of geology of the U12j and the U12j.01 tunnels, Nevada Test Site: U.S. Geological Survey Open-File Report, 12 p. [TEI-828]

518. Larson, J.D., and Beetem, W.A., 1970, Chemical and radiochemical analyses of water from streams, reservoirs, wells and springs in the Rulison Project area, Garfield and Mesa Counties, Colorado: U.S. Geological Survey report USGS-474-67, 16 p. [Rulison-4]

519. Larson, J.D., and Weir, J.E., Jr., 1969, Inventory of springs in the Morey Peak area of central Nevada: U.S. Geological Survey report USGS-474-19, 22 p. [Central Nevada-29]

520. Lee, F.T., and Nichols, T.C., Jr., 1972, Stress changes in rock from the Jorum underground nuclear explosion, September 16, 1969, Pahute Mesa, Nevada Test Site: Seismological Society of America Bulletin, v. 62, no. 2, p. 609-618.

521. Lee, W.H., 1969, Lithologic log of emplacement drill hole UA-1, from 5,000 to 6,000 feet, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-4, 3 p. [Amchitka-6-3]

522. Lee, W.H., 1969, Physical property data from drill hole UAe-3, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-6, 11 p. [Amchitka-8-2]

523. Lee, W.H., 1969, Preliminary lithologic log of drill hole UAe-3, from 0 to 4,816 feet, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-50, 3 p. [Amchitka-8]

524. Lee, W.H., 1969, Preliminary lithologic log of drill hole UAe-3, from 4,800 to 7,012 feet, Amchitka Island, Alaksa: U.S. Geological Survey report USGS-474-51, 4 p. [Amchitka-8-1]

525. Lee, W.H., 1969, Some physical properties in rocks in drill hole UAe-2, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-5, 12 p. [Amchitka-10-2]

526. Lee, W.H., 1969, Some physical properties of rocks in drill hole UAe-1, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-48, 13 p. [Amchitka-6-2]

527. Lee, W.H., 1969, Some physical properties of rocks in drill hole UAe-6c, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-33, 13 p. [Amchitka-11-1]

528. Lee, W.H., and Gard, L.M., Jr., 1971, Summary of the subsurface geology of the Cannikin site, Amchitka Island, Alaska: U.S.Geological Survey report USGS-474-132, 19 p. [Amchitka-6-4]

529. Lee, W.H., and Morris, R.H., 1969, Preliminary lithologic log of drill hole UAe-1 from 5,000 to 7,000 feet, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-47, 3 p. [Amchitka-6-1]

530. Likes, E.H., 1966, Surface-water discharge of Ogotoruk Creek, chap. 8 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p. 125-131.

531. Lipman, P.W., 1964, A welded-tuff dike in southern Nevada, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 501-B, p. B79-B81.

532. Lipman, P.W., 1965, Chemical comparison of glassy and crystalline volcanic rocks: U.S. Geological Survey Bulletin 1201-D, p. D1-D23.

533. Lipman, P.W., 1966, Water pressures during differentiation and crystallization of some ash-flow magmas from southern Nevada: American Journal of Science, v. 264, no. 10, p. 810-826.

534. Lipman, P.W., and Christiansen, R.L., 1964, Zonal features of an ash-flow sheet in the Piapi Canyon Formation, southern Nevada, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 501-B, p. B74-B78.

535. Lipman, P.W., Christiansen, R.L., and O'Connor, J.T., 1966, A compositionally zoned ash-flow sheet in southern Nevada: U.S. Geological Survey Professional Paper 524-F, p. F1-F47.

536. Lipman, P.W., and McKay, E.J., 1965, Geologic map of the Topopah Spring SW quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-439, scale 1:24,000. [TEI-846]

537. Lipman, P.W., Quinlivan, W.D., Carr, W.J., and Anderson, R.E., 1966, Geologic map of the Thirsty Canyon SE quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-489, scale 1:24,000. [TEI-859]

538. Lockwood, W.N., 1979, Hydrogeology at hydrologic test well HT-3 and correlation of aquifers at Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-295, 22 p. [Dribble-39, 1964]

539. Luft, S.J., 1964, Mafic lavas of Dome Mountain, Timber Mountain caldera, southern Nevada, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 501-D, p. D14-D21.

540. Maldonado, Florian, 1977, Composite postshot fracture map of Pahute Mesa, Nevada Test Site, June 1973 through March 1976: U.S. Geological Survey report USGS-474-243, 8 p. [Special Studies-95]

541. Maldonado, Florian, 1977, Explosion-induced fractures of selected announced underground nuclear tests, Yucca Flat, Nevada Test Site, Nevada, January through December 1975: U.S. Geological Survey report USGS-474-234, 25 p. [NTS-239]

542. Maldonado, Florian, 1977, Results from fault-monitoring stations on Pahute Mesa, Nevada Test Site, from July 1973 through December 1976: U.S. Geological Survey report USGS-474-242, 29 p. [Special Studies-94]

543. Maldonado, Florian, 1977, Summary of the geology and physical properties of the Climax stock, Nevada Test Site: U.S. Geological Survey Open-File Report 77-356, 25 p.

544. Maldonado, Florian, Steele, S.G., and Townsend, D.R., 1979, Supplementary lithologic logs of selected vertical drill holes in Area 12, Nevada Test Site: U.S. Geological Survey report USGS-474-261, 61 p.

545. Manger, G.E., 1963, Porosity and bulk density of sedimentary rocks: U.S. Geological Survey Bulletin 1144-E, p. E1-E55. [TEI-820]

546. Manger, G.E., 1965, The best value of porosity of lapilli tuff from the Nevada Test Site, *in* Geological Survey Research 1965: U.S. Geological Survey Professional Paper 525-B, B146-B150.

547. Marvin, R.F., Byers, F.M., Jr., Mehnert, H.H., Orkild, P.P., and Stern, T.W., 1970, Radiometric ages and stratigraphic sequence of volcanic and plutonic rocks, southern Nye and western Lincoln Counties, Nevada: Geological Society of America Bulletin, v. 81, p. 2657-2676.

548. McKague, H.L., Orkild, P.P., and Mattson, S.R., 1989, The geology of the Nevada Test Site and surrounding area; 28th International Geological Congress Field Trip Guidebook T186: American Geophysical Union, 31 p.

549. McKay, E.J., and Sargent, K.A., 1970, Geologic map of the Lathrop Wells quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-883, scale 1:24,000. [TEI-864]

550. McKay, E.J., and Williams, W.P., 1964, Geology of the Jackass Flats quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-368, scale 1:24,000. [TEI-843]

551. McKeown, F.A., 1972, Buried pressurized cavity model of venting from nuclear explosion cavities: U.S. Geological Survey report USGS-474-146, 40 p. [NTS-236]

552. McKeown, F.A., 1975, Relation of geologic structure to seismicity at Pahute Mesa, Nevada Test Site: Seismological Society of America Bulletin, v. 65, no. 3, p. 747-764.

553. McKeown, F.A., and Dickey, D.D., 1960, Some relations between geology and effects of underground nuclear explosions at Nevada Test Site, Nye County, Nevada, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B, p. B415-B418.

554. McKeown, F.A., and Dickey, D.D., 1961, Interim report on geologic investigations of the U12e tunnel system, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 17 p. [TEI-772]

555. McKeown, F.A., and Dickey, D.D., 1969, Fault displacements and motion related to nuclear explosions: Seismological Society of America Bulletin, v. 59, no. 6, p. 2253-2269.

556. McKeown, F.A., Dickey, D.D., and Ellis, W.L., 1970, Preliminary report on the geologic effects of the Faultless event: U.S. Geological Survey report USGS-474-65, 20 p. [Central Nevada-16]

557. McKeown, F.A., Healey, D.L., and Miller, C.H., 1976, Geologic map of the Yucca Lake quadrangle, Nye County, Nevada, with inferred surface and structure of buried pre-Cenozoic rocks: U.S. Geological Survey Geologic Quadrangle map GQ-1327, scale 1:24,000.

558. McKeown, F.A., Houser, F.N., Dickey, D.D., Poole, F.G., Stewart, S.W., and Clebsch, Alfred, Jr., 1959, Preliminary report on the geologic effects of Logan underground test, U12e.02 tunnel, Rainier Mesa, Nye County, Nevada: U.S. Geological Survey Open-File Report, 30 p. [TEM-986]

559. McKeown, F.A., and Wilmarth, V.R., 1959, Geology of the Marble exploration hole 4, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 26 p. [TEM-1036]

560. McKeown, F.A., Young, R.A., Williams, W.P., and Brethauer, G.E., 1977, Geologic effects of the Long Shot explosion, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-245, 46 p. [Long Shot-3]

561. Mercer, J.W., 1968, Inventory of wells and springs within a 10-mile radius of Project Gasbuggy, Rio Arriba County, New Mexico: U.S. Geological Survey Open-File Report, 12 p.

562. Mercer, J.W., 1970, Hydrology of Project Gasbuggy site, Rio Arriba County, New Mexico: U.S. Atomic Energy Commission Report PNE-1013, 41 p.

563. Mercer, J.W., 1983, Geohydrology of the proposed Waste Isolation Pilot Plant site, Los Medanos area, southeastern New Mexico: U.S. Geological Survey Water-Resources Investigations Report 83-4016, 113 p.

564. Mercer, J.W., 1984, Waste Isolation Pilot Plant, New Mexico, *in* U.S. Geological Survey research in radioactive waste disposal--fiscal year 1982: U.S. Geological Survey Water-Resources Investigations Report 84-4205, p. 32.

565. Merewether, E.A., Sharps, J.A., Gill, J.R., and Cooley, M.E., 1973, Shale, mudstone, and claystone as potential host rocks for underground emplacement of wastes: U.S. Geological Survey Open-File Report, 44 p.

566. Miller, C.H., 1976, A method for stress determination in N, E, and T tunnels, Nevada Test Site, by hydraulic fracturing, with a comparison of overcoring methods: U.S. Geological Survey report USGS-474-222, 10 p. [Area 12-43]

567. Miller, C.H., and Bath, G.D., 1969, Gravity map of Amchitka and nearby islands, Alaska: U.S. Geological Survey Geophysical Investigations Map GP-693, scale 1:250,000.

568. Miller, C.H., Cunningham, D.R., and Cunningham, M.J., 1975, An air injection technique to study intensity of fracturing around a tunnel in volcanic rocks: Association of Engineering Geologists Bulletin, v. 11, no. 3, p. 203-217.

569. Miller, C.H., and Healey, D.L., 1986, Gravity interpretation of Frenchman Flat and vicinity, Nevada Test Site: U.S. Geological Survey Open-File Report 86-211, 36 p.

570. Miller, C.H., Healey, D.L., and Currey, F.E., 1974, Gravity map of the northern Nellis Air Force Bombing and Gunnery Range, Nevada: U.S. Geological Survey Geophysical Investigations map GP-902, scale 1:125,000.

571. Miller, C.H., Kibler, J.D., and Ege, J.R., 1975, A new permanent-installation device for monitoring stress changes in NX core holes: U.S. Geological Survey report USGS-474-214, 51 p. [Special Projects-39]

572. Miller, C.H., Kibler, J.D., and Tuttle, T.J., 1969, Reconnaissance gravity survey on the Rat Islands, with emphasis on Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-49, 10 p. [Amchitka-7]

573. Miller, C.H., and Magner, J.E., 1978, Nomograph for determining true geologic bed thickness in horizontal drill holes and in tunnels: Association of Engineering Geologists Bulletin, v. 15, no. 4, p. 383-386.

574. Miller, C.H., and Miller, D.R., 1977, Orientation of explosion-induced surface fractures compared with preexplosion fractures and in situ stress measurements: Bulletin of the Association of Engineering Geologists, v. 14, no. 1, p. 27-37.

575. Miller, C.H., Miller, D.R., Ellis, W.L., and Ege, J.R., 1975, Determination of in situ stress at U12e.18 working point, Rainier Mesa, Nevada Test Site: U.S. Geological Survey report USGS-474-217, 18 p. [Area 12-42]

576. Minor, S.A., 1989, Paleostress investigation near Rainier Mesa, Nevada Test Site, *in* Olsen, C.W., and Carter, J.A., eds., Fifth Symposium on Containment of Underground Nuclear Explosions–Vol. 2: Mission Research Corp. Report CONF-8909163, p. 457-482.

