STATE OF NEVADA

AGENCY FOR NUCLEAR PROJECTS/ NUCLEAR WASTE PROJECT OFFICE

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DOE/NV/10461--T50

STATE OF NEVADA
AGENCY FOR NUCLEAR PROJECTS
NUCLEAR WASTE PROJECT

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**Bibliography of Publications
Related to Nevada-Sponsored
Research of the Proposed Yucca Mountain
High-Level Radioactive Waste Repository Site
through 1994**

by

**Marva Johnson
Nevada Agency for Nuclear Projects**

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The Nevada Agency for Nuclear Projects/Nuclear Waste Project Office (NWPO) was created by the Nevada Legislature to oversee federal high-level nuclear waste activities in the State. Since 1985, it has dealt largely with the U.S. Department of Energy's siting of a high-level nuclear waste repository at Yucca Mountain in southern Nevada. As part of its oversight role, NWPO has contracted for studies of various technical questions at the Yucca Mountain Project.

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FORWARD

The Nuclear Waste Policy Act of 1982 (Public Law 97-425) provided for participation of states in the U.S. Department of Energy program to site, license, and operate a repository for the disposal of high-level radioactive waste. In 1987, the 9th Circuit Court of Appeals confirmed Nevada's right to conduct independent research into the suitability of the proposed Yucca Mountain site to protect public health, safety and the environment. Since 1985, the State has sponsored academic/private sector research into various health, safety, and environmental issues identified with the Yucca Mountain site. This research has been documented in scientific peer-reviewed literature, conferences and workshops. The state-sponsorship has also resulted in numerous University thesis and dissertation programs.

This document is a catalog of the scientific articles, manuscripts, theses, dissertations, conference symposium abstracts, and meeting presentations produced as a direct result of state-sponsored research. The purpose of the document is to provide a reference source for state-sponsored research. The document contains 422 entries cataloged by subject, then alphabetical by first author and date. Information on specific entries can be obtained by contacting the Nevada Agency for Nuclear Projects, Capitol Complex, Carson City, Nevada 89710.

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GEOLOGY

- Bell, J.W., 1988, Quaternary geology studies in the 1954 Dixie Valley and 1932 Cedar Mountain earthquake areas, central Nevada [abs.]: Geological Society of America Abstracts with Programs, 84th Annual Meeting/Cordilleran Section, March 1988, Las Vegas, Nevada, v. 20, no. 3, p. 142.
- Bell, J.W., 1991, Tephra and late Holocene alluvial-fan deposition in west-central Nevada: Is there a connection? [abs.]: Geological Society of America Abstracts with Programs, 1991 Annual Meeting, October 1991, San Diego, California, v. 23, p. A407.
- Bell, J.W., Peterson, F.F., Dorn, R.I., Ramelli, A.R., and Ku, T.L., 1991, Late Quaternary surficial geology in Crater Flat, Yucca Mountain, southern Nevada [abs.]: Geological Society of America Abstracts with Programs, 87th Annual Meeting/Cordilleran Section, March 1991, San Francisco, California, v. 23, no. 2, p. 6.
- Bridwell, H.L., 1991, The Sloan Sag: a mid-Miocene volcanotectonic depression, north-central McCullough Mountains, southern Nevada [M.S. Thesis]: University of Nevada, Las Vegas, 147 p.
- Carr, J., Fleming, K., Aymard, W., and Taylor, J., 1989, Application of a Raster-based GIS technique monitoring at Yucca Mountain, Nevada, USA [abs.]: National Conference for the 1990's Geographic Information Systems, February 1989, Ottawa, Canada, p. 302.
- Connors, K.A., McKee, E.H., Noble, D.C., and Weiss, S.I., 1991, Ash-flow volcanism of ammonia tanks age in the Oasis Valley area, SW Nevada: Bearing on the evolution of the Timber Mountain II resurgent dome: American Geophysical Union Transactions, v. 72, p. 570.
- dePolo, C.M., 1988, Styles of faulting along the White Mountains fault system, east-central California and west central Nevada [abs.]: Geological Society of America Abstracts with Programs, 84th Annual Meeting/Cordilleran Section, March 1988, Las Vegas, Nevada, v. 20, no. 3, p. 155.
- dePolo, C.M., 1989, The White Mountains fault system and implications for the uplift history of the White Mountains: White Mountains Research Station, Symposium III, Natural History of the White Inyo Range, University of California, p. 6.

- dePolo, C.M., Clark, D.G., Slemmons, D.B., and Ramelli, A.R., 1991, Historical surface faulting in the Basin and Range province, western North America: Implications for fault segmentation: *Journal of Structural Geology*, v. 13, pp. 123-136.
- dePolo, C.M., Ramelli, A.R., and Bell, J.W., 1994, Surface faulting from the 1932 Cedar Mountain earthquake, Central Nevada: *Seismological Society of America, Seismological Research Letters*, v. 65, p. 68.
- Dorn, R.I., Bell, J.W., and Peterson, F.F., 1988, Implications of rock varnish dating at Crater Flat, near Yucca Mountain, Nevada [abs.]: *Geological Society of America Abstracts with Programs*, 1988 Centennial Celebration, October 31-November 3, 1988, Denver, Colorado, v. 20, no. 7, p. A54.
- Dorn, R.I., 1989, Cation ratio dating of rock varnish: A geographic assessment: *Progress in Physical Geography*, v. 13, pp. 559-596.
- Faulds, J.E., Feuerbach, D.L., Bell, J., and Ramelli, J., 1994, Geological map of the Crater Flat Quadrangle, Nevada: Nevada Bureau of Mines and Geology, Map 101, scale 1:24,000.
- Kneiblherr, C.R., 1985, Seismic refraction surveys of alluvium-filled washes, Yucca Mountain, Nevada [M.S. Thesis]: University of Nevada, Reno, 112 p.
- Mills, J.E., 1994, Geological map of the Hoover Dam Quadrangle, Nevada and Arizona: Nevada Bureau of Mines and Geology, scale 1:24,000, in press.
- Morrison, R.B., 1991, Introduction to the Geology of North America: *in* Morrison, R.B., [ed.]: *Quaternary Nonglacial Geology, Coterminous U.S.A.*, Boulder, Colorado, Geological Society of America: *The Geology of North America*, v. K-2, pp. 1-12.
- Morrison, R.B., 1991, Quaternary stratigraphic, hydrologic, and climatic history of the Great Basin, with emphasis on lakes Lahontan, Bonneville, and Tecopa: *in* Morrison, R.B., [ed.]: *Quaternary Nonglacial Geology, Coterminous U.S.A.*, Boulder, Colorado, Geological Society of America: *The Geology of North America*, v. K-2, pp. 283-320.
- Morrison, R.B., 1994, Discussion of paleopedology, paradigms, and paleosols: A comment on the issue of disciplinary status: *in* McFadden, L.D., and McDonald, E.V., [eds.]: *International Union for Quaternary Research/International Society of Soil Science: Urbana, Illinois, INQUA/ISSS Paleopedology Commission Newsletters No. 11*, Paleopedology Commission, in press.

- Morrison, R.B., 1994, Pedostratigraphy work group report: INQUA/ISSS Paleopedology Commission Newsletter No. 11, Paleopedology Commission, International Union for Quaternary Research/International Society of Soil Science, Urbana, Illinois, in press.
- Morrison, R.B., 1995, Quaternary and Pliocene geology of Tecopa Valley, California: a five-million-year stratigraphic, tectonic, climatic, erosion, hydrologic, and hydrogeologic record: Implications for the nuclear-waste repository at Yucca Mountain, Nevada: *in* Wright, L.W., and Troxell, B. [eds.]: *Geology of Eastern Mojave Desert*, Geological Society of America Special Paper, in press.
- Morrison, R.B., 1995, Quaternary geology, eastern half of Shoshone, 7.5 minute quadrangle, California: Geological Society of America Open-File Map Series, scale 1:12,000, in press.
- Perry, J.J., 1991, Detection and identification of a compositional zonation within an ash-flow tuff in the southwestern Nevada volcanic field: A remote sensing approach [M.S. Thesis]: University of Nevada, Reno, 70 p.
- Peterson, F.F., Bell, J.W., Dorn, R.I., and Ramelli, A.R., 1994, Late Quaternary geomorphology and soils in Crater Flat, next to Yucca Mountain, southern Nevada: A reinterpretation: Geological Society of America Bulletin, in press.
- Quade, J., 1994, Black mats and younger dryas/recharge of valley aquifers near Yucca Mountain, southern Nevada [abs.]: Geological Society of America Abstracts with Programs, Geological Society of America Annual Meeting, Seattle, October 1994, v. 26, no. 7, p. A62.
- Sawyer, T., 1988, Terrace forms of possible solifluction origin on piedmont slopes of the western Great Basin [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, October 31-November 3, 1988, Denver, Colorado, v. 20, p. A374.
- Schlenger, C.M., 1989, Magnetic stratigraphy of ash-flow sheets at Yucca Mountain, Nevada: *in* Watters, R. J., [ed.]: *Engineering Geology and Geotechnical Engineering*, Balkema, Rotterdam, pp. 19-24.
- Smith, E.I., Feuerbach, D.L., Naumann, T.R., and Mills, J.E., 1990, Geochemistry and evolution of mid-Tertiary igneous rocks in the Lake Mead area of Nevada and Arizona: *in* Anderson, J.L., [ed.]: *Cordilleran Magmatism*, Geological Society of America Memoir 176, pp. 169-194.

- Smith, E.I., 1993, 1.76 b.y. old granites and rhyolites in the coterminous United States: *in* Reed, J.C., Bickford, M.E., Houston, R.S., Link, P.K., Rankin, D.W., Sims, P.K., and Van Schumus, W.R., Precambrian: Coterminous U.S., Geological Society of America: Decade of North America Geology (DNAG), v. C-2, pp. 64-66.
- Trexler, J.H., Jr., 1990, The Diamond Mountain phase of the Antler orogeny: Late Mississippian compressional deformation in east-central Nevada [abs.]: Geological Society of America Abstracts with Programs, 1990 Annual Meeting, Oct. 29-Nov. 1, 1990, Dallas, Texas, v. 22, p. 274.
- Trexler, J.H., Jr., Snyder, W.S., Cashman, P.H., Gallegos, D.M., and Spinoza, C., 1990, An orogenic hierarchy: examples of western North America [abs.]: Geological Society of America Abstracts with Programs, GSA National Meeting, v. 22, no. 7, p. A-328.
- Trexler, J.H., Jr., Snyder, W.S., Cashman, P.H., Gallegos, D.M., and Spinoza, C., 1991, Mississippian through Permian orogenesis in eastern Nevada: post-Antler, pre-Sonoma tectonics of the western cordillera: *in* Cooper, J.D., and Stevens, C.H., [eds.]: Paleozoic Paleogeography of the Western United States II: Pacific Section SEPM, AAPG, SEPM, SEG, SPWLA Pacific Sections Annual Convention, Bakersfield, California, v. 67, pp. 317-330.
- Watters, R.J., Chuck, D.M., 1989, Effects of porosity on acoustic emission signatures: *Journal of Acoustic Emission*, v. 8, no. 1-2, pp. 258-261.
- Watters, R.J., and Carr, J.R., 1989, New techniques in rock mass classification applied to Yucca Mountain tuffs, Nevada: Society of Mining Engineers Annual Meeting, Las Vegas, Reprint No. 89-28.
- Watters, R.J., and Chuck, D.M., 1989, Acoustic emission signatures of Yucca Mountain Tuffs, Nevada: Proceedings of the 30th U.S. Rock Mechanics Symposium, Morgantown, West Virginia, pp. 245-252.
- Weiss, S.I., and Noble, D.C., 1989, Stonewall Mountain volcanic center, southern Nevada: Stratigraphic, structural and facies relations of outflow sheets, near-vent tuffs and intracaldera units: *Journal of Geophysical Research*, v. 94, pp. 6059-6074.
- Worthington, J.E., IV, 1992, Neogene structural and volcanic geology of the Gold Mountain-Slate Ridge area, Esmeralda County, Nevada [M.S. Thesis]: University of Nevada, Reno, 76 p.