577. Moench, R.H., 1965, Structural geology of the southern part of the Amargosa Desert and vicinity: U.S. Geological Survey report USGS-474-253, 21 p. [NTS-106]

578. Monfort, M. E., and Evans, J.R.,1982, Three-dimensional modeling of the Nevada Test Site and vicinity from teleseismic P-wave residuals: U.S. Geological Survey Open-File Report 82-409, 66 p.

579. Monsen, S.A., Carr, M.D., Reheis, M.C., and Orkild, P.P., 1990, Geologic map of Bare Mountain, Nye County, Nevada: U.S. Geological Survey Open-File Report 90-25, scale 1:24,000.

580. Moore, G.W., 1958, Description of core from AEC drill hole No. 1, Project Gnome, Eddy County, New Mexico: U.S. Geological Survey Open-File Report, 27 p. [TEM-927]

581. Moore, G.W., 1966, Arctic beach sedimentation, chap. 22 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p. 587-608.

582. Moore, J.E., 1961, Records of wells, test holes, and springs in the Nevada Test Site and surrounding area: U.S. Geological Survey Open-File Report, 45 p. [TEI-781]

583. Moore, J.E., 1962, Selected logs and drilling records of wells and test holes drilled at the Nevada Test Site prior to 1960: U.S. Geological Survey Open-File Report, 54 p. [TEI-804]

584. Moore, J.E., Doyle, A.C., Walker, G.E., and Young, R.A., 1963, Ground water test well 2, Nevada Test Site, Nye County, Nevada, *with a section on* Geophysical logs, by R.D. Carroll: U.S. Geological Survey Open-File Report, 73 p. [TEI-836]

585. Moore, J.E., and Garber, M.S., 1962, Ground water test well B, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 39 p. [TEI-808]

586. Morey, G.W., 1959, The action of heat and of superheated steam on the tuff of the Oak Spring Formation: U.S. Geological Survey Open-File Report, 13 p. [TEI-729]

587. Morris, R.H., 1969, Preliminary lithologic log of drill hole UAe-6c, from 0 to 6,999 feet, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-54, 3 p. [Amchitka-11]

588. Morris, R.H., 1970, A preliminary study of relict marine terraces of the western Aleutian Islands, Alaska: U.S. Geological Survey report USGS-474-62, 19 p. [Amchitka-18]

589. Morris, R.H., 1971, Marine terraces of the western Aleutian Islands, Alaska: U.S. Geological Survey report USGS-474-139, 18 p. [Amchitka-30]

590. Morris, R.H., 1973, Topographic and isobase maps of the Cannikin sink, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-125, 4 p. [Amchitka-36]

591. Morris, R.H., and Bucknam, R.C., 1972, Geomorphic evidence of late Holocene veritcal stability in the Aleutian Islands, Alaska: Seismological Society of America Bulletin, v. 62, no. 6, p. 1365-1375.

592. Morris, R.H., Carter, W.D., and Orkild, P.P., 1970, Preliminary analysis of infrared imagery, Pahute Mesa area, Nevada Test Site, NASA site 52: U.S. Geological Survey Open-File Report, 5 p.

593. Morris, R.H., Gard, L.M., Jr., and Snyder, R.P., 1972, Visible geologic effects of the Cannikin event: Seismological Society of America Bulletin, v. 62, no. 6, p. 1519-1526.

594. Muller, D.C., and Brethauer, G.E., 1978, A method for obtaining confidence-limit values for seismic velocities calculated from vibroseis data: U.S. Geological Survey report USGS-474-255, 12 p. [Special Projects-42]

595. Munroe, R.J., and Moses, T.H., Jr., 1968, Temperature data from exploratory boreholes at the Supplemental Test Site, Central Nevada, interim report: U.S. Geological Survey Open-File Report, 15 p.

596. Mytton, J.W., 1973, Two salt structures in Arizona--The Supai salt basin and the Luke salt body: U.S. Geological Survey Open-File Report, 40 p.

597. Naeser, C.W., and Maldonado, Florian, 1981, Fission-track dating of the Climax and Gold Meadows stocks, Nye County, Nevada, *in* Short Contributions to Geochronology: U.S. Geological Survey Professional Paper-1199-E, p. 45-47 (supersedes Open-File Report 78-419).

598. Navarro, R., Sembera, E.D., Jungblut, W.L., 1977, Catalog of seismic records obtained in support of the ERDA Nevada Operations Office, October 1963 thru June 1976: U.S. Geological Survey report USGS-474-183 (formerly Open-File Report 77-653), 179 p.

599. Navarro, R., Wuollet, G.M., and Bradley, B.R., 1977, Catalog of seismograph stations operated in support of the ERDA Nevada Operations Office, January 1964 thru June 1976: U.S. Geological Survey report USGS-474-182 (formerly Open-File Report 77-404), 73 p.

600. Noble, D.C., 1965, Gold Flat Member of the Thirsty Canyon Tuff--A pantellerite ash-flow sheet in southern Nevada, *in* Geological Survey Research 1965: U.S. Geological Survey Professional Paper 525-B, p. B85-B90.

601. Noble, D.C., 1966, Structural state of relict calcium-bearing plagioclases of volcanic origin from metamorphosed and propylitically altered rocks: Geological Society of America Bulletin, v. 77, no. 5, p. 495-507.

602. Noble, D.C., 1967, Sodium, potassium and ferrous iron contents of some secondarily hydrated natural silicic glasses: American Mineralogist, v. 52, nos. 1-2, p. 280-286.

603. Noble, D.C., 1968, Kane Springs Wash volcanic center, Lincoln County, Nevada, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 109-116.

604. Noble, D.C., 1968, Systematic variation in the major-element chemical composition of comenditic and pantelleritic liquids: Earth and Planetary Science Letters, v. 4, no. 2, p. 167-172.

605. Noble, D.C., 1970, Loss of sodium from crystallized comendite welded tuffs of the Grouse Canyon Member of the Belted Range Tuff: Geological Society of America Bulletin: v. 81, p. 2677-2688.

606. Noble, D.C., Anderson, R.E., Ekren, E.B., and O'Connor, J.T., 1964, Thirsty Canyon Tuff of Nye and Esmeralda Counties, Nevada, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 475-D, p. D24-D27.

607. Noble, D.C., Bath, G.D., Christiansen, R.L., and Orkild P.P., 1968, Zonal relations and paleomagnetism of the Spearhead and Rocket Wash Members of the Thirsty Canyon Tuff, southern Nevada, *in* Geological Survey Research 1968: U.S. Geological Survey Professional Paper 600-C, p. C61-C65.

608. Noble, D.C., and Christiansen, R.L., 1968, Geologic map of the southwest quarter of the Black Mountain quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-562, scale 1:24,000.

609. Noble, D.C., Haffty, Joseph, and Hedge, C.E., 1969, Strontium and magnesium contents of natural peralkaline silicic glasses and their petrogenetic significance: American Journal of Science, v. 267, no. 5, p. 598-608.

610. Noble, D.C., and Hedge, C.E., 1969, Sr^{87}/Sr^{86} variations within individual ash-flow sheets, *in* Geological Survey Research 1969: U.S. Geological Survey Professional Paper 650-C, p. C133-C139.

611. Noble, D.C., Krushensky, R.D., McKay, E.J., and Ege, J.R., 1967, Geologic map of the Dead Horse Flat quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-614, scale 1:24,000. [TEI-866]

612. Noble, D.C., Sargent, K.A., Mehnert, H.H., Ekren, E.B., and Byers, F.M., Jr., 1968, Silent Canyon volcanic center, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 65-75.

613. Noble, D.C., Smith, V.C., and Peck, L.C., 1967, Loss of halogens from crystallized and glassy silicic volcanic rocks: Geochima et Cosmochimica Acta, v. 31, no. 2, p. 215-223.

614. O'Connor, J.T., 1963, Petrographic characteristics of some welded tuffs of the Piapi Canyon Formation, Nevada Test Site, Nevada, *in* Geological Survey Research 1963: U.S. Geological Survey Professional Paper 475-B, p. B52-B55.

615. O'Connor, J.T., 1965, A classification for quartz-rich igneous rocks based on feldspar ratios, *in* Geological Survey Research 1965: U.S. Geological Survey Professional Paper 525-B, p. B79-B84.

616. O'Connor, J.T., Anderson, R.E., and Lipman, P.W., 1966, Geologic map of the Thirsty Canyon quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-524, scale 1:24,000. [TEI-861]

617. Ohl, J.P., 1970, Bibliography of published reports by U.S. Geological Survey personnel on the geology and hydrology of the Nevada Test Site, 1957-1969: U.S. Geological Survey report USGS-474-88, 60 p. [NTS-220]

618. Ohl, J.P., 1973, Bibliography of published reports by U.S. Geological Survey personnel on the geology and hydrology of the Amchitka Supplementary Test Area, Aleutian Islands, Alaska, 1969-1972: U.S. Geological Survey report USGS-474-164, 1 p. [Amchitka-39]

619. Ohl, J.P., 1973, Bibliography of published reports by U.S. Geological Survey personnel on the geology and hydrology of the Central Nevada Test Area, Nye County, Nevada, 1968-first quarter 1973: U.S. Geological Survey report USGS-474-165, 8 p. [Central Nevada-43]

620. Ohl, J.P., 1977, Bibliography of reports by U.S. Geological Survey personnel on the Nevada Test Site and related subjects, July 1, 1976, to June 30, 1977, with author and subject indexes: U.S. Geological Survey report USGS-474-254, 23 p.

621. Orkild, P.P., 1963, Geologic map of the Tippipah Spring quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-213, scale 1:24,000.

622. Orkild, P.P., 1965, Paintbrush Tuff and Timber Mountain Tuff of Nye County, Nevada, *in* Cohee, G.V., and West, W.S., Changes in stratigraphic nomenclature by the U.S. Geological Survey 1964: U.S. Geological Survey Bulletin 1224-A, p. A44-A51.

623. Orkild, P.P., 1968, Geologic map of the Mine Mountain quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-746, scale 1:24,000. [TEI-854]

624. Orkild, P.P., 1970, Report of exploration progress, Pahute Mesa, period July 31, 1966-January 31, 1968: U.S. Geological Survey report USGS-474-63, 67 p. [Special Studies-I-23-16]

625. Orkild, P.P., 1983, Geology of Nevada Test Site, *in* Hudson, B.C., Jones, E.M., Keller, C.E., and Smith, C.W., compilers, Proceedings of the Monterey Containment Symposium, Monterey, Calif., Aug. 26-28, 1981: Los Alamos National Laboratory Report LA-9211-C, v. 1, p. 323-338.

626. Orkild, P.P., Byers, F.M., Jr., Hoover, D.L., and Sargent, K.A., 1968, Subsurface geology of Silent Canyon caldera, Nevada Test Site, Nevada, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 77-86.

627. Orkild, P.P., and Jenkins, E.C., 1970, Report of exploration progress, Pahute Mesa, period January 31, 1968-July 1, 1969: U.S. Geological Survey report USGS-474-70, 179 p. [Special Studies-I-23-17]

628. Orkild, P.P., and Jenkins, E.C., 1978, Report of exploration progress, Pahute Mesa, October 1, 1969, to December 31, 1976: U.S. Geological Survey report USGS-474-239, 95 p. [Special Studies-I-23-18]

629. Orkild, P.P., and O'Connor, J.T., 1970, Geologic map of the Topopah Spring quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-849, scale 1:24,000.

630. Orkild, P.P., and Pomeroy, J.S., 1961, Geologic reconnaissance of the Topopah Spring and Timber Mountain quadrangles, Nye County, Nevada: U.S. Geological Survey Open-File Report, 20 p. [TEI-757]

631. Orkild, P.P., Sargent, K.A., and Snyder, R.P., 1969, Geologic map of Pahute Mesa, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-567, scale 1:48,000.

632. Palacas, J.G., Snyder, R.P., Baysinger, J.P., and Threlkeld, C.N., 1982, Geochemical analysis of mine seep oils, collapsed breccia pipe oil shows, and selected crude oils, Eddy County, New Mexico: U.S. Geological Survey Open-File Report 82-421, 40 p.

633. Papanek, P.J., and Hamilton, R.M., 1972, A seismicity study along the northern Death Valley-Furnace Creek fault zone, California-Nevada boundary: U.S. Geological Survey report USGS-474-141, 37 p. [Special Studies-90]

634. Pewe, T.L., Hopkins, D.M., and Lachenbruch, A.H., 1959, Engineering geology bearing on harbor site selection along the northwest coast of Alaska from Nome to Point Barrow: U.S. Geological Survey Open-File Report, 59 p. [TEI-678]

635. Piper, A.M., 1966, Potential effects of Project Chariot on local water supplies, northwestern Alaska: U.S. Geological Survey Professional Paper 539, 49 p. [TEI-810]

636. Piper, A.M., 1968, Potential applications of nuclear explosives in development and management of water resources--Preliminary canvass of the ground-water environment: U.S. Geological Survey Open-File Report, 173 p. [TEI-873]

637. Piper, A.M., and Stead, F.W., 1965, Potential applications of nuclear explosives in development and management of water resources--Principles: U.S. Geological Survey Open-File Report, 128 p. [TEI-857]

638. Poole, F.G., 1965, Geologic map of the Frenchman Flat quadrangle Nye, Lincoln, and Clark Counties, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-456, scale 1,24:000. [TEI-848]

639. Poole, F.G., Carr, W.J., and Elston, D.P., 1965, Salyer and Wahmonie Formations of southeastern Nye County, Nevada, *in* Cohee, G.V., and West, W.S., Changes in stratigraphic nomenclature by the U.S. Geological Survey 1964: U.S. Geological Survey Bulletin 1224-A, p. A36-A44.

640. Poole, F.G., Elston, D.P., and Carr, W.J., 1965, Geologic map of the Cane Spring quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-455, scale 1:24,000. [TEI-851]

641. Poole, F.G., Houser, F.N., and Orkild, P.P., 1961, Eleana Formation of Nevada Test Site and vicinity, Nye County, Nevada, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-D, p. D104-D111.

642. Poole, F.G., and McKeown, F.A., 1962, Oak Spring group of the Nevada Test Site and vicinity, Nye, Lincoln, and Clark Counties, Nevada, *in* Geological Survey Research 1962: U.S. Geological Survey Professional Paper 450-C, p. C60-C62.

643. Poole, F.G., Orkild, P.P., Mackenzie, Gordon, Jr., and Duncan, Helen, 1965, Age of the Eleana Formation (Devonian and Mississippian) in the Nevada Test Site, *in* Cohee, G.V., and West, W.S., Changes in stratigraphic nomenclature by the U.S. Geological Survey 1964: U.S. Geological Survey Bulletin 1224-A, p. A51-A53.

644. Poole, F.G., and Roller, J.C., 1960, Summary of some physical data from five vertical drill holes over the U12b.04 (Evans) explosion chamber, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 32 p. [TEI-762]

645. Powers, P.S., and Healey, D.L., 1985, Free-air gradient observations in Yucca Flat, Nevada Test Site: U.S. Geological Survey Open-File Report 85-530, 18 p.

646. Price, C.E., 1960, "Granite" exploration hole, Area 15, Nevada Test Site, Nye County, Nevada--interim report, part B, Hydrologic data: U.S. Geological Survey Open-File Report, 20 p. [TEM-836-B]

647. Price, C.E., and Thordarson, William, 1962, Ground water test well A, Nevada Test Site, Nye County, Nevada; A summary of lithologic data, aquifer tests, and construction: U.S. Geological Survey Open-File Report, 59 p. [TEI-800]

648. Quinlivan, W.D., 1969, Physical properties of 16 surface rock samples from southeastern Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-43, 4 p. [Amchitka-4]

649. Quinlivan, W.D., and Byers, F.M., Jr., 1977, Chemical data and variation diagrams of igneous rocks from the Timber Mountain-Oasis Valley caldera complex, southern Nevada: U.S. Geological Survey Open-File Report 77-724, 9 p.

650. Quinlivan, W.D., Ohl, J.P., and Blackmon, P.D., 1977, Lithologic logs of selected exploratory and emplacement drill holes in Areas 2 and 8, Nevada Test Site: U.S. Geological Survey report USGS-474-227, 76 p. [NTS-251]

651. Quinlivan, W.D., and Rogers, C.L., 1974 (1975), Geologic map of the Tybo quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations map I-821, scale 1:48,000.

652. Quinlivan, W.D., Rogers, C.L., and Dodge, H.W., Jr., 1974, Geologic map of the Portuguese Mountain quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-804, scale 1:48,000.

653. Quinlivan, W.D., Sharps, J.A., Ohl, J.P., and Blackmon, P.D., 1985, Lithologic logs of selected exploratory and emplacement drill holes in Areas 9 and 10, Nevada Test Site: U.S. Geological Survey report USGS-474-319, 66 p. [NTS-265]

654. Rasmussen, W.C., 1963, Final Report--Infiltration velocities at Sedan and Scooter craters--Project Sedan: U.S. Atomic Energy Commission Report PNE-221F, 41 p.

655. Reddy, M.M., Benefiel, M.A., and Claassen, H.C., 1986, Cadmium, copper, lead, and zinc determination in precipitation: A comparison of inductively coupled plasma atomic emission spectrometry and graphite furnace atomic absorption spectrometry: Mikrochimica Acta, v. I, p. 159-170.

656. Reddy, M.M., and Claassen, H.C., 1985, Estimates of average major ion concentrations in bulk precipitation at two high-altitude sites near the Continental Divide in southwestern Colorado: Atmospheric Environment, v. 19, no. 7, p. 1199-1203.

657. Robbins, S. L. and Clutsom, F.G., 1983, Principal facts and density estimates for borehole gravity stations in exploratory wells Ue7h, Ue4a1, and Ue11a at the Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report 83-244, 20 p.

658. Robie, R.A., Bethke, P.M., Beardsley, K.M., 1967, Selected X-ray crystallographic data, molar volumes, and densities of minerals and related substances: U.S. Geological Survey Bulletin 1248, 87 p. [TEI-706]

659. Robinson, B.P., and Beetem, W.A., 1975, Quality of water in aquifers of the Amargosa Desert and vicinity, Nevada: U.S. Geological Survey report USGS-474-21, 63 p. [(NTS-123]

660. Robinson, B.P., Thordarson, William, and Beetem, W.A., 1967, Hydrologic and chemical data for wells, springs and streams in Nevada, Tps. 1-21 N. and Rs. 41-67 E.: U.S. Geological Survey Open-File Report, 61 p. [TEI-871]

661. Robinson, B.P., Young, R.A., and Beetem, W.A., 1969, Water levels and spring discharges from selected wells and springs in Nevada, 1966 and 1967: U.S. Geological Survey Open-File Report, 24 p.

662. Robinson, C.S., Carroll, R.D., and Lee, F.T., 1964, Preliminary report on the geologic and geophysical investigations of the Loveland Basin landslide, Clear Creek County, Colorado: U.S. Geological Survey Open-File Report, 5 p.

663. Rogers, A.M., Wuollet, G.M., and Covington, P.A., 1977, Seismicity of the Pahute Mesa area, Nevada Test Site, 8 October 1975 to 30 June 1976: U.S. Geological Survey report USGS-474-184 (formerly Open-File Report 77-826), 61 p.

664. Rogers, C.L., Anderson, R.E., Ekren, E.B., and O'Connor, J.T., 1967, Geologic map of the Quartzite Mountain quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-672, scale 1:24,000.

665. Rogers, C.L., and Dodge, H.W., Jr., 1968, Pre-Tertiary rocks in vicinity of the Supplemental Test Site, Central Nevada: U.S. Geological Survey Interagency report Central Nevada-2, 22 p.

666. Rogers, C.L., Ekren, E.B., Noble, D.C., And Weir, J.E., 1968, Geologic map of the northern half of Black Mountain quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-545, scale 1:62,500.

667. Rogers, C.L., Kleinhampl, F.J., Ziony, J.I., and Danilchik, Walter, 1970, Phosphate occurrences in Nye County and adjacent areas, Nevada, *in* Geological Survey Research 1970: U.S. Geological Survey Professional Paper 700-C, p. C49-C60.

668. Rogers, C.L., and Noble, D.C., 1970, Geologic map of the Oak Spring Butte quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-822, scale 1:24,000.

669. Roller, J.C., and Black, R.A., 1961, Determination of thickness of a basalt flow by electrical resistivity method on Buckboard Mesa, Nevada Test Site, Nye County, Nevada, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-C, p. C271-C273.

670. Roller, J.C., Stewart, S.W., Jackson, W.H., Warrick, R.E., and Byerly, P.E., 1959, Seismic measurements by the U.S. Geological Survey during the pre-Gnome high-explosive tests; a preliminary summary: U.S. Geological Survey Open-File Report, 34 p. [TEM-774]

671. Sargent, K.A., 1965, Use of magnetic susceptibility and grain density in identification of basalt flows at the Nevada Test Site, *in* Geological Survey Research 1965: U.S. Geological Survey Professional Paper 525-B, p. B142- B145.

672. Sargent, K.A., 1969, Petrography and heavy minerals of three groups of rhyolitic lavas, Pahute Mesa, Nevada Test Site, *in* Geological Survey Research 1969: U.S. Geological Survey Professional Paper 650-C, p. C18-C24.

673. Sargent, K.A., 1969, Summary geologic report on the Ue13a drill hole, eastern Belted Range, Nye County, Nevada: U.S. Geological Survey report USGS-474-29, 5 p. [Special Studies-78]

674. Sargent, K.A., 1969, Summary geologic report on the U20e emplacement hole, Pahute Mesa, Nevada Test Site: U.S. Geological Survey report USGS-4747-8, 5 p. [Special Studies-25, supp. 2]

675. Sargent, K.A., Dixon, G.L., and Spengler, R.W., 1972, Lithologic logs and stratigraphic identification of exploratory and emplacement drill holes in Area 7, Nevada Test Site: U.S. Geological Survey report USGS-474-152, 66 p. [NTS-241]

676. Sargent, K.A., Luft, S.J., Gibbons, A.B., and Hoover, D.L., 1966, Geologic map of the Quartet Dome quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle Map GQ-496, scale 1:24,000. [TEI-860]

677. Sargent, K.A., McKay, E.J., and Burchfiel, B.C., 1970, Geologic map of the Striped Hills quadrangle, Nye County, Nevada: U.S. Geological Survey Quadrangle Map GQ-882, scale 1:24,000.

678. Sargent, K.A., and McKee, E.H., 1969, The Bates Mountain Tuff in northern Nye County, Nevada, *in* Contributions to stratigraphy: U.S. Geological Survey Bulletin 1294-E, p. E1-E12.

679. Sargent, K.A., Noble, D.C., and Ekren, E.B., 1965, Belted Range Tuff of Nye and Lincoln Counties, Nevada, *in* Cohee, G.V., and West, W.S., Changes in stratigraphic nomenclature by the U.S. Geological Survey 1964: U.S. Geological Survey Bulletin 1224-A, p. A32-A36.

680. Sargent, K.A., and Orkild, P.P., 1973 (1974), Geologic map of the Wheelbarrow Peak-Rainier Mesa area, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-754, scale 1:48,000.

681. Sargent, K.A., and Orkild, P.P., 1976, Preliminary geologic map of the northwest quarter of the Springdale quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Field Studies Map MF-751, scale 1:24,000.

682. Sargent, K.A., and Stewart, J.H., 1971, Geologic map of the Specter Range NW quadrangle, Nye County, Nevada: U.S. Geological Survey Geologic Quadrangle map GQ-884, scale 1:24,000.

683. Sass, J.H., and Lachenbruch, A.H., 1982, Preliminary interpretation of thermal data from the Nevada Test Site: U.S. Geological Survey Open-File Report 82-973, 30 p.

684. Sass, J.H., and Moses, T.H., Jr., 1969, Subsurface temperatures from Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-20, 4 p. [Amchitka-16]

685. Savage, J.C., Kinoshita, W.T., and Prescott, W.H., 1974, Geodetic determination of strain at the Nevada Test Site following the Handley event: Seismological Society of America Bulletin, v. 64, no. 1, p. 115-129.