TECTONICS

- Caskey, S.J., 1990, Post 3 to 4 Ma tectonic rejuvenation of the Death Valley region--A model [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 13.
- Caskey, S.J., 1991, Mesozoic and Cenozoic structural geology of the CP Hills, Nevada Test Site, Nye County, Nevada, and regional implications [M.S. Thesis]: University of Nevada, Reno, 153 p.
- Caskey, S.J., and, Schweickert, R.A., 1989, Mesozoic west-vergent thrust in the CP Hills, Nevada Test Site, Nye County, NV. [abs.]: Geological Society of America Abstracts with Programs, v. 21, no. 5, p. 64.
- Caskey, S.J., and, Schweickert, R.A., 1992, Mesozoic deformation in the Nevada Test Site and vicinity: Implications for the structural framework of the Cordilleran fold and thrust belt and Tertiary extension north of Las Vegas Valley: *Tectonics*, v. 11, no. 6, pp. 1314-1331.
- dePolo, C.M., 1992, The 1932 Cedar Mountain earthquake: An example of active tectonism in the Walker Lane: Geological Society of Nevada: Structure, Tectonics, and Mineralization of the Walker Lane, pp. 137-138.
- Donovan, D.E., 1990, Active fault patterns of the southern Amargosa Desert, Nye County, Nevada [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 19.
- Donovan, D.E., 1991, Neotectonics of the southern Amargosa Desert, Nye County, Nevada and Inyo County, California [M.S. Thesis]: University of Nevada, Reno, 151 p.
- Ellis, M.A., 1987, The relation between stretching lineations and relative plate motions, and the origin of orogen-parallel extension [abs.]: American Geophysical Union, EOS Transactions, v. 68, no. 44, pp. 1449-1450.
- Ellis, M.A., Bodin, P., and, Anderson, J.G., 1988, Geological and geophysical evidence for the existence of low-angle normal faults [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, pp. A235-A236.

- Ellis, M.A., Zhang, P., and Slemmons, D.B., 1989, Active tectonics of the southern Panamint Valley: Implications for the proposed low-angle normal fault under northern Panamint Valley [abs.]: American Geophysical Union Transactions, v. 70, no. 15, p. 465.
- Ellis, M.A. and Dunlap, W.J., 1988, Displacement variation along thrust faults: Implications for the development of large faults: Journal of Structural Geology, v. 10, no. 2, pp. 183-192.
- Elwood, R., 1991, Structure of the western Pahranaagat shear system [abs.]: Geological Society of America Abstracts with Programs, 87th Annual Meeting/Cordilleran Section, March 1991, San Francisco, California, v. 23, no. 2, p. 22.
- Hoffard, J.L., 1990, Quaternary fault patterns in Pahrump Valley, Nevada and Stewart Valley, California [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 29.
- Hoffard, J.L., 1991, Quaternary tectonics and basin history of Pahrump and Stewart Valleys, Nevada and California [M.S. Thesis]: University of Nevada, Reno, 138 p.
- Ismail, A., 1986, Crustal structure in vicinity of Yucca Mountain [M.S. Thesis]: University of Nevada, Reno, 106 p.
- King, G., and Ellis, M.A., 1991, The origin of large local uplift in extensional regions: Nature, v. 348, pp. 689-693.
- McKee, E.H., Noble, D.C., and Weiss, S.I., 1990, Late Neogene volcanism and tectonism in the Goldfield segment of the Walker Lane belt [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 66.
- Nitchman, S.P., Caskey, S.J., and Sawyer, T.L., 1990, Change in Great Basin tectonics at 3 to 4 Ma--a hypothesis [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 72.
- Noble, D.C., Weiss, S.I., and McKee, E.H., 1990, Style, timing, distribution and direction of Neogene extension within and adjacent to the Goldfield section of the Walker Lane structural belt: American Geophysical Union Transactions, v. 71, no. 20, pp. 618-619.

- Noble, D.C., Worthington, J.E., and McKee, E.H., 1991, Geologic and tectonic setting and Miocene volcanic stratigraphy of the Gold Mountain-Slate Ridge area, southwestern Nevada [abs.]: Geological Society of America Abstracts with Programs, 1991 GSA Annual Meeting, October 1991, San Diego, California, v. 23, p. A247.
- Noble, D.C., Weiss, S.I., Worthington, J.E., IV, and McKee, E.H., 1993, Neogene structural evolution of Gold Mountain, Slate Ridge and adjacent areas, Esmeralda and Nye Counties, SW Nevada [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 127.
- Ramelli, A.R., Bell, J.W., and dePolo, C.M., 1988, Evidence for distributive faulting at Yucca Mountain, Nevada [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, October 31-November 3, 1988, Denver, Colorado, v. 20, p. 383.
- Ramelli, A.R., Sawyer, T.L., Bell, J.W., dePolo, C.W., Peterson, F.F., and Dorn, R.I., 1989, Preliminary analysis of fault and fracture patterns at Yucca Mountain, southern Nevada: American Nuclear Society: Proceedings of Focus '89, Nuclear Waste in the Unsaturated Zone, pp. 336-343.
- Ramelli, A.R., and dePolo, C.M., 1987, Late Quaternary tectonism of the southern White Mountains fault system, east-central California [abs.]: Geological Society of America Abstracts with Programs, 83rd Annual Meeting/Cordilleran Section, May 1987, Hilo, Hawaii, v. 19, no. 6, p. 441.
- Ramelli, A.R., Bell, J.W., and dePolo, C.M., 1991, Late Quaternary faulting at Crater Flat, Yucca Mountain, southern Nevada: submitted to *Geology*, in review.
- Reynolds, T.B., 1990, Structural geology of the eastern part of the Pahranaagat fault system--a progress report [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 77.
- Sawyer, T.L., 1990, Quaternary geology and neotectonic activity along the Fish Lake Valley fault zone, Nevada and California [M.S. Thesis]: University of Nevada, Reno, 379 p.
- Schweickert, R.A., Lahren, M.M., and Caskey, S.J., 1988, Major Triassic thrust belt in eastern Sierra Nevada (ESN) and White-Inyo Mountain (WIM): A new hypothesis [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, p. A273.

- Schweickert, R.A., 1989, Evidence for a concealed dextral strike-slip fault beneath Crater Flat, Nevada [abs.]: Geological Society of America Abstracts with Programs, 1989 Annual Geological Society of America Meeting, November 1989, St. Louis, Missouri, v. 21, p. A90.
- Schweickert, R.A., and Caskey, S.J., 1990, Pre-Middle Miocene extensional history of the Nevada Test Site (NTS) region, southern Nevada [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 81.
- Schweickert, R.A., Gillett, S.L., Zhang, Y., and Karlin, R.E., 1994, Sevier-age motion of the Las Vegas Valley shear zone? Implications of a late Cretaceous normal-polarity paleomagnetic overprint in southern Nevada: American Geophysical Union Transactions, v. 75.
- Smith, E.I., Feuerbach, D.L., and Duebendorfer, E., 1991, Magmatism, extensional tectonics and sedimentation in the Lake Mead area, Nevada and Arizona: A new model [abs.]: Geological Society of America Abstracts with Programs, 87th Annual Meeting/Cordilleran Section, March 1991, San Francisco, California, v. 23, no. 2, p. 99.
- Trexler, J.H., Jr., Snyder, W.S., Cashman, P.H., Gallegos, D.M., and Spinoza, C., 1991, Mississippian through Permian orogenesis in eastern Nevada: Post-Antler, pre-Sonoma tectonics of the western cordillera: AAPG, SEPM, SEG, SPWLA Pacific Sections Annual Convention, Bakersfield, California.
- Walker, N.D., 1986, Remote sensing analysis of southern Walker Lane [M.S. Thesis]: University of Nevada, Reno, 118 p.
- Weiss, S.I., Noble, D.C., and McKee, E.H., 1988, Volcanic and tectonic significance of the presence of late Miocene Stonewall Flat Tuff in the vicinity of Beatty, Nevada [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, p. A399.
- Weiss, S.I., Connors, K.A., Noble, D.C., and McKee, E.H., 1990, Coeval crustal extension and magmatic activity in the Bullfrog Hills during the latter phases of Timber Mountain volcanism [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, pp. 92-93.

- Weiss, S.I., Noble, D.C., Worthington, J.E., IV, and McKee, E.H., 1993, Neogene tectonism from the southwestern Nevada volcanic field in the White Mountains, California: Part I: Miocene volcanic stratigraphy, paleotopography, extensional faulting and uplift between northern Death Valley and Pahute Mesa: *in* Lahren, M.M., Trexler, J.H., Jr., and Spinoso, C., [eds.]: *Crustal Evolution of the Great Basin and Sierra Nevada*, Geological Society of America: Field Trip Guidebook for the 1993 Joint Cordilleran and Rocky Mountain Sections, pp. 353-369.
- Worthington, J.E., Noble, D.C., and Weiss, S.I., 1991, Structural geology and Neogene extensional tectonics of the Gold Mountain-Slate Ridge area, southwestern Nevada [abs.]: Geological Society of America Abstracts with Programs, 1991 Annual Meeting, October 1991, San Diego, California, v. 23, p. A247.
- Yount, J.C., Bell, J.W., dePollo, C.W., and Ramelli, A.R., 1993, Neotectonics of the Walker Lane, Pyramid Lake to Tonopah, Nevada: *in* Lahren, M.M., Trexler, J.H., Jr., and Spinoso, C., [eds.]: *Crustal evolution of the Great Basin and the Sierra Nevada*, Geological Society of America: Field Trip Guidebook for the 1993 Joint Cordilleran and Rocky Mountain Sections, pp. 383-408.
- Zhang, Y., Gillett, S., Karlin, R.E., and Schweickert, R.A., 1993, Paleomagnetism of the Miocene dikes in Bare Mountain, southwest Nevada: Implications for regional tectonics [abs.]: Geological Society of America Abstracts with Programs: 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. A169.
- Zhang, Y., and Schweickert, R.A., 1991, Structural analysis of Bare Mountain, southern Nevada [abs.]: Geological Society of America Abstracts with Programs, 1991 Annual Meeting, October 1991, San Diego, California, v. 23, pp. A185-186.

VOLCANIC HAZARDS

- Bradshaw, T.K., Hawkesworth, C.J., and Gallagher, K., 1993, Basaltic volcanism in the southern Basin and Range: No role for a mantle plume: *Earth and Planetary Science Letters*, v. 116, pp. 45-62.
- Bradshaw, T.K., and Smith, E.I., 1993, Quaternary basalts in S. Nevada, U.S.A.: Melting of metasomatised lithospheric mantle [abs.]: IAVCEI General Assembly, Canberra, Australia, Abstracts, p. 12.
- Bradshaw, T.K., and Smith, E.I., 1994, Polygenetic Quaternary volcanism in Crater Flat, Nevada: *Journal of Volcanology and Geothermal Research*, in press.
- Bradshaw, T.R., 1993, Trachyandesite magmas in the Colorado River trough [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 13.
- Cascadden, T.E., 1991, Styles of volcanism and extensional tectonics in the eastern Basin and Range province: Northern White Hills, Arizona [M.S. Thesis]: University of Nevada, Las Vegas, 156 p.
- Cascadden, T.E., and Smith, E.I., 1991, Intermediate and mafic volcanic rocks of the northern White Hills, Arizona: Implications for the production of intermediate composition volcanic rocks during regional extension [abs.]: Geological Society of America Abstracts with Programs, 1991 Annual Meeting, October, San Diego, California, v. 23, no. 5, p. A390.
- Cascadden, T.E. and Smith, E.I., 1991, The eastern boundary of the extensional allochthon in the eastern Basin and Range: Volcanic and structural geology of the northern White Hills, Arizona [abs.]: Geological Society of America Abstracts with Programs, 87th Annual Meeting/Cordilleran Section, March 1991, San Francisco, California, v. 23, no. 2, p. 12.
- Cole, E.D., 1989, Petrogenesis of late Cenozoic alkalic basalt near the eastern boundary of the Basin and Range: Upper Grand Wash Trough, Arizona and Gold Butte, Nevada [M.S. Thesis]: University of Nevada, Las Vegas, 68 p.
- Cole, E.D., and Smith, E.I., 1989, Late-Cenozoic alkalic basalts near the eastern boundary of the Basin and Ridge province, northwestern Arizona and Nevada [abs.]: Geological Society of America Abstracts with Programs, 85th Annual Meeting/ Cordilleran Section and 42nd Annual Meeting/Rocky Mountain Section, May 1989, Spokane, WA., v. 21, no. 5, p. 67.