686. Sawyer, D.A., and Sargent, K.A., 1989, Petrologic evolution of divergent peralkaline magmas from the Silent Canyon caldera complex, southwestern Nevada volcanic field: Journal of Geophysical Research, v. 94, no. B5, p. 6021-6040.

687. Schlocker, Julius, 1971, Petrology and mineralogy of Tatum dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-130, 95 p. [Dribble-28, 1963]

688. Schlocker, Julius, 1972, Supplement to petrology and mineralogy of Tatum dome, Lamar County, Mississippi: Chemical analysis: U.S. Geological Survey report USGS-474-147, supp. 1, 6 p. [Dribble-28, supp. 1, 1963]

689. Schoff, S.L., and Moore, J.E., 1964, Chemistry and movement of ground water, Nevada Test Site: U.S. Geological Survey Open-File Report, 73 p. [TEI-838]

690. Schoff, S.L., and Moore, J.E., 1968, Sodium as a clue to direction of ground-water movement, Nevada Test Site, *in* Geological Survey Research 1968: U.S. Geological Survey Professional Paper 600-D, p. D30-D33.

691. Schoff, S.L., and Winograd, I.J., 1961, Hydrologic significance of six core holes in carbonate rocks of the Nevada Test Site: U.S. Geological Survey Open-File Report, 97 p. [TEI-787]

692. Schoff, S.L., and Winograd, I.J., 1962, Potential aquifers in carbonate rocks, Nevada Test Site, Nevada, *in* Geological Survey Research 1962: U.S. Geological Survey Professional Paper 450-C, p. C111-C113.

693. Scholl, D.W., and Sainsbury, C.L., 1960, Marine geology and bathymetry of the nearshore shelf of the Chukchi Sea, Ogotoruk Creek area, northwest Alaska: U.S. Geological Survey Open-File Report, 68 p. [TEI-606]

694. Scholl, D.W., and Sainsbury, C.L. 1966, Marine geology of the Ogotoruk Creek area, chap. 27 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p. 787-806.

695. Schroder, L.J., 1971, Determination of tritium in water by the U.S. Geological Survey, Denver, Colorado: U.S. Geological Survey report USGS-474-134, 18 p. [NTS-232]

696. Schroder, L.J., and Ballance, W.C., 1972, Radiochemical monitoring of water after the Cannikin event, Amchitka Island, Alaska, January 13-April 5, 1972: U.S. Geological Survey report USGS-474-159, 13 p. [Amchitka-35]

697. Schroder, L.J., and Ballance, W.C., 1973, Radiochemical monitoring of water after the Cannikin event, Amchitka Island, Alaska, July 1973: U.S. Geological Survey report USGS-474-166, 11 p. [Amchitka-37]

698. Schroder, L.J., and Ballance, W.C., 1973, Radiochemical monitoring of water after the Cannikin event, Amchitka Island, Alaska, October 1972: U.S. Geological Survey report USGS-474-169, 11 p. [Amchitka-40]

699. Schroder, L.J., and Ballance, W.C., 1973, Summary of chemical and radiochemical monitoring of water for the Cannikin event, Amchitka Island, Alaska, fiscal year 1972: U.S. Geological Survey report USGS-474-167, 35 p. [Amchitka-38]

700. Schroder, L.J., Beetem, W.A., Claassen, H.C., and Emerson, R.L., 1973, U.S. Geological Survey, Denver, Colorado, Radiocarbon dates I: Radiocarbon, v. 15, no. 3, p. 469-478.

701. Schroder, L.J., Beetem, W.A., Villasana, Edward, 1971, Radiochemical analyses of water from wells, springs, and streams in central Nevada: U.S. Geological Survey report USGS-474-97, 20 p. [Central Nevada-41]

702. Scott, J.H., 1963, Computer analysis of gamma-ray logs: Geophysics, v. 28, no. 3, p. 457-465.

703. Scott, J.H., 1963, Two nomographs for computation of standard equation in earth-resistivity interpretation, *in* Geological Survey Research 1963: U.S. Geological Survey Professional Paper 475-B, p. B71-B73.

704. Scott, J.H., 1983, Electrical and magnetic properties of rock and soil: U.S. Geological Survey Open-File Report 83-915, 39 p.

705. Scott, J.H., and Carroll, R.D., 1967, Surface and underground geophysical studies at the Straight Creek tunnel site, Colorado, *in* Tunneling, geophysical studies and soil-culvert interactions: Highway Research Record, no. 185, p. 20-35.

706. Scott, J.H., Carroll, R.D., and Cunningham, D.R., 1967, Dielectric constant and electrical conductivity measurements of moist rock: A new laboratory method: Journal of Geophysical Research, v. 72, no. 20, p. 5101-5115.

707. Scott, J.H., Lee, F.T., Carroll, R.D., and Robinson, C.S., 1968, The relationship of geophysical measurements to engineering and construction parameters in the Straight Creek tunnel pilot bore, Colorado: International Journal of Rock Mechanics and Mining Science, v. 5, p. 1-30.

708. Scott, W.B., 1990, Hydrologic activities of the U.S. Geological Survey in support of the Radionuclide Migration Program, Nevada Test Site and vicinity, Nye County, Nevada, fiscal year 1987: U.S. Geological Survey Open-File Report 90-105, 13 p.

709. Sharps, J.A., 1987, Review of lithologic logs of selected exploratory and emplacement drill holes completed between November 1975 and November 1983 in Area 7, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey report USGS-474-320, 137 p. [NTS-266]

710. Shepard, A.O., 1961, A heulandite-like mineral associated with clinoptilolite in tuffs of Oak Spring Formation, Nevada Test Site, Nye County, Nevada, *in* Geological Survey Research 1961: U.S. Geological Survey Professional Paper 424-C, p. C320-C323.

711. Shepard, A.O., and Starkey, H.C., 1964, Effect of cation exchange on the thermal behavior of heulandite and clinoptilolite, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 475-D, p. D89-D92.

712. Shepard, A.O., and Starkey, H.C., 1966, The effects of exchanged cations on the thermal behavior of heulandite and clinoptilolite: International Mineralogical Association Papers, 4th General Meeting, Mineralogical Society of India (IMA Volume), p. 155-158.

713. Shoemaker, E.M., 1960, Brecciation and mixing of rock by strong shock: U.S. Geological Survey Professional Paper 400-B, p. B423-B425.

714. Shroba, R.R., Muhs, D.R., and Rosholt, J.N., 1988, Physical properties and radiometric age estimates of surficial and fracture-fill deposits along a portion of the Carpetbag fault system, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey report DOE/NV/10583-1, 34 p.

715. Shurr, G.W., 1977, The Pierre Shale, Northern Great Plains; a potential isolation medium for radioactive waste: U.S. Geological Survey Open-File Report 77-776, 27 p.

716. Simpson, H.E., Weir, J.W., Jr., and Woodward, L.A., 1979, Inventory of clay-rich bedrock and metamorphic derivatives in eastern Nevada, excluding the Nevada Test Site: U.S. Geological Survey Open-File Report 79-760, 147 p.

717. Skelton, John, 1979, Surface water investigations in Lower Little Creek Basin, Lamar and Marion Counties, Mississippi: U.S. Geological Survey report USGS-474-286, 15 p. [Dribble-27, 1962]

718. Skelton, John, 1979, Surface water investigations in Lower Little Creek Basin, Lamar and Marion Counties, Mississippi: U.S. Geological Survey report USGS-474-290, 41 p. [Dribble-33, 1963]

719. Smith, B.E., Coakley, J.M., and Hamilton, R.M., 1972, Distribution, focal mechanisms, and frequency of earthquakes in the Fairview Peak area, Nevada, near the time of the Benham explosion: Seismological Society of America Bulletin, v. 62, no. 5, p. 1223-1240.

720. Smith, B.E., Hamilton, R.J., and Jackson, W.H., 1971, Seismicity of the Central Nevada Test Area, 26 September 1969-1 October 1970: U.S. Geological Survey report USGS-474-109, 23 p. [Central Nevada-42]

721. Snyder, R.P., 1967, Preliminary lithologic report of drill hole UCe-18, Hot Creek Valley, Nye County, Nevada: U.S. Geological Survey report USGS-474-257, 11 p. [Central Nevada-10]

722. Snyder, R.P., 1968, Electrical and caliper logs as lithologic indicators in volcanic rocks, Nevada Test Site, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 117-124.

723. Snyder, R.P., 1969, Preliminary lithologic log of drill hole UAe-2, from 0 to 3,580 feet, Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-52, 2 p. [Amchitka-10]

724. Snyder, R.P., 1969, Preliminary lithologic log of drill hole UAe-2, from 3,580 feet to 6,500 feet (T.D.): U.S. Geological Survey report USGS-474-53, 2 p. [Amchitka-10-1]

725. Snyder, R.P., 1969, Preliminary lithologic log of drill hole UAe-7c, from 0 to 7,495 feet (T.D.), Amchitka Island, Alaska: U.S. Geological Survey report USGS-474-32, 4 p. [Amchitka-14]

726. Snyder, R.P., 1970, U20e postshot fractures, Jorum event, Nevada Test Site: U.S. Geological Survey report USGS-474-92, 5 p. [Special Studies-84]

727. Snyder, R.P., 1971, Composite postshot fracture map of Pahute Mesa, Nevada Test Site: U.S. Geological Survey report USGS-474-100, 13 p. [Special Studies-86]

728. Snyder, R.P., 1973, Recent fault movement on Pahute Mesa, Nevada Test Site, from May 1970 through June 1973: U.S. Geological Survey report USGS-474-137, 28 p. [Special Studies-91]

729. Snyder, R.P., 1975, Explosion-induced fractures of selected announced underground nuclear tests, Yucca Flat, Nevada Test Site, Nevada, January through December 1973: U.S. Geological Survey report USGS-474-204, 20 p. [NTS-255]

730. Snyder, R.P., 1976, Explosion-induced fractures of selected announced underground nuclear tests, Yucca Flat, Nevada Test Site, Nevada, January through December 1974: U.S. Geological Survey report USGS-474-209, 25 p. [NTS-258]

731. Snyder, R.P., 1977, Preliminary lithologic report on drill hole UCE-18, Hot Creek Valley, Nye County, Nevada: U.S. Geological Survey report USGS-474-257, 11 p. [Central Nevada-10, 1967]

732. Snyder, R.P., 1977, Geology of the Gold Meadows stock, Nevada Test Site: U.S. Geological Survey report USGS-474-179, 10 p. [Area 12-26]

733. Snyder, R.P., 1982, General site geology, *in* Deformation of evaporites near the Waste Isolation Pilot Plant (WIPP) site: Sandia National Laboratory Report SAND82-1069, p. 13-52.

734. Snyder, R.P., 1982, Geologic data for borehole WIPP-11, *in* Basic data report for drillhole WIPP-11, Waste Isolation Pilot Plant - WIPP): Sandia National Laboratory Report SAND79-0272, p. 5-23.

735. Snyder, R.P., 1983, Salt dissolution and deformation studies, *in* U.S. Geological Survey research in radioactive waste disposal--fiscal year 1981: U.S. Geological Survey Water-Resources Investigations Report 83-4105, p. 26-30.

736. Snyder, R.P., 1983, Salt dissolution and deformation studies, *in* U.S. Geological Survey research in radioactive waste disposal--fiscal year 1981: U.S. Geological Survey Water-Resources Investigations Report 83-4105, p. 26-30.

737. Snyder, R.P., 1985, Dissolution of halite and gypsum, and hydration of anhydrite to gypsum, Rustler Formation, in the vicinity of the Waste Isolation Pilot Plant, southeastern New Mexico: U.S. Geological Survey Open-File Report 85-229, 11 p.

738. Snyder, R.P., and Drellack, S.L., Jr., 1980, Geologic data for borehole WIPP-30, *in* Basic data report for drillhole WIPP-30 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND79-0284, p. 4-19.

739. Snyder, R.P., and Drellack, S.L., Jr., 1981, Geologic data for borehole WIPP-34, in Basic data report for drillhole WIPP 34 (Waste Isolation Pilot Plant): Sandia National Laboratories Report SAND81-2643, p. 3-54.