- Faulds, J., and Duebendorfer, E., 1991, Implications of along-strike variations in basin geometry on the kinematics of Miocene extension, northwest Arizona and southern Nevada [abs.]: Geological Society of America Abstracts with Programs, 87th Annual Meeting/Cordilleran Section, March 1991, San Francisco, California, v. 23, no. 2, p. 24.
- Faulds, J.E., Feuerbach, D.L., and Smith, E.I., 1991, New insights on structural controls and emplacement mechanisms of Pliocene/Quaternary basaltic dikes, southern Nevada and northwestern Arizona [abs.]: Geological Society of America Abstracts with Programs, 1991 Annual Meeting, October 1991, San Diego, California, v. 23, no. 5, p. A118.
- Feuerbach, D.L., 1986, Geology of the Wilson Ridge pluton: a mid-Miocene quartz monzonite intrusion in the Northern Black Mountains, Mojave County, Arizona and Clark County, Nevada [M.S. Thesis]: University of Nevada, Las Vegas, 79 p.
- Feuerbach, D.L., Smith, E.I., Walker, J.D., and Tangeman, J.A., 1991, The transition from subalkalic to alkalic volcanism in the Lake Mead area of Nevada and Arizona: Geochemical and isotopic constraints [abs.]: 87th Annual Meeting/Cordilleran Section, March 1991, San Francisco, California, v. 23, no. 2, p. 24.
- Feuerbach, D.L., Smith, E.I., Shafiqullah, M., and Damon, P.E., 1991, New K-Ar ages for mafic to intermediate late-Miocene to Pliocene volcanic rocks in the Lake Mead area, Arizona and Nevada: Isochron West, pp. 17-20.
- Feuerbach, D.L., Smith, E.I., Walker, J.D., and Tangeman, J.A., 1993, The role of the mantle during crustal extension: Constraints with geochemistry of volcanic rocks in the Lake Mead area, Nevada and Arizona: Geological Society of America Bulletin, v. 105, no. 12, pp. 1561-1575.
- Feuerbach, D.L., and Smith, E.I., 1987, Late-Miocene Fortification Hill basalt, Lake Mead area, Nevada and Arizona: source areas and conduit geometry [abs.]: Geological Society of America Abstracts with Programs, 83rd Annual Meeting/Cordilleran Section, May 1987, Hilo, Hawaii, v. 19, no. 6, pp. 376-377.
- Feuerbach, D.L., and Smith, E.I., 1988, Changes in volcanism during declining stages of regional extension in the Lake Mead area, Nevada and Arizona [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, no. 7, p. 114.

- Feuerbach, D.L. and Smith, E.I., 1990, Structural control of Pleistocene volcanism in Crater Flat, Nevada [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 23.
- Ho, C.H., 1990, Time trend analysis of basaltic volcanism near the Yucca Mountain site: Journal of Volcanology and Geothermal Research, v. 46, pp. 61-72.
- Ho, C.H., 1990, Bayesian analysis of volcanic eruptions: Journal of Volcanology and Geothermal Research, v. 43, pp. 91-98.
- Ho, C.H., 1991, Predictions of volcanic eruptions at Mt. Vesuvius, Italy: Journal of Geodynamics, v. 15, pp. 13-18.
- Ho, C.H., 1991, Nonhomogeneous Poisson Model for volcanic eruptions: Mathematical Geology, v. 23, pp. 167-173.
- Ho, C.H., 1991, Prediction of volcanic eruptions: An application to the Yucca Mountain site, U.S.A.: presented at the International Conference on Active Volcanoes and Risk Mitigation held in Napoli, Italy, August 27-September 1, 1991.
- Ho, C.H., Smith, E.I., Feuerbach, D.L., and Naumann, T.R., 1991, Eruptive probability calculation for the Yucca Mountain site, USA: Statistical estimation of recurrence rates: Bulletin of Volcanology, v. 54, pp. 50-56.
- Ho, C.H., 1992, Statistical control chart for regime identification in volcanic time series: Mathematical Geology, v. 24, pp. 775-787.
- Ho, C.H., 1992, Risk assessment for the Yucca Mountain high-level nuclear waste repository site: Estimation of volcanic disruption: Mathematical Geology, v. 24, pp. 347-364.
- Ho, C.H., 1992, Prediction of explosive eruptions at Volcan de Colima, Mexico: presented at 2nd International Reunion on Volcanology, Colima, Mexico, January 20-24, 1992.
- Ho, C.H., 1992, Volcanic risk assessment for the Yucca Mountain high-level nuclear waste repository at site: presented at the 29th International Geological Congress held in Kyoto, Japan, August 25-September 4, 1992.
- Ho, C.H., 1993, Forward and backward tests for an abrupt change in the intensity of a Poisson process: Journal of Statistical Computation and Simulation, v. 48, pp. 245-252.

- Ho, C.H., 1994, Sensitivity in risk assessment for the Yucca Mountain high-level nuclear waste repository site: The Model and the data: presented at 4th International Meeting and a Decade Volcano Workshop, Colima, Mexico, Jan. 24-28, 1994.
- Ho, C.H., 1994, The role of the Bayesian Prior in volcanic risk calculations at the Yucca Mountain nuclear waste repository site, U.S.A.: presented at the 2nd Annual Meeting of the International Society of Bayesian Analysis held in Alicante, Spain, June 10-June 11, 1994.
- Ho, C.H., 1994, Volcanism at the Yucca Mountain nuclear waste repository site, U.S.A., A Decision analysis perspective: poster presentation at the 5th Valencia International Meeting on Bayesian Statistics held in Alicante, Spain, June 5-June 9, 1994.
- Johnson, W.M., Reed, R.C., Metcalf, R.V., and Smith, E.I., 1993, Potential extrusive equivalents of the Miocene Mt. Perkins pluton, Mojave County, Arizona: *Journal of the Arizona-Nevada Academy of Science*, v. 28, p. 44.
- Larsen, L.L., 1989, The origin of the Wilson Ridge pluton and its enclaves, northwest Arizona: Implications for the generation of a calc-alkaline intermediate pluton in an extensional environment [M.S. Thesis]: University of Nevada, Las Vegas, 81 p.
- Martin, M., 1994, Geological map of the Reveille Quadrangle, Nevada: Nevada Bureau of Mines and Geology, scale 1:24,000, in press.
- Metcalf, R.V., Smith, E.I., and Mills, J.G., 1993, Magma mixing and commingling in the northern Colorado River extensional corridor: Constraints on the production of intermediate magmas: *in* Lahren, M.M., Trexler, J.H., and Spinoso, C., [eds.]: *Crustal Evolution of the Great Basin and Sierra Nevada*, Geological Society of America: Field Trip Guidebook for the 1993 Joint Cordilleran and Rocky Mountain Sections, pp. 35-56.
- Morikawa, S.A., 1993, The geology of the tuff of Bridge Spring: southern Nevada and northwestern Arizona [M.S. Thesis]: University of Nevada, Las Vegas, 165 p.
- Naumann, T.R., 1987, Geology of the central Boulder Canyon Quadrangle, Clark County, Nevada [M.S. Thesis]: University of Nevada, Las Vegas, 68 p.
- Naumann, T.R., Smith, E.I., and Shafiqullah, M., 1990, Post 6-Ma intermediate volcanism in the Reveille Range, Central Great Basin, Nevada [abs.]: *Geological Society of America Abstracts with Programs*, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 72.

- Naumann, T.R., Feuerbach, D.L., and Smith, E.I., 1991, Structural control of Pliocene volcanism in the vicinity of the Nevada Test Site, Nevada: An example from Buckboard Mesa [abs.]: 87th Annual Meeting/Cordilleran Section, March 1991, San Francisco, California, v. 23, no. 2, p. 82.
- Naumann, T.R., Smith, E.I., Shafiqullah, M., and Damon, P.E., 1991, New K-Ar ages for mafic to intermediate volcanic rocks in the Reveille Range, Nevada: Isochron West, pp. 12-16.
- Naumann, T.R., and Smith, E.I., 1988, Compositional trends within late-Cenozoic alkalic basalts of the central Great Basin, Nevada [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, no. 7, p. 114.
- Rowell, A.J., Rees, M.N., Duebendorfer, E.M., Wallin, E.T., Van Schmus, W.R., and Smith, E.I., 1993, An active Neoproterozoic margin: evidence from the Skelton Glacier area, Transantarctic Mountains: *Journal of the Geological Society*, London, v. 150, pp. 677-682.
- Smith, E.I., Feuerbach, D.L., Naumann, T.R., and Faulds, J.E., 1990, The area of most recent volcanism about Yucca Mountain, Nevada: Implications for volcanic risk assessment: American Nuclear Society: Proceedings of the International Nuclear Waste Symposium, American Nuclear Society of Civil Engineers, April 1990, v. 1, pp. 90-97.
- Smith, E.I., Feuerbach, D.L., Naumann, T.R., and Ho, C.H., 1991, Volcanic risk assessment studies for the proposed high-level radioactive waste repository at Yucca Mountain, Nevada, USA [abs.]: International Conference on Active Volcanoes and Risk Mitigation, Naples, Italy, August 27-September 1, 1991, Abstract Volume.
- Smith, E.I., Feuerbach, D.L., Naumann, T.R., Walker, J.D., and Tangeman, J.A., 1993, Role of the mantle during crustal extension [abs.]: IAVCEI General Assembly, Canberra, Australia, p. 102.
- Smith, E.I., Morikawa, S.A., Martin, M.W., Gonzales, D.A., and Walker, J.D., 1993, Tuff of Bridge Spring: A mid-Miocene ash flow tuff, northern Colorado River extensional corridor, Nevada and Arizona [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 148.

- Smith, E.I., Bridwell, H., Schmidt, C., Switzer, T., and the 1993 Winter Field Course, 1993, Late-Miocene intermediate to felsic volcanism in the McCullough Range, southern Nevada [abs.]: Journal of the Arizona-Nevada Academy of Science, v. 28, p. 45.
- Yogodzinski, G.M., Bailey, D.G., Volynets, O.N., Braitseva, O.A., Sulerzhitsky, L.D., Melekestev, J.V., Churikova, T., and Kay, R.W., 1993, Ultramafic xenoliths and melt-peridotite interaction in the calc-alkaline igneous system: Examples from Avachinsky Volcano, eastern Kamchatka: American Geophysical Union Transactions, v. 74, p. 679.
- Yogodzinski, G.M., Volynets, O.N., Kay, R.W., and Patoka, M.G., 1993, Alkaline magmatism in a subduction environment: Late Cenozoic intraplate and arc series volcanic rocks in Kamchatka: American Geophysical Union Transactions, v. 73, pp. 644-645.
- Yogodzinski, G.M., Rubenstone, J.L., Kay, S.M., and Kay, R.M., 1993, Magmatic and tectonic development of the western Aleutians: An oceanic arc in a strike-slip setting: Journal of Geophysical Research, v. 98, no. B7, p. 11, 807-11, 834.
- Yogodzinski, G.M., Naumann, T.R., and Smith, E.I., 1994, Temporal and geochemical features of volcanism in the Reville Range of south-central Nevada, U.S.A. [abs.]: Abstracts for the 4th International Meeting, Volcanology of Volcan de Colima: A Decade Volcano, p. 187.

SEISMOLOGY

- Anderson, J.G., Louie, J., Brune, J., dePolo, C., Savage, M., and Yu, G., 1992, Seismicity in Nevada apparently triggered by the Landers, California earthquake, June 28, 1992 [abs.]: American Geophysical Union Transactions, 1993 Fall Meeting, EOS Transactions, vol. 73, no. 43, p. 393.
- Anderson, J.G., Brune, J.N., Louie, J.N., Zeng, Y., Savage, M., Yu, G., Chen, Q., and dePolo, C., 1992, Seismicity in the Western Great Basin apparently triggered by the Landers, California, Earthquake, 28 June 1992: Bulletin of the Seismological Society of America, v. 82, no. 3, pp. 863-891.
- Anderson, J.G., Ellis, M., and dePolo, C.M., 1993, Earthquake rate analysis: *in* F. Lund, [ed.]: New horizons in strong motion: Seismic Studies and Engineering Practice: Tectonophysics, v. 218, no. 1/3, pp. 1-21.
- Anderson, J.G., dePolo, C.W., Bell, J.W., and Siddharthan, R., 1993, Peak ground acceleration in Nevada [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 3.
- Brune, J.N., 1992, Distribution of precariously balanced rocks in Nevada and California: Correlation with probability maps for strong ground motion [abs.]: American Geophysical Union Transactions, v. 73, no. 43, p. 351.
- Brune, J.N., Nicks, W., and Aburto, A., 1992, Microearthquakes at Yucca Mountain, Nevada: Seismological Society of America Bulletin, v. 82, no. 1, pp. 164-172.
- dePolo, C.M., Smith, K.D., and Priestley, K.F., 1988, Faulting patterns in the July 1986 Chalfant, California earthquake sequence: Seismological Society of America, Seismological Research Letters, v. 59, no. 1, p. 20.
- dePolo, C.M., and Ramelli, A.R., 1987, Preliminary report on surface fractures along the White Mountains fault zone associated with the July 1986 Chalfant Valley earthquake sequence: Seismological Society of America Bulletin, v. 77, pp. 290-296.
- Peppin, W.A., 1992, Real-time analogue and digital data acquisition through CUSP: Seismological Society of America, Seismological Research Letters, v. 63, no. 2, pp. 181-189.

Savage, M.K., and Anderson, J.G., 1994, A local magnitude scale for the western Great Basin-Eastern California region from synthetic Wood-Anderson seismograms: Seismological Society of America Bulletin, in review.