740. Snyder, R.P., Ekren, E.B., and Dixon, G.L., 1972, Geologic map of the Lunar Crater quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Geologic Investigations map I-700, scale 1:48,000.

741. Snyder, R.P., and Gard, L.M., 1982, Evaluation of breccia pipes in southeastern New Mexico and their relation to the Waste Isolation Pilot Plant (WIPP) site *with a section on* Drill stem tests, by J.W. Mercer: U.S. Geological Survey Open-File Report 82-968, 73 p.

742. Snyder, R.P., and Gard, L.M., 1982, Salt dissolution and deformation studies, *in* U.S. Geological Survey research in radioactive waste disposal--fiscal year 1980: U.S. Geological Survey Open-File Report 82-509, p. 17-21.

743. Snyder, R.P., and McIntyre, A.F., 1979, Geological data, *in* Basic data report for drillhole WIPP-29 (Waste Isolation Pilot Plant - WIPP): Sandia Laboratories Report SAND79-0283, p. 4-18.

744. Snyder, R.P., and McIntyre A.F., 1980, Geologic data for borehole WIPP-32, *in* Basic Data Report for drillhole WIPP 32 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND80-1102, p. 6-26.

745. Snyder, R.P., and McIntyre, A.F., 1981, Geological data for borehole WIPP 33, *in* Basic Data report for drillhole WIPP 33 (Waste Isolation Pilot Plant - WIPP): Sandia National Laboratories Report SAND80-2011, p. 4-22.

746. Snyder, R.P., and Rogers, Susan, 1972, Explosion-induced surface fractures of selected announced underground nuclear tests, Yucca Flat, Nevada Test Site, October 1969 through December 1970: U.S. Geological Survey report USGS-474-133, 53 p. [NTS-231]

747. Snyder, R.P., and Terry, S.S., 1977, Subsurface geology and structure in the vicinity of three drill holes in Piceance Creek Basin, Rio Blanco County, Colorado: U.S. Geological Survey Open-File Report 77-271, 78 p.

748. Spengler, R.W., and Glanzman, V.M., 1980, Review of geology and material property data in shallow alluvium, eastern Area 2, Nevada Test Site: U.S. Geological Survey report USGS-474-266, 20 p. [NTS-262]

749. Starkey, H.C., 1964, Determination of the ion-exchange capacity of a zeolitic tuff, *in* Geological Survey Research 1964: U.S. Geological Survey Professional Paper 475-D, p. D93-D95.

750. Stauder, William, 1971, Smaller aftershocks of the Benham nuclear explosion: Seismological Society of America Bulletin, v. 61, no. 2, p. 417-428.

751. Stead, F.W., 1963, Tritium distribution in ground water around large underground fission explosions: Science, v. 142, no. 3596, p. 1163-1165.

752. Stead, F.W., 1964, Distribution in ground water of radionuclides from underground nuclear explosions, *in* Engineering with nuclear explosives: Third Plowshare Symposium Proceedings, April 21-23, 1964: U.S. Atomic Energy Commission Report TID-7695, p. 127-138.

753. Stead, F.W., 1966, Hydrologic investigations, *in* Safety involving detonation of nuclear devices: U.S. Atomic Energy Commission Report NVO-28, p. 5-16.

754. Stead, F.W., 1966, Geological considerations, *in* Safety involving detonation of nuclear devices: U.S. Atomic Energy Commission Report NVO-28, p. 29-37.

755. Stead, F.W., 1967, Distribution of radionuclides in ground water in the Piceance Creek Basin, Appendix A, *in* The Bronco Oil Shale Study: U.S. Atomic Energy Commission Report PNE-1400, p. 46-48.

756. Stead, F.W., 1969, Geologic considerations, chap. 5, *in* Technical discussions of offsite safety programs for underground nuclear detonations: U.S. Atomic Energy Commission Report NVO-40, Rev. 2, p. 51-59.

757. Stead, F.W., 1970, Groundwater contamination, *in* Weaver, L.E., ed., Education for Peaceful Uses of Nuclear Explosives: Tucson, Arizona, University of Arizona Press, p. 205-220.

758. Stead, F.W., 1972, Environmental aspects of gas-stimulation experiments using nuclear explosives: Society of Petroleum Engineers, SPE-3026, 8 p.

759. Stead, F.W., Ege, J.R., and Welder, F.A., 1967, Geology and hydrology of Piceance Creek Basin, Appendix C, *in* The Bronco Oil Shale Study: U.S. Atomic Energy Commission Report PNE-1400, p. 50-57.

760. Steele, S.G., and Snyder, R.P., 1972, Explosion-induced fractures of selected announced underground nuclear tests, Yucca Flat, Nevada Test Site, January 1971 through December 1971: U.S. Geological Survey report USGS-474-155, 27 p. [NTS-237]

761. Steele, S.G., and Snyder, R.P., 1973, Explosion-induced fractures of selected announced underground nuclear tests, Yucca Flat, Nevada Test Site, Nevada, January through December 1972: U.S. Geological Survey report USGS-474-176, 34 p. [NTS-245]

762. Stewart, J.H., and Barnes, Harley, 1966, Precambrian and Lower Cambrian formations in the Desert Range, Clark County, Nevada, *in* Cohee, G.V., and West, W.S., Changes in stratigraphic nomenclature by the U.S. Geological Survey 1965: U.S. Geological Survey Bulletin 1244-A, p. A35-A42.

763. Stockton, S.L., and Balch, A.H., 1978, The utility of petroleum seismic exploration data in delineating structural features within salt anticlines: U.S. Geological Survey Open-File Report 78-591, 36 p.

764. Strausberg, S.I., 1968, Estimating distances to hydrologic boundaries from discharging well data, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 169.

765. Swadley, W C, 1983, Surficial geology of the Lathrop Wells quadrangle, Nye County, Nevada: U.S. Geological Survey Miscellaneous Investigations Map I-1361, scale 1:48,000.

766. Swadley, W C., and Hoover, D.L., 1990, Geologic map of the surficial deposits of the Yucca Flat area, Nye County, Nevada: U.S. Geological Survey Miscellaneous Investigations Series Map I-2047, scale 1:48,000.

767. Szabo, B.J., Carr, W.J., and Gottschall, W.C., 1981, Uranium-thorium dating of Quaternary carbonate accumulations in the Nevada Test Site region: U.S. Geological Survey Open-File Report 81-119, 35 p.

768. Szabo, B.J., Gottschall, W.C., Rosholt, J.N., and McKinney, R., 1980, Part I: A preliminary study of uranium-thorium systematics in dissolution residues at the top of Salado evaporites--Implications to process and time of the last vertical dissolution cycle of salt beds near the WIPP site; Part II: uranium trend dating of surficial deposits and gypsum spring deposit near WIPP site, New Mexico: U.S. Geological Survey Open-File Report 80-879, 21 p.

769. Taylor, R.E., 1967, Complaints related to water wells after Salmon event in Tatum salt dome area, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-116, 16 p. [Dribble-46, 1965]

770. Taylor, R.E., 1967, Final investigations of water-well complaints related to Salmon event in Tatum salt dome area, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-127, 28 p. [Dribble-46, supp. 1, 1966]

771. Taylor, R.E., 1971, Geohydrology of Tatum salt dome area, Lamar and Marion Counties, Mississippi: U.S. Atomic Energy Commission Report VUF-1023, 57 p.

772. Taylor, R.E., 1971, Water levels in observation wells in the Tatum salt dome area, 1961-65, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-118, 27 p. [Dribble-48, 1966]

773. Taylor, R.E., 1979, Geologic section and hydrologic observations at station 1A, Tatum salt dome, Lamar, County, Mississippi: U.S. Geological Survey report USGS-474-301, 19 p. [Dribble-49, 1966]

774. Taylor, R.E., and Grantham, P.E., 1979, Basic data for domestic supply wells in a five-mile radius of Tatum salt dome, Lamar County, Mississippi [supplement to USGS-474-287]: U.S. Geological Survey report USGS-474-294, 6 p. [Dribble-38, 1963]

775. Taylor, R.E., and Oakley, W.T., 1971, Water-well investigations before and after the Sterling event in Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-121, 9 p. [Dribble-55, 1968]

776. Taylor, R.E., and Shattles, D.E., 1979, Surface-water records in Lower Little Creek Basin, Lamar and Marion Counties, Mississippi: U.S. Geological Survey report USGS-474-302, 16 p. [Dribble-52, 1966]

777. Terry, S.S., 1975, Geology of the UE12t-3 vertical drill hole, Area 12, Nevada Test Site: U.S. Geological Survey report USGS-474-213, 20 p. [Area 12-38]

778. Terry, S.S., and Cunningham, M.J., 1975, Geology of the U12n.07 UG-3 drill hole, Area 12, Nevada Test Site: U.S. Geological Survey report USGS-474-207, 25 p. [Area 12-35]

779. Thordarson, William, 1966, Perched ground water in zeolitized-bedded tuff, Rainier Mesa and vicinity, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report, 90 p. [TEI-862]

780. Thordarson, William, 1983, Geohydrologic data and test results from well J-13, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Water-Resources Investigations Report 83-4171, 57 p.

781. Thordarson, William, 1984, Hydrogeologic monitoring at the Faultless site, Nye County, Nevada: U.S. Geological Survey Open-File Report 84-580, 37 p.

782. Thordarson, William, and Ballance, W.C., 1976, Radiochemical monitoring of water after the Cannikin event, Amchitka Island, Alaska, May 1974: U.S. Geological Survey report USGS-474-226, 15 p. [Amchitka-45]

783. Thordarson, William, and Ballance, W.C., 1976, Radiochemical monitoring of water after the Cannikin event, Amchitka Island, Alaska, August 1974, and chemical monitoring from July 1972 to June 1974: U.S. Geological Survey report USGS-474-225, 15 p. [Amchitka-44]

784. Thordarson, William, Garber, M.S., and Walker, G.E., 1962, Ground water test well D, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 58 p. [TEI-803]

785. Thordarson, William, and Robinson, B.P., 1971, Wells and springs in California and Nevada within 100 miles of the point 37 degrees 15 feet N., 116 degrees 25 feet W., on Nevada Test Site: U.S. Geological Survey report USGS-474-85, 174 p. [NTS-227]

786. Thordarson, William, Young, R.A., and Winograd, I.J., 1967, Records of wells and test holes in the Nevada Test Site and vicinity (through December 1966): U.S. Geological Survey Open-File Report, 26 p. [TEI-872]

787. Twenhofel, W.S., Black, R.A., and Balsinger, D.F., 1962, Frequency of earthquakes for selected areas in the western United States for the period 1945-1959: U.S. Geological Survey Open-File Report, 37 p. [TEI-782]

788. Twenhofel, W.S., Moore, J.E., and Black, R.A., 1962, Preliminary evaluation of the seismicity, geology, and hydrology of the northern Sand Springs Range, Churchill County, Nevada, as a possible site for Project Shoal: U.S. Geological Survey Open-File Report, 21 p. [TEI-796]

789. U.S. Geological Survey, 1968, Aeromagnetic map of the Hot Creek Range region, south-central Nevada: U.S. Geological Survey Geophysical Investigations Map GP-637, scale 1:250,000

790. U.S. Geological Survey, 1970, Geologic studies in Dry Lake Valley and Hidden Valley, southern Nevada. Part 1, Notes on the geology of the Dry Lake and Hidden Valley areas, Nevada, by R.E., Anderson; Part 2, Lithologic logs of drill holes in Dry Lake and Hidden Valleys, Nevada, by E.C. Jenkins: U.S. Geological Survey report USGS-474-55, 35 p. [NTS-176, rev. 1]

791. U.S. Geological Survey [staff], 1970, Geologic and hydrologic effects of the Milrow event, Amchitka Island, Aleutian Islands, Alaska: U.S. Geological Survey report USGS-474-71, 72 p. [Amchitka-20]

792. U.S. Geological Survey [staff], 1971, Geologic and hydrologic effects of the Handley event, Pahute Mesa, Nevada Test Site: U.S. Geological Survey report USGS-474-95, 67 p. [Special Studies-83]

793. U.S. Geological Survey, 1972, Geologic and hydrologic effects of the Cannikin underground nuclear explosion, Amchitka Island, Aleutian Islands, Alaska: U.S. Geological Survey report USGS-474-148, 83 p. [Amchitka-33]

794. U.S. Geological Survey, 1973, Geologic and hydrologic effects prediction and effects program, Almendro (U19v) event, Pahute Mesa, Nevada Test Site: U.S. Geological Survey report USGS-474-163, 34 p. [Special Studies-92]

795. U.S. Geological Survey, 1974, Results of exploration of Baneberry site, early 1971: U.S. Geological Survey report USGS-474-145, 94 p. [NTS-235].