SEISMIC HAZARD

- Beatty, C.B., and dePolo, C.M., 1989, Energetic earthquakes and boulders on alluvial fans--is there a connection?: *Seismological Society of America Bulletin*, v. 79, pp. 219-224.
- Bell, J.W., dePolo, C.W., and Ramelli, A.R., 1987, The 1932 Cedar Mountain earthquake and its relationship to Yucca Mountain: Late Cenozoic evolution of the southern Great Basin--A Workshop, University of Nevada, Reno.
- Bell, J.W., Ramelli, A.R., dePolo, C.W., Maurer, D.K., and Prudic, D.E., 1989, Extensional cracking along an active normal fault: A case for creep on a Basin and Range fault? [abs.]: *Seismological Society of America, Seismological Research Letters*, v. 60, no. 1, p. 30.
- Bell, J.W., 1993, Behavior of late Quaternary and historical faults in the western Basin and Range province [abs.]: *Geological Society of America Abstracts with Programs*, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 8.
- Bell, J.W., and Hoffard, J.L., 1990, Late Quaternary tectonic setting for a possible fault creep event in the Pine Nut Mountains area, western Nevada [abs.]: *Geological Society of America Abstracts with Programs*, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 7.
- Brune, J.N., 1993, Precariously balanced rocks in Nevada and California: Implications for earthquake hazard in Nevada, particularly in Yucca Mountain [abs.]: *Geological Society of America Abstracts with Programs*, May 1993 Meeting/Cordilleran and Rocky Mountain Sections, v. 25, no. 5, p. 15.
- Brune, J.N., 1993, Constraints on ground motion from great earthquakes provided by groups of precarious rocks: *Seismological Society of America*, 89th Annual Meeting, April 5-7, 1994, v. 65, no. 1, p. 64.
- Brune, J.N., and Whitney, J.W., 1992, Precariously balanced rocks with rock varnish: Paleoindicators of maximum ground acceleration? *Seismological Society of America*, 1992 Meeting, v. 65, no. 1, p. 64.
- dePolo, C.M., Bell, J.W., and Ramelli, A.R., 1987, Geometry of strike-slip faulting related to the 1932 Cedar Mountain earthquake, central Nevada [abs.]: *Geological Society of America Abstracts with Programs*, 83rd Annual Meeting/Cordilleran Section, May 1987, Hilo, Hawaii, v. 19, no. 6, p. 371.

- dePolo, C.M., Bell, J.W., and Peterson, F.F., 1987, Methods for estimating earthquake size for seismic hazard assessment [abs.]: Geological Society of America Abstracts with Programs, 1987 GSA Annual Meeting & Exposition, October 1987, Phoenix, Arizona, v. 19, p. 641.
- dePolo, C.M., 1989, The seismic potential of the White Mountains fault system, east-central California and west-central Nevada: American Geophysical Union Transactions, v. 70, p. 1191.
- dePolo, C.M., Clark, D.G., Slemmons, D.B., and Ramelli, A.R., 1989, Historical surface faulting in the Basin and Range province, USA--implications for earthquake segmentation: International Geological Correlation Program Project 206: A worldwide comparison of active faults.
- dePolo, C.M., Clark, D.G., Slemmons, D.B., and Aymard, W.H., 1989, Historical Basin and Range Province surface faulting and fault segmentation: *in* Schwartz, D.P., and Gibson, R.H., [eds.]: Proceedings of Conference XXXX, Fault Segmentation and Controls of Rupture Initiation and Termination: U.S.G.S., Survey Open-File Report 89-315, pp. 131-162.
- dePolo, C.M., Bell, J.W., and Ramelli, A.R., 1989, The use of the relative comparison approach to Yucca Mountain and the 1932 Cedar Mountain area: Nevada Bureau of Mines and Geology, Open File Report 89-1, pp. 79-81.
- dePolo, C.M., Bell, J.W., and Ramelli, A.R., 1990, Estimation of earthquake sizes in the Basin and Range province, western United States: Perspectives gained from historical earthquakes: American Nuclear Society, Proceedings of the First Annual International High-Level Radioactive Waste Conference, April 1990, vol. 1, pp. 117-223.
- dePolo, C.M., Clark, D.G., Slemmons, D.B., and Ramelli, A.R., 1990, Historical surface faulting in the Basin and Range province: Implications for earthquake segmentation [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 18.
- dePolo, C.M., Clark, D.G., and Slemmons, D.B., 1991, Historical surface faulting in the Basin and Range province, western North America: Implications for fault segmentation: The Journal of Structural Geology, published in London, Pergamon Press.

- dePolo, C.M., 1992, Analysis of the seismic hazard of faults in and adjacent to Nevada [abs.]: American Institute of Professional Geologists, Geologic Reason--A Basis for Decisions Affecting Society: Program with Abstracts, p. 19.
- dePolo, C.M., Ramelli, A.R., Caskey, S.J., and Nitchman, S.P., 1992, Is there an earthquake hazard associated with warped range fronts in the Basin and Range province?: Seismological Society of America: Seismological Research Letters, v. 63, no. 1, p. 39.
- dePolo, C.M., Peppin, W.A., and Johnson, P.A., 1993, Contemporary tectonics, seismicity, and potential earthquake sources in the White Mountains seismic gap, west-central Nevada and east-central California: Tectonophysics, v. 225, pp. 271-299.
- dePolo, C.M., 1993, Analysis of the seismic hazard of faults in Nevada [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 29.
- dePolo, C.M., Bell, J.W., and Ramelli, A.R., 1993, Distributed surface faulting from the 1932 Cedar Mountain earthquake, west-central Nevada: Seismic hazard implications for the Basin and Range province [abs.]: in review.
- dePolo, C.M., 1994, The maximum background earthquake for the Basin and Range Province, western North America: Seismological Society of America Bulletin, v. 84, pp. 466-472.
- dePolo, C.M., and Slemmons, D.B., 1990, Estimation of earthquake hazards: *in* Krinitzky, E.L. and Slemmons, D.B., [eds.]: Neotectonics in earthquake evaluation: Geological Society of America, Reviews in Engineering Geology, v. 8, pp. 1-28.
- dePolo, C.M., and Slemmons, D.B., 1993, 125,000 year vs. 10,000 year (Holocene) classification of 'active' faults in the Basin and Range Province [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 29.
- Sawyer, T.L., 1988, Chronology of late Holocene paleoseismicity of the northern Death Valley Furnace Creek fault zone, Fish Lake Valley, California-Nevada [abs.]: Geological Society of America, 84th Annual Meeting/Cordilleran Section, March 1988, Las Vegas, Nevada, v. 20, No. 3, p. 228.

- Shi, B., Zeng, Y., Anooshehpour, R., and Brune, J.N., 1993, Physical and mathematical modeling of the precariously balanced rocks with application to earthquake hazard analysis [abs.]: American Geophysical Union Transactions, v. 74, no. 43, p. 422.
- Zhang, P., Ellis, M.A., Slemmons, D.B., and Mao, F., 1990, Right-lateral displacements and the Holocene slip rate associated with prehistoric earthquakes along the southern Panamint Valley fault zone: Implications for southern Basin and Range tectonics and coastal California deformation: Journal of Geophysical Research, v. 95, no. B4, pp. 4857-4872.

HYDROGEOLOGY

- Brown, T.P., Lehman, L.L., and Nieber, J.L., 1993, Testing conceptual unsaturated flow models using numerical simulation of real data for the proposed high level nuclear waste repository at Yucca Mountain, Nye County, Nevada [abs.]: 1993 American Geophysical Union Annual Meeting, Baltimore, Maryland, May, 1993.
- Brown, T.P., Lehman, L.L., and Nieber, J.L., 1993, Testing conceptual unsaturated zone flow models for Yucca Mountain, Nye County, Nevada: American Nuclear Society, Topical Meeting on Site Characterization and Model Validation - FOCUS '93, Las Vegas, NV, September 1993.
- Brown, T.P., Lehman, L.L., Nieber, J.L., and Brown, T., 1994, Testing conceptual unsaturated zone models for Yucca Mountain: American Nuclear Society, International High-Level Radioactive Waste Management Conference, Las Vegas, Nv., May, 1994, vol. 4, pp. 1999-2006.
- Brown, T.P., and Barnes, R.J., 1994, Stochastic analytic elements for ground water modeling: presented at Analytic Element Modeling of Groundwater Flow Conference, Indianapolis, Indiana, April 1994.
- Brown, T.P., and Lehman, L.L., 1994, Analysis of Devil's Hole water level patterns and correlation with data from other hydrologic features: presented at 'Third Devils Hole Workshop' in Las Vegas, Nevada, July 28, 1994.
- Byer, R.M., 1991, A carbon-14 calibrated discrete-state compartment model of the groundwater flow system, Yucca Mountain and vicinity, Nevada-California [M.S. Thesis]: University of Nevada, Reno, 249 p.
- Cernoch, B.M., 1991, Joint roughness and fractal geometry [M.S. Thesis]: University of Nevada, Reno, 79 p.
- Chekuri, V.S., Tyler, S.W., and Fordham, J.W., 1994, The role of fracture coatings on water imbibition into unsaturated tuff: American Nuclear Society, 5th Annual International High-Level Radioactive Waste Management Conference, May 22-26, 1994, Las Vegas, Nevada, vol. 4, pp. 1891-1896.
- Chuck, D.M., 1990, The effects of porosity on the acoustic emission signatures of Yucca Mountain tuffs [M.S. Thesis]: University of Nevada, Reno, 133 p.
- Cooper, C.A., 1990, Numerical simulation of gas flow through unsaturated fractured rock at Yucca Mountain [M.S. Thesis]: University of Nevada, Reno, 81 p.

- Craig, R.G., and Ingraham, N.L., 1992, Evaluating hydrologic budgets with a regional isotopic/climatic model: American Geophysical Union Fall Meeting, December 1992, San Francisco, California, EOS Transactions, vol. 73, no. 43.
- Craig, R.G., and Ingraham, N.L., 1993, Computations of local isotopic response of the hydrologic system to a glacial climate: International Symposium on Applications of Isotope Techniques in Studying Past and Current Environmental Changes in the Hydrosphere and Atmosphere, Intl. Atomic Energy, Vienna, Austria, in press.
- Craig, R.G., and Ingraham, N.L., 1993, Calculating regional scale hydrology from global constraints: 2nd Annual USA/USSR Joint Conference on Environmental Hydrology and Hydrogeology, Washington, D.C.
- Davies, J., and Archambeau, C.B., 1994, Simulations of the present and potential water table at Yucca Mountain, Nevada, in press.
- Davies, J.B., and Archambeau, C.B., 1994, Analysis of slug injection tests from wells at Yucca Mountain, Nevada, in press.
- Hill, C.A., Monger, H.C., Harmon, R.S., Schluter, C.M., Schmitt, R.A., and Liu, Y.-G., 1994, Calcite/opal deposits at Yucca Mountain, Nevada: Pedogenic or hypogene? in press.
- Johnson, C., 1990, Infrared imaging at Yucca Mountain: Evidence of a potentially disqualifying condition, in minimizing risk of the hydrologic environment [abs.]: America Institute of Hydrology, 1990 Spring Meeting, March 12-16, 1990, Las Vegas, Nevada, p. 20.
- Kingston, W.L., 1989, Characterization of colloids found in various groundwater environments in central and southern Nevada [M.S. Thesis]: University of Nevada, Reno, 159 p.
- Lamorey, G., and Jacobsen, E., 1994, Estimation of semivariogram parameters and evaluation of the effects of data sparsity: submitted to Mathematical Geology, in press.
- Leary, K.D., 1990, Analysis of techniques for estimating potential recharge and shallow unsaturated zone water balance near Yucca Mountain, Nevada [M.S. Thesis]: University of Nevada, Reno, 334 p.
- Lehman, L., Rice, J., and Keen, K.L., 1990, Cosine components in water levels, Yucca Mountain, Nevada: American Nuclear Society, Waste Management '90, Tucson, Arizona, February-March, 1990.

- Lehman, L.L., 1990, Major areas of uncertainty in performance assessment: the United States high-level waste program: presented at AIH USA/USSR Joint Conference on Environmental Hydrology and Hydrogeology, June 18, 1990, Leningrad, Russia.
- Lehman, L.L., 1992, Alternate conceptual model of ground water flow at Yucca Mountain: American Nuclear Society, International High-Level Radioactive Waste Management Conference, Las Vegas, Nevada, April, 1992.
- Lehman, L.L., 1992, Alternate conceptual model of ground water flow at Yucca Mountain: presented at Soviet Nuclear Society Third Annual Meeting, Moscow, September 1992.
- Lehman, L.L., and Brown, T.P., 1993, Testing performance assessment parameter sensitivity to choice of hydrologic conceptual model: presented at 15th Annual U.S. DOE LLW Management Conference, Tucson, Arizona, December 1993.
- Lehman, L.L., and Brown, T.P., 1994, Testing performance assessment parameter sensitivity to choice of hydrologic conceptual model: presented at 'Spectrum '94' International Nuclear and Hazardous Waste Management, Atlanta, Georgia, August, 1994.
- Linderfelt, W.R., 1987, Numerical analysis of infiltration and near-surface percolation in relation to Yucca Mountain, Nevada [M.S. Thesis]: University of Nevada, Reno, 64 p.
- Matuska, N.A., 1989, The relationship of the Yucca Mountain repository block to the regional groundwater system: A geochemical model [M.S. Thesis]: University of Nevada, Las Vegas, 198 p.
- Mifflin, M.D., 1988, Region 5, Great Basin: *in* Back, W., Rosenshein, J.S., and Seaber, P.R., [eds.]: Geological Society of America: Hydrogeology, pp. 68-78.
- Mifflin, M.D., and Quade, J., 1988, Hydrogeology and paleohydrology of the carbonate rock province of the Great Basin: *in* Holder, G.D., [ed.]: Geological Society of America, 1988 Geological Society of America Centennial Annual Meeting, Field Trip Guidebook, pp. 305-335.
- Quade, J., 1994, Spring deposits and late Pleistocene ground-water levels in the southern Great Basin: American Nuclear Society: Proceedings of the 5th International High-Level Radioactive Waste Management Conference, Las Vegas, Nevada, May 1994, vol. 4, pp. 2530-2537.

- Quade, J., 1994, Fossil spring deposits in the southern Great Basin and their implications for changes in water-table levels near Yucca Mountain, Nevada, during Quaternary time: Geological Society of America Bulletin, in press.
- Quade, J., and Pratt, W.L., 1989, Late Wisconsin ground-water discharge environments of the southwestern Indian Springs Valley, southern Nevada: Quaternary Research, no. 31, pp. 351-370.
- Quade, J., and Pratt, W.L., 1990, Black mats related to paleoground-water discharge in southern Nevada: Their age and paleoenvironmental significance [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, Tucson, March 1990, v. 22, no. 3, p. 50.
- Tyler, S.W., and Wheatcraft, S.W., 1992, Fractal scaling of soil particle size distributions: analysis and limitations: Soil Science Society of American Journal, v. 56(2), pp. 362-369.
- Tyler, S.W., and Wheatcraft, S.W., 1992, Reply to comment of Brakensiek and Rawls on Fractal processes in soil water retention: Water Resources Research, v. 28(5), pp. 1487-1490.
- Tyler, S.W., and Wheatcraft, S.W., 1992, Reply to comment of J.R. Phillip on an explanation of scale dependent dispersivity in heterogeneous aquifer using concepts of fractal scaling: Water Resources Research, v. 28(5), pp. 1487-1490.
- Wheatcraft, S.W., Sharp, G.A., and Tyler, S.W., 1990, Fluid flow and solute transport in fractal heterogeneous porous media: *in* Cushman, J.H., [ed.]: Dynamics of Fluids in Hierarchical Porous Media: Academic Press, 505 pp.
- Williamson, M.D., and Rimstidt, J.D., 1988, Hydrothermal transport in Yucca Mountain tuffs [abs.]: Geological Society of America Abstracts with Programs, 1989 Annual Meeting, November 1989, St. Louis, Missouri, v. 21, no. 6, p. A103.

GEOCHEMISTRY

- Anderson, S.W., and Krinsley, D.H., 1989, Criteria for recognition of constructional silicic lava flow surfaces: Implications for Cation-Ratio dating of rock varnish [abs.]: Geological Society of America Abstracts with Programs, 1989 Annual Meeting, November 1989, St. Louis, Missouri, v. 21, no. 6, p. A282.
- Anderson, S.W., and Krinsley, D.H., 1989, Textural characteristics of rock varnish as revealed by scanning electron microscopy [abs.]: Geological Society of America Abstracts with Programs, 1989 Annual Meeting, November 1989, St. Louis, Missouri, v. 21, no. 6, p. A282.
- Baba, N., Creswell, J., and Rucklidge, J., 1989, Radiocarbon in thermally evolved CO₂ from zeolites: Geological Association of Canada and Mineralogical Association of Canada Combined Meeting, p. A-98.
- Bowers, T.S., and Burns, R.G., 1988, Activity diagrams for Clinoptilolite: Susceptibility of this zeolite to further diagenetic reactions [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, no. 7, p. A359.
- Bowers, T.S., and Burns, R.G., 1990, Activity diagrams for Clinoptilolite: Susceptibility of this zeolite to further diagenetic reactions: American Mineralogist, v. 75, pp. 601-619.
- Burns, R.G., Bowers, T.S., and Wood, V.J., 1988, Reactivity of zeolites in proximity to high-level nuclear waste stored in bedded tuffs at Yucca Mountain, Nevada [abs.]: presented at the 28th International Geological Congress, Poster Session.
- Burns, R.G., Bowers, T.S., Wood, V.J., Blundy, M.D., and Morgenstein, M.E., 1989, Reactivity of zeolites forming in vitric tuffs in the unsaturated zone at Yucca Mountain, Nevada [abs.]: American Nuclear Society: Focus '89, Nuclear Waste Isolation in the Unsaturated Zone, September 1989, pp. 101-112.
- Burns, R.G., Wood, V.J., and Morgenstein, M.E., 1992, Sorption of Cesium and Strontium by Zeolite single crystals: DOE Publication, DOE/Yucca Mountain Site Characterization Project, Proceedings of the Radioactive Absorption Workshop at Los Alamos National Laboratory, 9/90, LA-12315-UC-510.
- Burns, R.G., and Bowers, T.S., 1988, Activity diagrams for Clinoptilolite: Relevance to zeolitized vitric tuffs at Yucca Mountain, Nevada [abs.]: presented at 29th International Geological Congress, Poster Session, 1988 Centennial Celebration, Denver, Colorado, v. 20, no. 7, p. A359.

- Cerling, T.E., Quade, J., and Bowman, J.R., 1988, Systematic variations in the stable isotopic composition of pedogenic carbonate along elevation transects in the southern Great Basin, U.S.A. [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, no. 7, p. A347.
- Cerling, T.E., Solomon, D.K., Quade, J., and Bowman, J.R., 1992, On the isotopic composition of carbon in soil carbon dioxide: *Geochemica et Cosmochimica Acta*, No. 55, pp. 3403-3405.
- Dorn, R., Krinsley, D., Liu, T., Anderson, S., Clark, J., Cahill, T., and Gill, T., 1992, Manganese rich rock varnish does exist in Antarctica: *Chemical Geology*, v. 99, pp. 289-298.
- Dorn, R., and Krinsley, D., 1990, Cation-leaching sites in rock varnish: *Geology*, v. 19, pp. 1077-1080.
- Dorn, R., and Krinsley, D., 1992, Reply to comment on cation-leaching sites in rock varnish: *Geology*, v. 20, p. 1050.
- Dorn, R., and Krinsley, D., 1994, New perspectives on colluvial boulder deposits in the southwestern Great Basin, U.S.A.: *Physical Geology*, v. 15, pp. 68-79.
- Krinsley, D. and Anderson, S., 1988, Desert varnish: A new look at chemical and textural variations [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, v. 20, p. 103.
- Krinsley, D., and Dorn, R., 1991, New eyes on eastern California rock varnish, *State of California: California Geology*, v. 44m, pp. 107-115.
- Krinsley, D.H., Dorn, R.I., and Anderson, S.W., 1990, Factors that interfere with the age determination of rock varnish: *Physical Geology*, v. 11, no. 2, pp. 97-119.
- Krinsley, D.H., Dorn, R.I., and Anderson, S.W., 1994, Factors that interfere with the age determination of rock varnish: *Physical Geology*, in press.
- Krinsley, D.H., and Manley, C.R., 1989, Backscattered electron microscopy as an advanced technique in petrography: *Journal of Geological Education*, v. 37, pp. 202-209.
- Livingston, D.E., 1994, The spatial distribution and chemical heterogeneity of clinoptilolite at Yucca Mountain, Nye County, Nevada: Evidence of polygenetic hypogene alteration: in press.

- Monger, H. C., Hill, C.A., and Schluter, C.M., 1994, A comparison of the petrographic textures of calcite/silica deposits in the Yucca Mountain, Nevada vicinity: in press.
- Morgenstein, M.E., and Shettel, D.L., Jr., 1993, Evaluation of borosilicate glass as a high-level radioactive waste form: American Nuclear Society: 4th Annual International Conference on High-Level Radioactive Waste Management, May 1993, v. 2, pp. 1728-1734.
- Morgenstein, M.E., and Shettel, D.L., 1994, Volcanic glass as a natural analog for borosilicate glass: Materials Research Society, Scientific Basis for Nuclear Waste Management XVII, Materials Research Society Symposium, 1993 Fall Meeting, Boston, no. 333: 605-15.
- Newcomb, N.W., and Rimstidt, J.D., 1988, An experiment to simulate mass transport near the Yucca Mountain high-level radioactive waste repository [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, no. 7, p. A278.
- O'Hara, P., Manley, C.R., and Krinsley, D., 1988, Chemical zonation within Bishop Ash, Pleistocene Lake Tecopa, Inyo County, California [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, no. 7, p. A282.
- O'Hara, P., 1988, Chemical zonation diagram--an exploration aid to interpret multi-element geochemical databases [abs.]: American Institute of Mining Engineering, 1988.
- Quade, J., 1986, Late Quaternary environmental changes in the upper Las Vegas Valley, southern Nevada: Quaternary Research, no. 26, pp. 340-357.
- Quade, J., Cerling, T.E. and Bowman, J.R., 1989, Systematic variation in the carbon and oxygen isotopic composition of Holocene soil carbonate along elevation transects in the southern Great Basin, U.S.A.: Geological Society of America Bulletin, no. 101, pp. 464-475.
- Quade, J., Cerling, T.E., and Bowman, J.R., 1990, Stable isotopes from desert soil carbonates in paleoecologic reconstruction [abs.]: Proceedings of the 7th International Conference on Geochron., Cosmochron., and Isotope Geology, Canberra, Australia, p. 80.
- Quade, J., and Cerling, T.E., 1990, Stable isotopic evidence for a Pedogenic origin of carbonates in Trench 14 near Yucca Mountain, Nevada: Science, vol. 250, pp. 1549-1552.

- Raker, Sarah, 1987, Chemistry of groundwater in tuffaceous rocks, central Nevada [M.S. Thesis]: University of Nevada, Reno, 111 p.
- Rimstidt, J.D., Newcomb, W.D., and Shettel, D.L., Jr., 1989, A vertical thermal gradient experiment to simulate conditions in vapor dominated geothermal systems, epithermal gold deposits, and high-level radioactive waste repositories in unsaturated media [abs.]: Proceedings of the 6th International Symposium on Water-Rock Interaction, Malvern, England, August, 1989, pp. 585-588.
- Rimstidt, J.D., Williamson, M.A., and Newcomb, W.D., 1991, Element redistribution in Yucca Mountain radioactive waste repository produced by evaporation and condensation of water in a thermal field: American Nuclear Society: FOCUS '91, September 1991, Las Vegas.
- Schlinger, C.M., Griscom, D., Papeafthymiou, G.C., and Veblen, D.R., 1988, The nature of magnetic single domains in volcanic glasses of the KBS tuff: Journal of Geophysical Research, v. 93, no. B8, pp. 9137-9156.
- Schluter, C.M., and Archambeau, C.B., 1993, Genesis of water-deposited minerals at Yucca Mountain: Poster Session, American Geophysical Union Fall Meeting, November 1993, San Francisco, California.
- Williamson, M.A., and Knight, C.L., 1989, Characterization of authigenic zeolite phases in vapor dominated hydrothermal systems with micro-raman spectroscopy: Microbeam Society Meeting, 1989.
- Wood, V.J., Hubbard, M.S., and Burns, R.G., 1988, Cesium uptake by Clinoptilolite crystals: implications to the immobilization of radionuclides stored at Yucca Mountain, Nevada [abs.]: Geological Society of America Abstracts with Programs, 1988 Centennial Celebration, Oct. 31-Nov. 3, 1988, Denver, Colorado, v. 20, no. 7, p. A359.