796. U.S. Geological Survey, 1976, Field trip to Nevada Test Site: U.S. Geological Survey Open-File Report 76-313, 64 p.

797. U.S. Geological Survey, 1978, Geological Survey investigations in connection with the Dining Car event, U12e.18 tunnel, Rainier Mesa, Nevada Test Site, *with a section on* Geological investigations, by S.G. Steele and G.M. Fairer *and a section on* Geophysical investigations, by R.D. Carroll and M.J. Cunningham: U.S. Geological Survey report USGS-474-246, 568 p. [Area 12-49]

798. U.S. Geological Survey, 1979, Hydrologic test program, Tatum salt dome, Lamar County, Mississippi: U.S. Geological Survey report USGS-474-269, 5 p. [Dribble-3, 1961]

799. U.S. Geological Survey, 1979, U.S. Geological Survey investigations in connection with the Mighty Epic event, *with a section on* Geologic investigations, by G.M. Fairer and D.R. Townsend, *a section on* Geophysical logging and seismic investigations, by R.D. Carroll, M.J. Cunningham, and D.C. Muller, *a section on* Gravity survey--Rainier Mesa and U12n.10 tunnel, by D.L. Healey, *and a section on* In situ stress investigations, by W.L. Ellis: U.S. Geological Survey report USGS-474-228, 191 p. [Area 12-44]

800. U.S. Geological Survey, 1982, Geologic, geophysical, and in situ stress investigations in the vicinity of the Dining Car Chimney, Dining Car/Hybla Gold drifts, Nevada Test Site: U.S. Geological Survey Open-File Report 82-137, 121 p.

801. U.S. Geological Survey, 1983, Geologic and geophysical investigations of Climax stock intrusive, Nevada: chap. A Geologic investigations, by P.P. Orkild, D.R. Townsend, M.J. Baldwin; chap. B Gravity investigations, by D.L. Healey; chap. C Magnetic investigations, by G.D. Bath, C.E. Jahren, J.G. Rosenbaum, M.J. Baldwin; chap. D Summary of geologic investigations, by P.P. Orkild: U.S. Geological Survey Open-File Report 83-377, 82 p.

802. Van de Werken, M. G., 1983, The PG-2 photogrammetric plotter: A rapid and accurate means of mapping surface effects produced by subsurface nuclear testing at the Nevada Test Site, Nevada, *in* Proceedings of the Second Symposium on Containment of Underground Nuclear Explosions, Vol. 1: Lawrence Livermore National Laboraaory Report CONF-830882, p. 393-410.

803. Vine, J.D., 1960, Geologic map of the Nash Draw quadrangle, Eddy County, New Mexico: U.S. Geological Survey Open-File Report, scale 1:31,680. [TEM-830]

804. Voegeli, P.T., 1969, Geology and hydrology of the Project Rulison exploratory hole, Garfield County, Colorado: U.S. Geological Survey report USGS-474-16, 17 p. [Rulison-1]

805. Voegeli, P.T., Sr., 1971, Hydraulic testing and sampling of Wagon Wheel water well No. 1, Sublette County, Wyoming: U.S. Geological Survey report USGS-474-87, 26 p. [Wagon Wheel-1]

806. Voegeli, P.T., Sr., and Claassen, H.C., 1971, Radiochemical analyses of water from selected streams, wells, springs, and precipitation collected prior to reentry drilling, Project Rulison: U.S. Geological Survey report USGS-474-83, 16 p. [Rulison-6]

807. Voegeli, P.T., Sr., and Claassen, H.C., 1971, Radiochemical analyses of water from selected streams, wells, springs, and precipitation collected during reentry drilling, Project Rulison: U.S. Geological Survey report USGS-474-101, 10 p. [Rulison-7]

808. Voegeli, P.T., Sr., and West, S.W., 1970, Geohydrology--Project Rulison, *with a section on* Aquifer response, by E.H. Cordes: U.S. Geological Survey report USGS-474-68, 52 p. [Rulison-5]

809. von Huene, Roland, Carr, W.J., McManus, Dean, and Holmes, Mark, 1971, Marine geophysical study around Amchitka Island, western Aleutian Islands, Alaska: U.S. Geological Survey report USGS-474-74, 26 p. [Amchitka-22]

810. Waddell, R.K., 1982, Two-dimensional, steady-state model of ground-water flow, Nevada Test Site and vicinity, Nevada-California: U.S. Geological Survey Water-Resources Investigations Report 82-4085, 72 p.

811. Wahl, R.R., 1969, An analysis of gravity data in Area 12, Nevada Test Site: U.S. Geological Survey Open-File Report, 23 p.

812. Waldron, H.H., 1969, Potential applications of nuclear explosives to the recovery of geothermal energy--Progress report for fiscal year 1965: U.S. Geological Survey report USGS-289-1, 18 p. [Geothermal Energy-1]

813. Waldron, H.H., 1969, Potential applications of nuclear explosives to the recovery of geothermal energy--Progress report for fiscal year 1966: U.S. Geological Survey report USGS-289-2, 17 p. [Geothermal Energy-2]

814. Walker, G.E., 1962, Ground water in the Climax stock, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 48 p. [TEI-813]

815. Waller, R.M., 1966, Groundwater hydrology, chap. 7 *in* Wilimovsky, N.J., and Wolfe, J.N., eds., Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, p. 115-124.

816. Warren, R.G., Byers, F.M., Jr., and Orkild, P.P., 1985, Post-Silent Canyon caldera structural setting for Pahute Mesa, *in* Olsen, C.W., and Donohue, M.L., eds., Third Symposium on Containment of Underground Nuclear Explosions, Proceedings: Lawrence Livermore National Laboratory Report Conf-850953, v. 2, p. 3-30.

817. Weir, J.E., Jr., 1970, Geohydrology of the area near WOSCO exploratory hole No. 1, Uintah County, Utah: U.S. Geological Survey report USGS-3002-1, 27 p.

818. Weir, J.E., Jr., 1971, Hydraulic testing of the Ojo Alamo Sandstone in hole GB-3, Project Gasbuggy, Rio Arriba County, New Mexico: U.S. Geological Survey report USGS-474-91, 22 p. [Gasbuggy-5]

819. Weir, J.E., Jr., 1972, Hydraulic testing and sampling of holes RB-E-01 and RB-D-01, Project Rio Blanco, Rio Blanco County, Colorado: U.S. Geological Survey report USGS-474-150, 23 p. [Rio Blanco-1]

820. Weir, J.E., Jr., and Dinwiddie, G.A., 1973, Hydraulic testing accompanying drilling of five exploratory holes, Piceance Creek basin, Colorado: U.S. Geological Survey report USGS-3002-2, 55 p.

821. Weir, J.E., Jr., and Nelson, J.W., 1976, Operation and maintenance of a deep-well water-level measurement device, "The Iron Horse": U.S. Geological Survey Water-Resources Investigations Open-File Report 76-27, 28 p.

822. Wells, J.G., and Drellack, S.L., Jr., 1983, Geological and well-construction data for the H-8 borehole complex near the proposed Waste Isolation Pilot Plant site, southeastern New Mexico: U.S. Geological Survey Water-Resources Investigations Report 82-4118, 42 p.

823. Wells, J.G., and Drellack, S.L., Jr., 1983, Geologic and well-construction data for the H-10 borehole complex near the proposed Waste Isolation Pilot Plant site, southeastern New Mexico: U.S. Geological Survey Water-Resources Investigations Report 83-4124, 34 p.

824. West, S.W., and Grove, D.B., 1969, Hydrologic considerations, chap. 6, *in* Technical discussions of offsite safety programs for underground nuclear detonations: U.S. Atomic Energy Commision Report NVO-40, Rev. 2, p. 61-67.

825. White, A.F., 1979, Geochemistry of ground water associated with tuffaceous rocks, Oasis Valley, Nevada: U.S. Geological Survey Professional Paper 712-E, p. E1-E25.

826. White, A.F., 1983, Surface chemistry and dissolution kinetics of glassy rocks at 25° C: Geochimica et Cosmochimica Acta, v. 47, p. 805-815.

827. White, A.F., and Claassen, H.C., 1979, Dissolution kinetics of silicic rocks--Application to solute modeling, *in* Jenne, E.A., ed., Chemical Modeling in Aqueous Systems: Speciation, Sorption, Solubity, Mobility, and Kinetics: American Chemical Society Symposium Series 93, p. 447-473.

828. White, A.F., and Claassen, H.C., 1980, Kinetic model for the short-term dissolution of a rhyolitic glass: Chemical Geology, v. 28, no. p. 91-109.

829. White, A.F., Claassen, H.C., and Benson, Larry, 1980, The effect of dissolution of volcanic glass on the water chemistry in a volcanic aquifer, Rainier Mesa, Nevada: U.S. Geological Survey Water-Supply Paper 1535Q, p. Q1-Q34.

830. Whitmore, F.C., Jr., and Gard, L.M., 1977, Stellar's sea cow (Hydrodamalis gigas) of Late Pleistocene age from Amchitka, Aleutian Islands, Alaska: U.S. Geological Survey Professional Paper 1036, 19 p.

831. Wilimovshy, N.J., and Wolfe, J.N. (eds.), 1966, Environment of the Cape Thompson region, Alaska: U.S. Atomic Energy Commission Report PNE-481, 1250 p.

832. Williams, V.S., 1985, Computer generation of geologic cross sections and derivative maps, *in* Olsen, C.W., and Donohue, M.L., eds., Third Symposium on Containment of Underground Nuclear Explosions, Proceedings: Lawrence Livermore National Laboratory Report Conf-850953, v. 2, p. 85-98.

833. Wilmarth, V.R., Botinelly, Theodore, and Wilcox, R.E., 1960, Alteration of tuffs by Rainier underground nuclear explosion, Nevada Test Site, Nye County, Nevada, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B, p. B149-B151.

834. Wilmarth, V.R., Healey, D.L., Clebsch, Alfred, Jr., Winograd, I.J., Zietz, Isidore, and Oliver, H.W., 1960, A summary interpretation of geologic, hydrologic and geophysical data for Yucca Valley, Nevada Test Site, Nye County, Nevada: U.S. Geological Survey Open-File Report, 53 p. [TEI-358]

835. Wilmarth, V.R., and McKeown, F.A., 1960, Structural effects of Rainier, Logan, and Blanca underground nuclear explosions, Nevada Test Site, Nye County, Nevada, *in* Geological Survey Research 1960: U.S. Geological Survey Professional Paper 400-B, p. B418-B423.

836. Wilmarth, V.R., McKeown, F.A., and Dobrovolny, Ernest, 1962, Preliminary report on engineering geology of thirteen tunnel sites, Nevada Test Site: U.S. Geological Survey Open-File Report, 33 p. [TEM-773]

837. Winograd, I.J., 1962, Interbasin movement of ground water at the Nevada Test Site, Nevada, *in* Geological Survey Research 1962: U.S. Geological Survey Professional Paper 450-C, p. C108-C111. [TEI-807]

838. Winograd, I.J., 1963, A summary of the ground-water hydrology of the area between the Las Vegas Valley and the Amargosa Desert, Nevada: U.S. Geological Survey Open-File Report, 79 p. [TEI-840]

839. Winograd, I.J., 1970, Noninstrumental factors affecting measurement of static water level in deeply buried aquifers and aquitards, Nevada Test Site: Ground Water, v. 8, no. 2, p. 19-28.