MINERAL RESOURCES

- Castor, S.B., and Weiss, S.I., 1992, Contrasting styles of epithermal precious-metal mineralization in the southwestern Nevada volcanic field, USA: Elsevier Science Publishers: B.V. Amsterdam, Ore Geology Reviews, v. 7, pp. 193-223.
- Connors, K.A., Weiss, S.I., Noble, D.C., and Bussey, S.D., 1990, Primary gold contents of some silicic and intermediate tuffs and lavas: evaluation of possible igneous sources of gold [abs.]: Geological Society of America Abstracts with Programs, GSA Annual Meeting, October 1990, Dallas, Texas, v. 22, p. A135.
- Connors, K.A., Noble, D.C., Weiss, S.I., and Bussey, S.D., 1991, Compositional controls on the gold contents of silicic volcanic rocks [abs.]: Association of Exploration Geochemists: 15th International Geochemical Exploration Symposium, Reno, Nevada, Abstracts with Programs, p. 43.
- Connors, K.A., Noble, D.C., Bussey, S.D., and Weiss, S.I., 1993, Initial gold contents of silicic volcanic rocks: Bearing on the behavior of gold in magmatic systems: Geology, v. 21, pp. 937-940.
- Farmer, G.L., Scott, R.B., Weiss, S.I., and Noble, D.C., 1993, Geochemical expression of a major E-W trending lithospheric boundary at 37° N latitude, southern Nevada [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 36.
- Hausback, B.P., Deino, A.L., Turrin, B.T., McKee, E.H., Frizzell, V.A., Jr., Noble, D.C., and Weiss, S.I., 1990, New $^{40}\text{Ar}/^{39}\text{Ar}$ ages for the Spearhead and Civet Cat Canyon members of the Stonewall Flat Tuff, Nye County, Nevada: Evidence for systematic errors in standard K-Ar age determinations on sanidine: Isochron West, No. 56, pp. 3-7.
- Jackson, M.R., Noble, D.C., Weiss, S.I., Larson, L.T., and McKee, E.H., 1988, Timber Mountain magmatothermal event: An intense widespread culmination of magmatic and hydrothermal activity at the SW Nevada volcanic field [abs.]: Geological Society of America Abstracts with Programs, 84th Annual Meeting/Cordilleran Section, March 1988, Las Vegas, Nevada, v. 20, no. 3, p. 171.
- Jackson, M.R., 1988, Timber Mountain magmatothermal event: An intense widespread culmination of magmatic and hydrothermal activity at the SW Nevada volcanic field [M.S. Thesis]: University of Nevada, Reno, 46 pp.

- McKee, E.H., Noble, D.C., and Weiss, S.I., 1989, Very young silicic volcanism in the southwestern Great Basin: The late Pliocene Mount Jackson dome field, SE Esmeralda County, Nevada: American Geophysical Union Transactions, v. 70, no. 44, p. 1420.
- Noble, D.C., McKee, E.H., and Weiss, S.I., 1988, Nature and timing of pyroclastic and hydrothermal activity and mineralization at the Stonewall Mountain volcanic center, southwestern Nevada: Isochron West, no. 51, pp. 25-28.
- Noble, D.C., Weiss, S.I., and Green, S.M., 1989, High-salinity fluid inclusions suggest that Miocene gold deposits of the Bare Mountain district, Nevada, are related to a large buried rare-metal rich magmatic system [abs.]: Geological Society of America Abstracts with Programs, 85th Annual Meeting/Cordilleran Section and 42nd Annual Meeting/Rocky Mountain Section, May 1989, Spokane, Washington, v. 21, no. 5, p. 123.
- Noble, D.C., Weiss, S.I., and McKee, E.H., 1991, Magmatic and hydrothermal activity, caldera geology, and regional extension in the western part of the southwestern Nevada volcanic field: *in* Raines, G.L., Lisle, R.E., Schafer, R.W., and Wilkinson, W.W., [eds.]: Geology and ore deposits of the Great Basin: Geological Society of America Symposium, pp. 913-934.
- Noble, D.C., Weiss, S.I., and McKee, E.H., 1994, The Mount Jackson dome field: four million years of late Miocene to late Pliocene explosive silicic volcanism in the southwestern Great Basin: Journal of Volcanology and Geothermal Research, in press.
- Weiss, S.I., Noble, D.C., and McKee, E.H., 1989, Paleomagnetic and cooling constraints on the duration of the Pahute Mesa-Trail Ridge eruptive event and associated magmatic evolution, Black Mountain Volcanic center, southwestern Nevada: Journal of Geophysical Research, v. 94, pp. 6075-6084.
- Weiss, S.I., McKee, E.H., Noble, D.C., Connors, K.A., and Jackson, M.R., 1991, Multiple episodes of Au-Ag mineralization in the Bullfrog Hills, S.W. Nevada, and their relation to coeval extension and volcanism [abs.]: Geological Society of America Abstracts with Programs, 1991 Annual Meeting, October 1991, San Diego, California, v. 23, p. A246.
- Weiss, S.I., Ristorelli, S.J., and Noble, D.C., 1993, Mother Lode gold deposit, southwestern Nevada: Another example of Carlin-type mineralization associated with porphyry magmatism [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 161.

- Weiss, S.I., Noble, D.C., Connors, K.A., Jackson, M.R., and McKee, E.H., 1994, Multiple episodes of hydrothermal activity and precious-metal mineralization in the southwestern Nevada volcanic field and their relations to magmatic activity, volcanism and regional extension: *Economic Geology*, in press.
- Weiss, S.I., Noble, D.C., and Larson, L.T., 1994, Petrography and origin of pyrite in volcanic rocks of Yucca Mountain: Evidence for post-depositional passage of sulfidic hydrothermal fluids: *Economic Geology*, in press.
- Weiss, S.I., Noble, D.C., and Larson, L.T., 1994, Potential for undiscovered mineral deposits at Yucca Mountain, NV: Host rocks, timing and spatial distribution of nearby mineralization [abs.]: *Geological Society of America Abstracts with Programs*, Geological Society of America Annual Meeting, October 1994, Seattle, Washington, v. 26, p. A311.

HYDROCARBON RESOURCES

- Aymard, W.H., 1989, Hydrocarbon potential of Yucca Mountain, Nevada [M.S. Thesis]: University of Nevada, Reno, 126 p.
- Cashman, P.H., and Trexler, J.H., Jr., 1991, The Mississippian Antler foreland and continental margin in southern Nevada: The Eleana Formation reinterpreted: *in* Cooper, J.D., and Stevens, C.H., [eds.]: Paleozoic Paleogeography of the Western United States II: Pac. Sect. SEPM, v. 67, pp. 271-280.
- Cashman, P.H., and Trexler, J.H., Jr., 1992, The plot thickens: update on the Mississippian Eleana Formation, Nevada Test Site, Nye County, Nevada [abs.]: Geological Society of America Abstracts with Programs, 45th Annual Meeting, Rocky Mountain Section, May 1992, Ogden, Utah, v. 24, no. 6, p. 5.
- Cashman, P.H., and Trexler, J.H., Jr., 1994, A case for two, coeval, Mississippian sections at the Nevada Test Site: *in* McGill, S.F., and Ross, T.M., [eds.]: Geological Investigations of an Active Margin: Cordilleran Section Guidebook, San Bernardino, Geological Society of America, pp. 76-81.
- Cole, J.C., Trexler, J.H., Jr., Cashman, P.H., and Hudson, M.R., 1994, Structural and stratigraphic relations of Mississippian rocks at the Nevada Test Site: *in* McGill, S.F., and Ross, T.M., [eds.]: Geological Investigations of an Active Margin, Cordilleran Section Guidebook, Geological Society of America, pp. 66-75.
- Herring, D.M., Cashman, P.H., and Trexler, J.H., Jr., 1993, Evidence for local volcanism in Mississippian continental-margin strata in southwestern Nevada, Nevada Test Site [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 51.
- Nitchman, S.P., 1990, Depositional environments of the Mississippian Eleana Formation, Nevada Test Site, Nye County, Nevada [abs.]: Geological Society of America Abstracts with Programs, 86th Annual Meeting/Cordilleran Section, March 1990, Tucson, Arizona, v. 22, no. 3, p. 73.
- Trexler, J.H., Jr., and Nitchman, S.P., 1990, Sequence stratigraphy and evolution of the Antler Foreland Basin, east-central Nevada: *Geology*, v. 19, pp. 422-425.

Trexler, J.H., Jr., and Cashman, P.H., 1993, Geometry and depositional history of the southern Antler foreland basin, Eleana Formation, Nevada Test Site [abs.]: Geological Society of America Abstracts with Programs, 89th Annual Meeting/Cordilleran Section and 46th Annual Meeting/Rocky Mountain Section, May 19-21, 1993, Reno, Nevada, v. 25, no. 5, p. 156.

CLIMATE

- Cerling, T., Quade, J., Yang, W., and Bowman, J., 1989, Soil and paleosols as ecologic and paleoecologic indicators: *Nature*, no. 341, pp. 138-139.
- Cerling, T.E., and Quade, J., 1993, Continental indicators of climate: American Geophysical Union: Proceedings of Chapman Conference, Jackson Hole, Wyoming, no. 78, pp. 217-231.
- Ingraham, N.L., and Craig, R.G., 1993, Constraining estimates of evapotranspiration with hydrogen isotopes in a seasonal orographic model: Monograph of the Chapman Conference: Continental Isotopic Indicators of Climate, Jackson Hole, Wyoming, June 1991.
- Leffler, P.M., 1989, Characterization of present and possible future (wetter) climatic regimes utilizing the historical climatic record and an analogue technique in the southern Great Basin [M.S. Thesis]: University of Nevada, Reno, 193 p.
- Marino, B.D., McElroy, M.D., Salawitch, R.J., and Spaulding, W.G., 1992, Glacial-to-interglacial variations in the carbon isotopic composition of the atmosphere: *Nature*, no. 357, pp. 461-466.
- Mifflin, M.D., and Quade, J., 1987, Estimating climate change from hydrologic response: American Society of Civil Engineers: Water Forum '86, August 1988, Long Beach, California.
- Spaulding, W.G., 1988, Pluvial climatic episodes in North America and North Africa: Types and correlation with global climate: presented at the 6th SLEADS Conference: Salt Lake, Evaporites, and Aeolian Deposits, S. Australia, August 8-16, 1988.
- Spaulding, W.G., 1990, Comparison of pollen and macrofossil based reconstructions of late Quaternary vegetation in western North America: *Review of Paleobotany and Palynology*, no. 64, pp. 359-366.
- Spaulding, W.G., 1990, Environments of the last 50,000 years in the vicinity of Yucca Mountain, central-southern Nevada: American Nuclear Society: International High Level Radioactive Waste Management Conference, vol 2., pp. 1251-1258.
- Spaulding, W.G., 1990, Vegetational and climatic development of the Mojave Desert: the last glacial maximum to the present: *in* Betancourt, J.L., Martin, P.S., and Van Devender, T.R. [eds.]: *The last 40,000 Years of Biotic Change*, University of Arizona Press, Tucson, Arizona, pp. 188-199.

- Spaulding, W.G., 1990, Vegetation dynamics during the last deglaciation, southeastern Great Basin, U.S.A.: *Quaternary Research*, v. 33, p. 188-203.
- Spaulding, W.G., 1991, A middle Holocene vegetation record from the Mojave Desert and its paleoclimatic significance: *Quaternary Research*, no. 35, pp. 427-437.
- Spaulding, W.G., 1991, Pluvial climatic episodes in North America and North Africa: Types and correlation with global climate: *Paleogeography, Paleoclimatology, Paleoecology*, no. 84, pp. 217-227.
- Thompson, R.S., Whitlock, C., Bartlein, P.J., Harrison, S.P., and Spaulding, W.G., 1993, Climatic changes in the western United States since 18,000 years B.P.: *in* Wright, H.E., Jr., Kutzbach, J.E., Webb III, T., Ruddman, W.F., [eds.]: *Global Climates Since the Last Glacial Maximum*, University of Minnesota Press: Minneapolis, Minnesota, pp. 469-513.

ENVIRONMENTAL ASSESSMENT

- Brown, D.A., and Lemons, J., 1991, Scientific certainty and the laws that govern the location of a high-level nuclear waste repository: *Environmental Management*, vol. 15, no. 3, pp. 311-319.
- Lemons, J., Malone, C.R., and Piasecki, B., 1989, America's high-level nuclear waste repository: A case study of environmental science and public policy: *International Journal of Environmental Studies*, vol. 34, pp. 25-42.
- Lemons, J., Brown, D.A., and Varner, G.E., 1990, Congress, consistency, and environmental law: Nuclear waste at Yucca Mountain, Nevada: *Environmental Ethics*, v. 12, pp. 311-327.
- Lemons, J., and Malone, C.R., 1989, Siting America's geologic repository for high-level nuclear waste: Implications for environmental policy: *Environmental Management*, v. 13, pp. 435-441.
- Lemons, J., and Brown, D.A., 1990, The role of science in the decision to site a high-level nuclear waste repository at Yucca Mountain, Nevada: *The Environmentalist*, vol. 10, no. 1, pp. 3-24.
- Lemons, J., and Malone, C. R., 1990, Frameworks for decisions about nuclear waste disposal: *International Journal of Environmental Studies*, v. 35, pp. 263-270.
- Lemons, J., and Malone, C.R., 1991, Scientific, public policy, and ethical implications of the Nuclear Waste Policy Act and its amendments: *Research in Philosophy and Technology*, v. 11, pp. 5-32.
- Lemons, J., and Malone, C.R., 1991, High-level nuclear waste disposal and long-term ecological studies at Yucca Mountain: *Bioscience*, v. 41, pp. 713-718.
- Lemons, J., and Malone, C.R., 1994, Integrated environmental management and assessment of the environmental program at the potential high-level nuclear waste repository at Yucca Mountain, Nevada: *in* Cairns, J., Jr., Crawford, T.V., and Salwasser, H., [eds.]: *Implementing Integrated Environmental Management*: Virginia Tech., Blacksburg, Va.
- Malone, C.R., 1989, Environmental review and regulation for siting a nuclear waste repository at Yucca Mountain, Nevada: *Environmental Impact Assessment Review*, vol. 9, pp. 77-95.

- Malone, C.R., 1989, Environmental performance assessment: A case study of an emerging methodology: *Journal of Environmental Systems*, v. 19, pp. 171-184.
- Malone, C.R., 1990, Environmental planning for siting a high-level nuclear waste repository at Yucca Mountain, Nevada: *Environmental Management*, vol. 14, pp. 5-32.
- Malone, C.R., 1990, Geologic and hydrologic issues related to siting a repository for high-level nuclear waste at Yucca Mountain, Nevada, U.S.A.: *Journal of Environmental Management*, vol. 30, pp. 381-396.
- Malone, C.R., 1990, The Yucca Mountain project: Storage problems of high-level radioactive wastes: *Environmental Science and Technology*, vol. 23, pp. 1452-1453.
- Malone, C.R., 1990, Performance assessment and long-term environmental problems: *Project Appraisal*, v. 5, pp. 134-138.
- Malone, C.R., 1991, The potential for ecological restoration at Yucca Mountain, Nevada: *The Environmental Professional*, vol. 13, pp. 216-224.
- Malone, C.R., 1991, High-level nuclear waste disposal: A perspective on technocracy and democracy: *Growth and Change*, v. 22, pp. 69-74.
- Winsor, M.F., and Ulland, L. 1989, An evaluation of environmental effects of the DOE HLW Repository Siting and Characterization Program at Yucca Mountain, Nevada: *Proceedings of Waste Management '91, Tucson, Arizona*, v. 1, pp. 559-564.
- Winsor, M.F., and Rousseau, D., 1989, Applications of a geographic information system and remote sensing in assessing superficial environmental impacts of siting and site characterization for a proposed high-level nuclear waste repository at Yucca Mountain, Nevada: *Proceedings, The Scientific Challenges of NEPA; Future Directions Based on 20 years of Experience, 9th Oak Ridge National Laboratory Life Sciences Symposium, Knoxville, Tennessee, October 24-27, 1989*.
- Winsor, Mark F., and Malone, C.R., 1990, State of Nevada perspective on environmental program planning for the Yucca Mountain project: *The Environmental Professional*, vol. 12, pp. 196-207.

SOCIOECONOMIC/TRANSPORTATION PUBLICATIONS

Publications

- Burns, W. J., Slovic, P., Kasperson, R. E., Kasperson, J. X., Renn, O., & Emani, S. (Under review). Incorporating structural models on the social amplification of risk: Implications for theory construction and decision making.
- Cook, B. J., Emel, J. L., & Kasperson, R. E. (1990). Organizing and managing radioactive waste as an experiment. *Journal of Policy Analysis and Management*, 9 (3), 339-366.
- Cook, B. J., Emel, J. L., & Kasperson, R. E. (1992, Winter). A problem of politics or technique? Insights from waste management strategies in Sweden and France. *Policy Studies Review*, pp. 339-366.
- Dantico, M., Mushkatel, A. H., & Pijawka, D. (Under review). The role of gender in risk perceptions: The case of the high-level nuclear waste repository.
- Easterling, D. V. (1992). Fair rules for siting a high-level nuclear waste repository. *Journal of Policy Analysis and Management*, 11, 442-475.
- Easterling, D. V., & Kunreuther, H. (In press). The dilemma of siting a nuclear waste repository. Dordrecht, The Netherlands: Kluwer Academic.
- Easterling, D. V., & Kunreuther, H. (In press). The vulnerability of the convention industry to a high-level nuclear waste repository. In R. E. Dunlap, M. E. Kraft, & E. A. Rosa (Eds.), *Public reactions to nuclear waste: Citizens' views of repository siting*. Durham, NC: Duke University.
- Flynn, J. (1990, Summer). Nuclear waste management: A need for new actors. *Forum for Applied Research and Public Policy*, pp. 98.
- Flynn, J. (1992, April 15). How not to sell a nuclear waste dump. *The Wall Street Journal*, pp. A20.
- Flynn, J. (1992). Public trust and the future of nuclear power. *Energy Studies Review*, 4, 268-277.
- Flynn, J., Burns, W., Mertz, C. K., & Slovic, P. (1992, September). Trust as a determinant of opposition to a high-level radioactive waste repository: Analysis of a structural model. *Risk Analysis*, pp. 417-430.

- Flynn, J., Burns, W., Slovic, P., & Mertz, C. K. (1991). Development of a structural model to analyze public opinion on a high-level radioactive waste facility. In *High level radioactive waste management: Proceedings of the Second Annual International Conference* (Vol. 1, pp. 773-779). New York: The American Society of Civil Engineers and the American Nuclear Society, Inc.
- Flynn, J., Kasperson, R. E., Kunreuther, H., & Slovic, P. (1992, Summer). Time to rethink nuclear waste storage. *Issues in Science and Technology*, pp. 42-48.
- Flynn, J., & Slovic, P. (In press). Nuclear wastes and public trust. *Forum for Applied Research and Public Policy*.
- Flynn, J., Slovic, P., & Mertz, C. K. (Under review). Decidedly different: Expert and public views of risks from radioactive wastes.
- Flynn, J., Slovic, P., & Mertz, C. K. (Under review). The Nevada Initiative: A risk communication fiasco.
- Gregory, R., Kunreuther, H., Easterling, D. V., & Richards, K. (1991). Incentives policies to site hazardous waste facilities. *Risk Analysis*, 11, 667-675.
- Kasperson, R. E. (1990). An international perspective on risk and risk perception. In R. G. Post (Ed.), *Waste Management '90*. Tucson, AZ: Board of Regents.
- Kasperson, R. E. (1990). Social realities in high-level radioactive waste management and their policy implications. In *Proceedings of the International High-Level Radioactive Waste Management Conference* (Vol. 1, pp. 512-518). La Grange Park, IL: American Nuclear Society.
- Kasperson, R. E. (1992). The social amplification of risk: Progress in developing an integrative framework of risk. In S. Krimsky, & D. Golding (Eds.), *Social theories of risk* (pp. 153-178). New York: Praeger.
- Kasperson, R. E., Emel, J., Goble, R., Hohenemser, C., Kasperson, J. X., & Renn, O. (1987). Radioactive wastes and the social amplification of risk. In R. G. Post (Ed.), *Waste management 87*. Tucson, AZ: Arizona Board of Regents.
- Kasperson, R. E., Golding, D., & Tuler, S. (1992). Social distrust as a factor in siting hazardous facilities and communicating risks. *Journal of Social Issues*, 48 (4), 161-187.
- Kasperson, R. E., & Kasperson, J. X. (1991). Hidden hazards. In D. C. Mayo, & R. Hollander (Eds.), *Acceptable evidence: Science and values in hazard management* (pp. 9-28). Oxford: Oxford University.

- Kasperson, R. E., & Kunreuther, H. (1990). Hazardous waste facility siting in the U.S.: Challenges and opportunities. In Symposium on the Sino-US Binational Conference on Environmental Protection and Development (pp. 277-298). Taipei: Pacific Cultural Foundation.
- Kasperson, R. E., Renn, O., Slovic, P., Brown, H. S., Emel, J., Goble, R., Kasperson, J. X., & Ratick, S. (1988). The social amplification of risk: A conceptual framework. *Risk Analysis*, 8, 177-187.
- Kasperson, R. E., Renn, O., Slovic, P., Kasperson, J. X., & Emani, S. (1989). The social amplification of risk: Media and public response. In R. G. Post (Ed.), *Waste management* 89 (pp. 131-135). Tucson, AZ: Arizona Board of Regents.
- Krannich, R. S., Little, R. L., & Cramer, L. A. (1993). Rural community residents' views of nuclear waste repository siting in Nevada. In R. E. Dunlap, M. E. Kraft, & E. Rosa, A. (Eds.), *Public reactions to nuclear waste: Citizens' views of repository siting*. Durham, NC: Duke University Press.
- Krannich, R. S., & Luloff, A. E. (1991). Problems of resource dependency in U.S. rural communities. In A. Gilg et al. (Eds.), *Progress in Rural Policy and Planning* (Vol. 1, pp. 5-18). London: Belhaven Press.
- Kunreuther, H., Desvousges, W. H., & Slovic, P. (1988). Nevada's predicament: Public perceptions of risk from the proposed nuclear waste repository. *Environment*, 30 (8), 16-20, 30-33.
- Kunreuther, H., & Easterling, D. (1990, May). Are risk-benefit tradeoffs possible in siting hazardous facilities? *American Economic Review: AEA Papers and Proceedings*, pp. 252-256.
- Kunreuther, H., & Easterling, D. (1992). Gaining acceptance for noxious facilities with economic incentives. In D. W. Bromley, & K. Segerson (Ed.), *The social response to environmental risk: Policy formulation in an age of uncertainty*. Boston: Kluwer Academic.
- Kunreuther, H., Easterling, D. V., Desvousges, W., & Slovic, P. (1990). Public attitudes toward siting a high-level nuclear waste repository in Nevada. *Risk Analysis*, 10, 469-484.
- Little, R. L., & Krannich, R. S. (1989). A model for assessing the social impacts of natural resource utilization on resource-dependent communities. *Impact Assessment Bulletin*, 6(2), 21-35.

- Morwitz, V. G., Easterling, D. V., & Kunreuther, H. (Under review). Gambling with the environment: Forecasting consumer response to a high-level nuclear waste repository from scenario-based surveys.
- Mushkatel, A. H., & Dantico, M. K. (1991). Governors and nuclear waste: Show-down in the Rockies. In E. B. Herzik, & B. Brown, et al. (Eds.), *Gubernatorial leadership in state policy* (pp. 173-189). Greenwood.
- Mushkatel, A. H., & Herzik, E. (1992). Intergovernmental complexity in nuclear waste disposal policy. *Policy Studies Review*, 10(4), 139-151.
- Mushkatel, A. H., & Herzik, E. (1993, forthcoming). *Nuclear waste policy*. Greenwood.
- Mushkatel, A. H., Nigg, J., & Pijawka, D. (1988). Risk perception and intended behavior: The effects of the proposed high-level nuclear waste repository on Las Vegas residents. In *Proceedings of the Conference on Nuclear Waste Management* (pp. 103-109). Tucson, AZ: Society of Nuclear Engineers and U.S. Department of Energy.
- Mushkatel, A. H., & Nigg, J., Pijawka. (1990, April 8-12). Social impact assessment of siting the high-level nuclear waste repository in Nevada: The use of future risk scenarios in survey research. In *Proceedings of the International High-Level Nuclear Waste Management Conference*. New York: American Society of Nuclear Engineers.
- Mushkatel, A. H., Nigg, J., & Pijawka, D. (In press). Nevada urban residents' perceptions of the nuclear waste repository. In R. E. Dunlap, M. E. Kraft, & E. A. Rosa (Eds.), *Public reactions to nuclear waste: Citizens' views of repository siting*. Durham, NC: Duke University.
- Mushkatel, A. H., & Pijawka, D. (1990, May). Public perceptions of transporting hazardous materials. In *State and local concerns in transporting hazardous materials*. Saint Louis, MO: American Society of Civil Engineers.
- Mushkatel, A. H., & Pijawka, D. (1991, April 30). Political trust's role in explaining Nevada urban residents' perceptions of the proposed Yucca Mountain repository. In *Proceedings of the High-Level Nuclear Waste Conference*. Washington, DC: U.S. Department of Energy.
- Mushkatel, A. H., & Pijawka, D. (1992, Winter). Public opposition to the siting of the high-level nuclear waste repository: The importance of trust. *Policy Studies Review*, pp. 180-194.