840. Winograd, I.J., and Doty, G.C., 1980, Paleohydrology of the southern Great Basin with special reference to water table fluctuations beneath the Nevada Test Site during the Late(?) Pleistocene: U.S. Geological Survey Open-File Report 80-569, 91 p.

841. Winograd, I.J., and Thordarson, William, 1968, Structural control of ground-water movement in miogeosynclinal rocks of south-central Nevada, *in* Eckel, E.B., ed., Nevada Test Site: Geological Society of America Memoir 110, p. 35-48.

842. Winograd, I.J., and Thordarson, William, 1975, Hydrogeologic and hydrochemical framework, south-central Great Basin, Nevada-California, with special reference to the Nevada Test Site: U.S. Geological Survey Professional Paper 712-C, p. C1-C126.

843. Winograd, I.J., Thordarson, William, and Young, R.A., 1972, Hydrology of Nevada Test Site and vicinity, southeastern Nevada, U.S. Geological Survey Open-File Report, 429 p.

844. Yacoub, N.K., and Scott, J.H., 1971, A computer program to trace seismic ray distribution in complex two-dimensional geological models: U.S. Geological Survey report GD-71-002, 75 p. [available from NTIS as PB 1-97583]

845. Yacoub, N.K., Scott, J.H., and McKeown, F.A., 1968, Computer technique for tracing seismic rays in two-dimensional geological models: U.S. Geological Survey Open-File Report, 69 p.

846. Yacoub, N.K., Scott, J.H., and McKeown, F.A., 1970, Computer ray tracing through complex geological models for ground motion studies: Geophysics, v. 35, no. 4, p. 586-602.

847. Young, R.A., 1963, Drilling and well-testing problems in investigations of deep aquifers at Nevada Test Site, Mercury, Nevada, *in* Eleventh Symposium on Exploration Drilling: Colorado School of Mines Quarterly, v. 58, no. 4, p. 83-91.

848. Young, R.A., 1972, Water supply for the Nuclear Rocket Development Station at the U.S. Atomic Energy Commission's Nevada Test Site: U.S. Geological Survey Water-Supply Paper 1938, 19 p.

849. Zablocki, C.J., 1979, Some reconnaissance-type electrical surveys of Timber Mountain caldera, Nye County, Nevada: U.S. Geological Survey Open-File Report 79-1695, 23 p.

850. Zohdy, A.A.R., and Bisdorf, R.J., 1979, Schlumberger soundings and geoelectric cross sections in Yucca Lake, Nevada Test Site, Nevada: U.S. Geological Survey Open-File Report 79-220, 68 p.

ABSTRACTS

851. Allingham, J.W., 1968, Remanent magnetism of rhyolitic tuffs at Rainier Mesa, Nevada Test Site [abs.]: Geological Society of America Special Paper 101, p. 383.

852. Anderson, R.E., 1968, Possible relationship between type of volcanic center and magnitude of hydrothermal alteration in southern Nevada [abs.]: Geological Society of America Special Paper 101, p. 383-384.

853. Anderson, R.E., 1970, Tectonic overview of the Bering Sea-Aleutian Ridge region [abs.]: American Association of Petroleum Geologists Bulletin, v. 54, no. 12, p. 2467.

854. Anderson, R.E., 1974, Influence of late Cenozoic stratigraphy on distribution of impoundment-related seismicity at Lake Mead, Nevada-Arizona [abs.]: Geological Society of America Abstracts with Programs, v. 6, no. 3, p. 138.

855. Barosh, P.J., 1965, Permian stratigraphy of east-central Nevada [abs.]: Geological Society of America Special Paper 82, p. 317.

856. Barosh, P.J., 1968, Lower Permian stratigraphy of east-central Nevada and adjacent Utah [abs.]: Dissertation Abstracts, Sec B, Science and Engineering, v. 28, no. 12, pt. 1, p. 5076B.

857. Bath, G.D., Dixon, G.L., and Rosenbaum, J.G., 1982, Relation of aeromagnetic anomalies to faulted volcanic terrains at the Nevada Test Site [abs.]: Geological Society of America Abstracts with Programs, v. 14, no. 6, p. 302.

858. Blankennagel, R.K., 1974, Hydrologic investigations of the Silent Canyon caldera, southeast Nevada, USA [abs.]: International Symposium on Hydrology of Volcanic Rocks, Lanzarote, Canary Islands, March 4-7, Abstracts p. 20-21.

859. Brethauer, G.E., 1974, Stress around pressurized spherical cavities in triaxial stress fields [abs.]: International Journal of Rock Mechanics and Mining Sciences and Geomechanics Abstracts, v. 11, no. 3, p. 91-96.

860. Bucknam, R.C., Dickey, D.D., and McKeown, F.A., 1970, Near-source ground deformation from the Handley nuclear explosion [abs.]: Geological Society of America Abstracts with Programs, v. 2, no. 7, p. 506.

861. Byers, F.M., Jr., Carr, W.J., and Orkild, P.P., 1969, Volcano-tectonic history of southwestern Nevada caldera complex, USA [abs.]: International Association of Volcanology and Chemistry of the Earth's Interior, Symposium on volcanoes and their roots, Oxford, England, September 7-13, 1969, Volume of Abstracts, p. 84-86.

862. Byers, F.M., Jr., Carr, W.J., Orkild, P.P., Scott, R.B., and Warren, R.G., 1983, Volcano-tectonic relations and some petrologic features of the Crater Flat Tuff, southwestern Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 15, no. 5, p. 280.

863. Byers, F.M., Jr., Christiansen, R.L., Lipman, P.W., Marvin, R.F., and Orkild, P.P., 1969, Cauldron collapse and resurgence of Paintbrush volcanic center, southern Nye County, Nevada [abs.]: Geological Society of America Abstracts for 1968, p. 493-494.

864. Byers, F.M., Jr., Orkild, P.P., Carr, W.J., and Christiansen, R.L., 1964, Timber Mountain caldera, Nevada Test Site and vicinity: A progress report [abs.]: EOS, Transactions American Geophysical Union, v. 44, p. 113. (also in Geological Society of America Special Paper 76, p. 267)

865. Carr, W.J., 1969, Tectonic setting of silicic volcanism in southwestern Nevada USA [abs.]: International Association of Volcanology and Chemistry of the Earth's Interior, Symposium on volcanoes and their roots, Oxford, England, September 7-13, 1969, Volume of Abstracts, p. 157.

866. Carr, W.J., 1974, Late Cenozoic tectonic history of Nevada Test Site region [abs.]: Geological Society of America Abstracts with Programs, v. 6, no. 3, p. 152.

867. Carroll, R.D., 1967, Rock properties interpreted from sonic velocity logs [abs.]: Journal of Soil Mechanics and Foundations Division, Proceedings of American Society of Civil Engineers, v. 93, no. SM3, p. 162.

868. Christiansen, R.L., and Noble, D.C., 1965, Black Mountain volcanism southern Nevada [abs.]: Geological Society of America Special Paper 82, p. 246.

869. Christiansen, R.L., Noble, D.C., Orkild, P.P., and Sargent, K.A., 1966, Cogenetic sequences and source areas in silicic volcanic terranes [abs.]: Geological Society of America 1966 Annual Meetings Program, p. 39.

870. Claassen, H.C., 1982, The application of chemical kinetics to defining the source of ground water in the west-central Amargosa Desert, Nevada [abs.]: The American Chemical Society, 38th Southwest and 6th Rocky Mountain Combined Regional Meeting, p. 50-51.

871. Claassen, H.C., 1984, Paleohydrology of the Amargosa Desert, Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 16, no. 6, p. 471.

872. Clebsch, Alfred, Jr., and others, 1959, Ground water in the Oak Spring Formation and hydrologic effects of underground nuclear explosions at the Nevada Test Site [abs.]: Geological Society of America Bulletin, v. 70, no. 12, pt. 2, p. 1581.

873. Cole, J.C., 1987, Breakup of an allochthonous slab: Origin of the Yucca Flat basin, Nevada Test Site [abs.]: Geological Society of America Abstracts with Programs, v. 19, no. 7, p. 623.

874. Crowe, B.M., Vaniman, D., Carr, W.J., and Fleck, R.J., 1980, Geology and tectonic setting of a Neogene volcanic belt within the south-central Great Basin, Nevada and California [abs.]: Geological Society of America Abstracts with Programs, v. 12, no. 7, p. 409.

875. Dickey, D.D., McKeown, F.A., and Bucknam, R.C., 1972, Preliminary results of ground deformation measurements near the Cannikin underground nuclear explosion [abs.]: Geological Society of America Abstracts with Programs, v. 4, no. 3, p. 146.

876. Diment, W.H., and others, 1959, Maximum accelerations caused by underground explosions in the Oak Spring Formation at the Nevada Test Site [abs.]: Geological Society of America Bulletin, v. 70, no.12, pt. 2, p. 1589.

877. Dodge, H.W., Jr., 1970, Klippen of Devonian eastern carbonates on upper Paleozoic clastics in central Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 2, no. 2, p. 87.

878. Eakin, T.E., and Winograd, I.J., 1965, Interbasin movement of ground water in south-central Nevada; some implicatons [abs.]: Geological Society of America Special Paper no. 82, p. 52.

879. Eargle, D.H., Lang, J.W., and Schlocker, Julius, 1965, Tatum dome, Mississippi, site of atomic explosion, Project Dribble [abs.]: American Association of Petroleum Geologists Bulletin, v. 49, no. 3, p. 339.

880. Eckel, E.B., 1959, Geology applied to underground nuclear tests [abs.]: Geological Society of America Bulletin, v. 70, no. 12, pt. 2, p. 1595.

881. Ege, J.R., 1965, A numerical rock indexing system based upon standard geologic core logging [abs.], *in* Engineering geology and modern tunneling techniques: Association of Engineering Geologists National Convention, Oct. 21-24, 1965, Denver, Colorado, p. 21-22.

882. Ekren, E.B., Quinlivan, W.D., and Marvin, R.F., 1974, Pre-Basin and Range strike-slip faulting in the Reveille and Hot Creek Ranges, central Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 6, no. 3, p. 172.

883. Gard, L.M., and Emerick, W.L., 1963, Geologic effects of the Project Gnome nuclear detonation on the Salado Formation [abs.]: Geological Society of America Special Paper 73, p. 158.

884. Gard, L.M., and Szabo, B.J., 1971, Age of the Pleistocene deposits at South Bight, Amchitka Island, Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 3, no. 7, p. 577.

885. Gonzalez, D.D., and Wollitz, L.E., 1972, Response of aquifer systems to explosions, Amchitka Island, Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 4, no. 3, p. 163-164.

886. Hamilton, R.M., and Healy, J.H., 1970, Aftershocks of the Jorum underground nuclear explosion [abs.]: EOS, Transactions American Geophysical Union, v. 51, no. 3, p. 203.

887. Hardyman, R.F., Ekren, E.B., and Byers, F.M., Jr., 1975, Cenozoic strike-slip, normal and detachment faults in the northern part of the Walker Lane, west-central Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 7, no. 7, p. 1100.

888. Healy, J.H., and Hamilton, R.M., 1969, Seismic activity following the Benham nuclear explosion [abs.]: EOS, Transactions American Geophysical Union, v. 50, no. 4, p. 248.

889. Healy, J.H., Hickman, S.H., Zoback, M.D., and Ellis, W.L., 1982, Deep borehole stress measurements at the Nevada Test Site [abs.]: EOS, Transactions American Geophysical Union, v. 63, no. 45, p. 1099-1100.

890. Hinrichs, E.N., and Corchary, G.S., 1968, Geologic structure of Yucca Flat area, Nevada [abs.]: Geological Society of America Special Paper 101, p. 401.

891. Hoover, D.L., 1964, Flow structures in welded tuff, Nye County, Nevada [abs.]: Geological Society of America Special Paper 76, p. 83.

892. Hoover, D.L., 1966, Physical and chemical changes during zeolitization of vitric tuffs and lava flows, Nevada Test Site [abs.]: Geological Society of America Special Paper 87, p. 286-287.

893. Hoover, D.L., 1980, Tectonic geomorphology of valley-edge elevations in the Great Basin [abs]: Geological Society of America Abstracts with Programs, v. 12, no. 7, p. 450.

894. Hoover, D.L., and Shepard, A.O., 1965, Zeolite zoning in volcanic rocks at the Nevada Test Site, Nye County, Nevada [abs.]: American Mineralogist, v. 50, nos. 1-2, p. 287.

895. Houser, F.N., and Poole, F.G., 1960, Primary structures in pyroclastic rocks of the Oak Spring Formation (Tertiary), northeastern Nevada Test Site, Nye County, Nevada [abs.]: Geological Society of America Bulletin, v. 71, no. 12, pt. 2, p. 2062.

896. Hudson, M.R., 1988, Paleomagnetic investigations of Tertiary rotations, southwest Nevada--Evaluation of the Yucca-Frenchman flexure [abs.]: EOS, Transactions American Geophysical Union, v. 69, no. 44, p. 1164.

897. Hudson, M.R., 1991, Characteristics of Cenozoic vertical-axis rotation in the Great Basin [abs.]: EOS, Transactions American Geophysical Union, v. 72, no. 44, p. 127.

898. Hudson, M.R., and Rosenbaum, J.G., 1990, Paleomagnetism of the southwestern Nevada volcanic field: Absence of vertical-axis rotation [abs.]: EOS, Transactions American Geophysical Union, v. 71, no. 43, p. 1295.

899. Jones, C.L., 1975, An evaluation of a potential site for emplacement of nuclear waste in rock salt of southeastern New Mexico [abs.]: New Mexico Academy of Science Bulletin v. 15, no. 2, p. 16.

900. Kachadoorian, Reuben, Sainsbury, C.L., and Campbell, R.H., 1959, Geologic factors affecting proposed nuclear test near Cape Thompson, northwest Alaska [abs.]: Geological Society of America Bulletin, v. 70, no. 12, pt. 2, p. 1795.

901. Kane, M.F., Bath, G.D., Snyder, D.B., Rosenbaum, J.G., Oliver, H.W., Ponce, D. A., and Healey, D.L., 1982, Gravity and magnetic studies in the region of the Nevada Test Site [abs.]: EOS, Transactions American Geophysical Union, v. 63, no. 45, p. 1099.

902. Keller, G.V., and others, 1959, Character of the Oak Spring Formation (Tertiary) [abs.]: Geological Society of America Bulletin, v. 70, no. 12, pt. 2, p. 1628-1629.

903. Kinoshita, W.T., and Savage, J.C., 1971, Geodetic determination of strain from a nuclear explosion at the Nevada Test Site [abs.]: Geological Society of America Program with Abstracts, v. 3, no. 2, p. 143.

904. Lang, J.W., 1964, Geologic and hydrologic conditions of the Tatum salt dome, Lamar County, Mississippi [abs.]: Mississippi Academy of Science Proceedings, v. 10, p. 170-171.

905. Leap, D.I., 1982, Testing bromide as a surrogate for tritium in tracing ground-water movement through a dolomitic aquifer [abs.]: Geological Society of America Abstracts with Programs, v. 14, no. 7, p. 543.

906. Lee, F.T., and Nichols, T.C., Jr., 1972, Some effects of geologic structure, engineering operations, and thermal changes on rock-mass behavior [abs.]: International Geological Congress, 24th Session, Canada (Montreal), Abstracts, sec. 13, Engineering Geology, p. 395.

907. Lipman, P.W., 1965, Chemical comparison of glassy and crystalline volcanic rocks [abs.]: Geological Society of America Special Paper 82, p. 260-261.

908. Lipman, P.W., and Christiansen, R.L., 1963, Relationships between basin-range faulting and Timber Mountain caldera, southern Nevada [abs.]: EOS, Transactions American Geophysical Union, v. 44, p. 113.

909. McKeown, F.A., 1969, Fault displacements and motion related to nuclear explosions [abs.]: Seismological Society of America, 1969 Annual Meeting Program, April 1-3, St. Louis University, St. Louis, Missouri, abstract no. 42.

910. McKeown, F.A., Dickey, D.D., and Brethauer, G.E., 1969, Some characteristics of strain changes related to nuclear explosions [abs.]: EOS, Transactions American Geophysical Union, v. 50, no. 4, p. 249.

911. McKeown, F.A., Dickey, D.D., and Bucknam, R.C., 1970, Preliminary analysis of geologic and geodetic data from the Jorum and Milrow nuclear events [abs.]: EOS, Transactions American Geophysical Union, v. 51, no. 3, p. 203.

912. McKeown, F.A., Orkild, P.P., and Bucknam, R.C., 1970, Earthquake phenomena generated by nuclear explosions [abs.]: Geological Society of America Abstracts with Programs, v. 2, no. 7, p. 614-615.

913. Miller, C.H., Miller, D.R., and Fairer, G.M., 1974, Orientation of explosion-induced fractures predicted from in situ stress measurements [abs.], *in* Engineering geology and the natural resources energy spectrum: Association of Engineering Geologists, 17th Annual Meeting, Oct. 14-19, 1974, Denver, Colo., Program and Abstracts, p. 29-30.

914. Minor, S.A., 1990, Fault-slip analysis of Miocene deformation in an area of volcanotectonic interaction, Yucca Flat, southern Nevada [abs.]: EOS, Transactions American Geophysical Union, v. 71, no. 43, p. 1585.

915. Monfort, M.E., and Evans, J.R.,1982, Teleseismic studies of the Earth's crust and upper mantle in southern Nevada [abs.]: EOS, Transactions American Geophysical Union, v. 63, no. 45, p. 1099.

916. Morris, R.H., and Bucknam, R.C., 1972, Geomorphic evidence of late Holocene vertical stability in the Aleutian Islands [abs.]: Geological Society of America Abstracts with Programs, v. 4, no. 3, p. 203-204.

917. Noble, D.C., 1964, Structural state of metamorphosed volcanic plagioclase from west-central Nevada [abs.]: Geological Society of America Special Paper 76, p. 123.

918. Noble, D.C., 1965, Ground-water leaching of sodium from quickly cooled volcanic rocks [abs.]: American Mineralogist, v. 50, nos. 1-2, p. 289.

919. Noble, D.C., 1966, Comenditic volcanic rocks in the western United States [abs.]: Geological Society of America Special Paper 87, p. 117-118.

920. Noble, D.C., and Bath, G.D., 1968, Geologic implications of some recent studies of iron in volcanic glass [abs.]: Geological Society of America Special Paper 101, p. 411-412.

921. Noble, D.C., and Haffty, Joseph, 1968, Gallium content of some silicic volcanic rocks [abs.]: Geological Society of America Special Paper 101, p. 412.

922. Noble, D.C., Kistler, R.W., Christiansen, R.L., Lipman, P.W., and Poole, F.G., 1965, Close association in space and time of alkalic, calc-alkalic, and calcic volcanism in southern Nevada [abs.]: Geological Society of America Special Paper 82, p. 143-144.

923. Noble, D.C., McKee, E.H., Hedge, C.E., and Blank, H.R., Jr., 1968, Reconnaissance of the Caliente depression, Lincoln County, Nevada [abs.]: Geological Society of America Special Paper 115, p. 435-436.

924. O'Connor, J.T., and Honea, R.M., 1964, X-ray study of some volcanic alkali feldspars from southern Nevada [abs.]: Geological Society of America Special Paper 76, p. 123-124.

925. Poole, F.G., 1968, Late Tertiary wind directions, southern Nye County, Nevada [abs.]: Geological Society of America Special Paper 101, p. 416.

926. Poole, F.G., and Christiansen, R.L., 1966, Ely Springs Dolomite in the southern Great Basin [abs.]: Geological Society of America Special Paper 87, p. 223-224.

927. Quinlivan, W.D., and Lipman, P.W., 1965, Compositional variations in some Cenozoic ash-flow tuffs [abs.]: Geological Society of America Special Paper 82, p. 342.

928. Raleigh, C.B., Hoskins, E.L., and Kirby, S.H., 1970, Deep-hole determinations of strain and in situ stress related to the Jorum event [abs.]: EOS, Transactions American Geophysical Union, v. 51, no. 3, p. 203.

929. Reddy, M.M., 1983, Kinetic modeling of chemical processes associated with weathering [abs.]: International Colloquium C.N.R.S. Petrology of Weathering and Soils, Paris, France, July 4-7, 1983, p. 35.

930. Reddy, M.M., and Claassen, H.C., 1984, Estimates of average major ion concentrations in bulk precipitation at two high-altitude sites near the Continental Divide in southwestern Colorado [abs.]: EOS, Transactions American Geophysical Union, v. 65, no. 45, p. 841.

931. Rosenbaum, J.G., 1990, Changes in magnetic grain size caused by laboratory heating of ash-flow tuff [abs.]: EOS, Transactions American Geophysical Union, v. 71, no. 43, p. 1288.

932. Sargent, K.A., 1965, Heavy minerals for correlation and identifications of Tertiary rhyolites at the Nevada Test Site [abs.]: Geological Society of America Special Paper 82, p. 344.

933. Sargent, K.A., and Houser, F.N., 1970, The Shingle Pass Tuff of central Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 2, no. 2, p. 141.

934. Sass, J.H., and Lachenbruch, A.H., 1982, Hydrologic implications of preliminary heat-flow data from the Nevada Test Site [abs.]: EOS, Transactions American Geophysical Union, v. 63, no. 45, p. 1099.

935. Sawyer, D.A., Fleck, R.J., Lanphere, M.A., Warren, R.G., and Broxton, D.E., 1990, Episodic volcanism in the southwest Nevada volcanic field: New $^{40}Ar/^{39}Ar$ geochronologic results [abs.]: EOS, Transactions American Geophysical Union, v. 71, no. 43, p. 1296.

936. Scott, J.H., and Carroll, R.D., 1966, Surface and underground geophysical studies at the Straight Creek tunnel site, Colorado [abs.]: Highway Research Abstracts, 46th Annual Meeting Issue, v. 36, no. 12, p. 119.

937. Shroba, R.R., 1983, Soil proprties as age indicators for Quaternary surficial deposits and faults in the Nevada Test Site area, southern Nevada [abs.]: Proceedings, Second Symposium on Containment of Underground Nuclear Explosions, Vol. 1: Lawrence Livermore National Laboratory Report CONF-830882, p. 245.

938. Shroba, R.R., Muhs, D.R., and Rosholt, J.N., 1988, Uranium-trend and uranium-series age estimates of surficial and fracture-fill deposits along part of the Carpetbag fault system, Nye County, Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 20, no. 3, p. 231.

939. Stead, F.W., 1969, Geologic considerations [abs.]: EOS, Transactions American Geophysical Union, v. 51, no. 4, p. 248.

940. Vaniman, D., Crowe, B.M., Gladney, E., Carr, W.J., and Fleck, R.J., 1980, Geology and petrology of the Crater Flat and related volcanic fields, south-central Great Basin, Nevada [abs.]: Geological Society of America Abstracts with Programs, v.12, no. 7, p. 540.

941. Warren, R.G., McDowell, F.W., Byers, F.M., Jr., Broxton, D.E., Carr, W.J., and Orkild, P.P., 1988, Episodic leaks from Timber Mountain caldera: New evidence from rhyolite lavas of Fortymile Canyon, SW Nevada volcanic field [abs.]: Geological Society of America Abstracts with Programs, v. 20, no. 3, p. 241.

942. Warren, R.G., Sawyer, D.A., and Covington, H.R., 1989, Revised volcanic stratigraphy of the southwestern Nevada volcanic field [abs.], *in* Olsen, C.W., and Carter, J.A., eds., Fifth Symposium on Containment of Underground Nuclear Explosions--Vol. 2: Mission Research Corp. Report CONF-8909163, p. 387.

943. White, A.F., 1981, Controls on isotopic compositions in ground-water systems in southern Nevada [abs.]: EOS, Transactions American Geophysical Union, v. 62, no. 17, p. 286.

944. Williams, V.S., Covington, H.R., and Simonds, F.W., 1986, Computer assisted analysis of geology beneath the valley-fill alluvium, Yucca Flat, Nevada Test Site [abs.]: Geological Society of America Abstracts with Programs, v. 18, no. 2, p. 199.

945. Winograd, I.J., 1962, Interbasin movement of ground water at the Nevada Test Site [abs.]: Geological Society of America Special Paper 68, p. 300-301.

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