- Mushkatel, A. H., & Pijawka, D. (1992, February). [Review of Gerald Jacob's Site unseen: The politics of siting a nuclear waste repository.] *Land Economics*, pp. 123-126.
- Mushkatel, A. H., Pijawka, D., & Glickman, T. (In press). The perceived risks of transporting hazardous materials and nuclear waste: A case study. In *Proceedings of the International Consensus Conference on the Transportation of Hazardous Materials*. Waterloo, Ontario: University of Waterloo.
- Mushkatel, A. H., Pijawka, D., & Nigg, J. (1988). Measuring environmental, developmental and property value: Impacts of solid waste facilities. In *The forum* 1988.
- Pijawka, D., & Mushkatel, A. H. (1992, Winter). Editors introduction. *Policy Studies Review on Nuclear Waste Policy*, pp. 88-90.
- Pijawka, D., & Mushkatel, A. H. (1992). Nuclear waste policy and siting the nation's repository. *Policy Studies Review*, 10(4)
- Pijawka, D., Mushkatel, A. H., & Glickman, T. (1993). The perceived risks of transporting hazardous material and nuclear waste. In *Proceedings of the International Consensus Conference on the Risks of Transporting Dangerous Goods*. Waterloo, Ontario: University of Waterloo.
- Renn, O., Burns, W., Kasperson, J. X., Kasperson, R. E., & Slovic, P. (1992). The social amplification of risk: Theoretical foundations and empirical applications. *Journal of Social Issues*, 48(4).
- Slovic, P., Flynn, J., & Layman, M. (1991). Perceived risk, trust, and the politics of nuclear waste. *Science*, 254, 1603-1607.
- Slovic, P., Layman, M., & Flynn, J. (1991, April). Risk perception, trust, and nuclear waste: Lessons from Yucca Mountain. *Environment*, pp. 6-11; 28-30.
- Slovic, P., Layman, M., & Flynn, J. (In press). Risk perception, trust, and nuclear waste: Lessons from Yucca Mountain. In R. E. Dunlap, M. E. Kraft, & E. A. Rosa (Eds.), *Public reactions to nuclear waste: Citizens' views of repository siting*. Durham, NC: Duke University.
- Slovic, P., Layman, M., Kraus, N., Flynn, J., Chalmers, J., & Gesell, G. (1991). Perceived risk, stigma, and potential economic impacts of a high-level nuclear waste repository in Nevada. *Risk Analysis*, 11, 683-696.

Tuler, S., Kasperson, R. E., & Ratick, S. (1989). Human reliability and risk management in the transportation of spent nuclear fuel. In G. B. Guy (Ed.), *Reliability on the move: Safety and reliability in transportation* (pp. 169-194). London: Elsevier Applied Science.

Papers

- Cramer, L. (1989, November). High level nuclear waste: Attitudes towards its location and transportation. Presentation to the Mountain West Center for Regional Studies, Utah State University.
- Cramer, L., & Bourke, L. (1990, August). Alternative explanations of community responses toward siting a high-level nuclear waste repository: Bad deal, NIMBY, or risk perception shadow?. Presented at the annual meetings of the Rural Sociological Society, Norfolk, VA.
- Cramer, L., Krannich, R. S., & Rhea, V. (1989, April). The orientations of rural community residents toward the transportation of high-level nuclear waste: The case of southern Nevada. Presented at the annual meetings of the Pacific Sociological Association, Reno, NV.
- Dantico, M., Mushkatel, A. H., & Pijawka, D. (1990, April 25-28). Citizen perceptions of the high-level nuclear waste repository. Western Social Science Association Meetings, Portland, OR.
- Dantico, M., Mushkatel, A. H., & Pijawka, D. (1991, February 16). Gender and race in risk perceptions: The proposed Yucca Mountain repository. Annual Conference of the American Association for the Advancement of Science, Washington, DC.
- Dantico, M., Mushkatel, A. H., & Pijawka, D. (1991, March 20-23). Inducing change in perceptions of risk: Nesting scenarios within surveys. Western Political Science Association Meetings, Seattle, WA.
- Easterling, D. (1989, November 3). The role of fairness in promoting the siting of a high-level nuclear waste repository. Presented at Annual Research Conference of the Association for Public Policy Analysis and Management, Arlington, VA.
- Easterling, D. (1990, October 20). Ex ante consent to siting procedures as a means of gaining acceptance for noxious facilities. Presented at Annual Research Conference of the Association for Public Policy Analysis and Management, San Francisco, CA.
- Easterling, D. V., & Kunreuther, H. (1988, November 21). Nevadans' attitudes toward a Yucca Mountain repository: The role of safety, sound policy, and economic incentives. Presented at Annual Meeting of the Decision Sciences Institute, Las Vegas, NV.

- Easterling, D. V., & Kunreuther, H. (1990, April 10). Public attitudes toward a high-level nuclear waste repository: Implications on the prospects of successful siting. Presented at First International High Level Radioactive Waste Management Conference, Las Vegas, NV
- Easterling, D. V., & Kunreuther, H. (1990, October 2). Siting strategies to instill trust and legitimacy: The case of radioactive waste repositories. Presented at Symposium on Hazardous Materials and Wastes: Social Aspects of Facility Planning and Management, Toronto, Ontario.
- Easterling, D. V., & Kunreuther, H. (1992, October 30). Legitimacy as a means of solving the high-level waste dilemma. Presented at Annual Research Conference of the Association for Public Policy Analysis and Management, Denver, CO.
- Easterling, D. V., Kunreuther, H., & Morwitz, V. (1991, May 3). Forecasting behavioral response to a repository from stated intent data. Presented at Second International High-Level Radioactive Waste Management Conference, Las Vegas, NV.
- Emani, S., Kasperson, J. X., Kasperson, R. E., & Renn, O. (1990, October 7-10). Media profiles and the social amplification of risk. Annual Meetings of the Society for Risk Analysis, New Orleans.
- Endter-Wada, J. (1989, April). Nuclear policy in Nevada: Nuclear testing and storage of nuclear waste. Presented at the annual meetings of the Society for Applied Anthropology, Santa Fe, NM.
- Endter-Wada, J. (1990, July). Natural resource dependency and economic vulnerability: Rural community responses. Presented at the Symposium on Rural Villages in the Twenty-First Century, Utah State University.
- Endter-Wada, J., & Little, R. L. (1992, August). Rural responses to natural resource dependency. Presented at the annual meetings of the Rural Sociological Society, State College, PA.
- Fowler, C. S. (1988, June). Southern Paiute-Timbisha Shoshone dialectology: An interface at Yucca Mountain Nevada? Paper presented at the Uto-Aztecan Linguistics Working Conference, Salt Lake City.
- Fowler, C. S. (1990, April). Southern Paiute data collected by Isabel Kelly in the 1930s and its interpretation in the light of more recent studies. Paper presented at the Southwestern Anthropological Conference, Riverside, CA.

- Gregory, R., & Easterling, D. (1990, March 2). Policy tools to address the health risks, economic impact, and inequity of a nuclear waste repository. Presented at Public Interest Law Conference, University of Oregon, Eugene.
- Kasperson, R. E. (1987, February 18). Assessing the risks and related impacts of high-level radioactive waste disposal. Annual Meetings of the American Association for the Advancement of Science, Chicago, IL.
- Kasperson, R. E. (1987, May 5-6). Building a constituency for equity in hazardous management. Symposium on Practical Problems in Hazardous Waste Management, Washington, DC.
- Kasperson, R. E. (1987, November 27-29). Negotiation and bargaining in hazardous waste facility siting. Atlantic Seminar on Issues in Environmental Management, University of East Angli, Norwich, UK.
- Kasperson, R. E. (1987, May 5). Public understanding of radioactive wastes. Executive Session on Mixed Wastes, American Nuclear Society, Washington, DC.
- Kasperson, R. E. (1987, March 3-5). Radioactive wastes and the social amplification of risk. Waste '87 meetings in Tucson, AZ.
- Kasperson, R. E. (1987, November 1-4). Social amplification of risk: The case of radioactive waste disposal. Annual Meetings of the Society for Risk Analysis, Houston, TX.
- Kasperson, R. E. (1988, October 28). Hazardous facility siting and compensation. Seminar of the Joint Center for Environmental and Economic Development, London.
- Kasperson, R. E. (1988, April 16-19). The social amplification of risk. Annual Meetings of the Association of American Geographers, Phoenix, AZ.
- Kasperson, R. E. (1989, October 29-November 1). Procedural equity in radioactive waste facility siting. Annual Meetings of the Society for Risk Analysis, San Francisco.
- Kasperson, R. E. (1989, March 9). Radioactive wastes and the social amplification of risk. National Academy of Sciences/National Research Council, Washington, DC.
- Kasperson, R. E. (1989, January). Social amplification of risk: Building empirical theory. Annual Meetings of the American Association for the Advancement of Science, San Francisco.

- Kasperson, R. E. (1990, March 1-3). An international perspective on risk and perception. Waste Management '90, Tucson, AZ.
- Kasperson, R. E. (1990, October 7-10). New departures in siting hazardous facilities. Annual Meetings of the Society of Risk Analysis, New Orleans.
- Kasperson, R. E. (1990, February 18-21). The social amplification of risk. Annual Meetings of the American Association for the Advancement of Science, New Orleans.
- Kasperson, R. E. (1990, January 11-12). The social amplification of risk: What have we learned since 1988?. Workshop on Risk and Risk Communication, Cambridge, MA.
- Kasperson, R. E. (1990, April 8-12). Social realities in radioactive waste management. Plenary address, International High-Level Radioactive Waste Management Conference, Las Vegas, NV.
- Kasperson, R. E., Kasperson, J. X., Renn, O., & Slovic, P. (1989, February 26-28). The process of social amplification: The media and public responses. Waste Management '89, Tucson, AZ.
- Kasperson, R. E., & Kunreuther, H. (1989, August 21-23). Siting hazardous waste facilities: The U.S. experience. International Conference on Economic Growth and Environmental Protection, Taipei, Taiwan.
- Krannich, R. S., & Little, R. L. (1988, August). Differential orientations of rural community residents toward nuclear waste repository siting in Nevada. Presented at the annual meetings of the Rural Sociological Society, Athens, GA.
- Krannich, R. S., & Little, R. L. (1989, January). Rural community residents' views toward nuclear waste repository siting in Nevada. Presented at the annual meetings of the American Association for the Advancement of Science, San Francisco.
- Little, R. L., Krannich, R. S., & Endter-Wada, J. (1988, August). The continued saga of Caliente: The persistence of community following "Death by Dieselization". Presented at the annual meeting of the Rural Sociological Society, Athens, GA.
- Mushkatel, A. H. (1991, July). Natural hazards research at Arizona State University. Invited presentation at the Annual Meeting of the Natural Hazards Research Conference, Boulder, CO.

- Mushkatel, A. H., Dantico, M., & Pijawka, D. (1991, March 20-23). Gender and race in risk perceptions: The proposed Yucca Mountain repository. Western Political Science Association Meetings, Seattle, WA.
- Mushkatel, A. H., Nigg, J., & Pijawka, D. (1988, February 28-March 3). Risk perception and intended behavior: The effects of the proposed high-level nuclear waste repository on Las Vegas residents. Paper presented at Waste Management 88, Symposium sponsored by the American Society of Mechanical Engineers, American Nuclear Society, Electric Power Research Institute, U.S. Nuclear Regulatory Commission, University of Arizona, Tucson.
- Mushkatel, A. H., Nigg, J., & Pijawka, D. (1989, January). Urban residents' risk perception of a nuclear waste facility. Invited symposium paper on policy, politics, and public opinion on a high-level nuclear waste repository at the Annual Meetings of the American Association for the Advancement of Science, San Francisco, CA.
- Mushkatel, A. H., & Pijawka, D. (1988, April 7). Risk-induced behavior and the siting of the high-level nuclear waste repository. Paper presented at the National Conference of the Association of American Geographers, Phoenix, AZ.
- Mushkatel, A. H., & Pijawka, D. (1991). Resident perceptions of the proposed nuclear waste repository in Nevada. Nevada Commission on Nuclear Waste Policy, Las Vegas, NV.
- Mushkatel, A. H., & Pijawka, D. (1991, August 4-9). Risk perceptions of hazards: Role of trust. International Symposium on Geological Hazards in Developing Countries and Their Environmental Impacts, International Natural Hazards Society, Purgia, Italy.
- Mushkatel, A. H., & Pijawka, D. (1991, August 4-9). Risk perceptions of natural and technological hazards: The role of trust. International symposium on Geological Hazards in Developing Countries and Their Environmental Impacts, International Hazards Society, Perugia, Italy.
- Mushkatel, A. H., & Pijawka, D. (1992, November 22). Public perceptions of hazardous facilities. Paper presented at "Hazards and society: Strategies for the 21st century," Arizona State University.
- Mushkatel, A. H., Pijawka, D., Dantico, M., & Ibitayo, O. (1991, February 16). Political trust and risk perceptions of the high-level nuclear waste repository. Annual Conference of the American Association for the Advancement of Science, Washington, DC.

- Richards, R., & Krannich, R. S. (1989, August). Risk perceptions of a nuclear waste repository in rural Nevada communities. Presented at the annual meetings of the Rural Sociological Society, Seattle, WA.
- Rusco, M. K. (1992, October). Southern Paiute leadership patterns in the 20th century as a reflection of kinship networks. Paper presented at Great Basin Anthropological Conference, Boise, ID.
- Tuler, S., Kasperson, R. E., & Ratick, S. (1988, October 30-November 2). Hyuman reliability and risk management in the transportation of spent nuclear fuel. Annual Meetings of the Social for Risk Analysis, Washington, DC.