Publications from Supported Research 1992-1993 ICS Contributions

ARCHULETA, RALPH

"A Cooperative NRC/CEA Research Project on Earthquake Ground Motion on Soil Sites: Data and Preliminary Analysis." Presented at the 10th International Conference on Structural Mechanics in Reactor Technology. (with Seale, Sandra H.). (ICS Contribution #0110-20EQ)

"Garner Valley Downhole Array of Accelerometers: Instrumentation and Preliminary Data Analysis." Bulletin of the Seismological Society of America. (with Seale, Sandra H., Sangas, Peter V., Baker, L. B., Swain, Scott T.). (ICS Contribution #0118-28EQ)

CROWELL, JOHN C.

"The Significance of the Orocopia Mountains Region in the Displacement History of the San Andreas Fault System." San Bernardino County Museum Association, Special Publication, 93-1. (ICS Contribution #0140-34TC)

EVERETT, LORNE G.

"Vadose Zone Monitoring." Geotechnical Practice for Waste Disposal, David E. Daniel, ed., Published by Chapman and Hall. (ICS Contribution #0136-27HW)

"Innovative Solid Sampling Protocols and Its Affect on Remediation Strategies." Presented at the European Communities' Joint Research Center in Ispra, Italy, September, 1992. (ICS Contribution #0116-26HW)

"Direct and Indirect Pore-Liquid Monitoring in the Vadose Zone." Presented at the European Communities' Joint Research Center, Ispra, Italy, September, 1992. (with Cullen, Stephen J., and Kramer, John.). (ICS Contribution #0115-25HW)

GRATIER, JEAN-PIERRE

"Experimental Pressure Solution of Halite by an Indenter Technique." Geophysical Research Letters. (ICS Contribution #0147-32CM)

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"Pressure Solution as a Mechanism for Crack Sealing Around Faults: Natural and Experimental Evidence." *USGS: Involvement of Fluids in Faulting.* (with Hellmann, R., and Chen, T.). (ICS Contribution #0152-37TC)

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"Vadose Zone Characterization and Monitoring Principles, Methods, and Case Studies; Book 2: Practical Handbook of Vadose Zone Monitoring." Submitted to: L.G. Wilson, Editor, for inclusion in an upcoming book by Lewis Publ. (with Keller, Barry). (ICS Contribution #0154-31HW)

LEES, JONATHAN

"Three-Dimensional Attenuation Tomography at Loma Prieta: Inverting t* for Q." Submitted to: Journal of Geophysical Research. (with Lindley, Grant T.). (ICS Contribution #0158-31EQ)

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LINDLEY, GRANT T.

"Source Parameters of the 23 April 1992, Joshua Tree, California, Earthquake, Its Largest Foreshock and Aftershocks." Submitted to: Bulletin of the Seismological Society of America. (ICS Contribution #0159-32EQ)

"Earthquake Source Parameters and the Frequency Dependence of Attenuation at Coalinga, Mammoth Lakes and the Santa Cruz Mountains, California." *Journal of Geophysical Research* (with Archuleta, Ralph.). (ICS Contribution #0117-27EQ)

"Variation of Seismic Site Effects in the Santa Cruz Mountains, California." NEHRP Report to Congress, The 1989 Loma Prieta, California, Earthquake: Mainshock Characteristics, U.S. Geological Survey Professional Paper. (with Archuleta, Ralph.). (ICS Contribution #0119-29EQ)

LUYENDYK, BRUCE P.

"Geological Expedition to King Edward VII Peninsula and the Ford Ranges, Marie Byrd Land." Submitted to: Antarctic Journal of the United States. (with Smith, Christine.). (ICS Contribution #0149-36TC)

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"Earthquakes Associated with Deep Well Injection Comments and Case Histories, Special Workshop on Induced Seismicity" *Proceedings of the 33rd U.S. Symposium on Rock Mechanics, J.R. Tillerson and W.R. Wawersik, eds., A.A. Balkema, Rotterdam.* (ICS Contribution #0166-37EQ)

"Triggered Earthquakes and Deep Well Activities" *Pure and Applied Geophysics.* (with Wesson, R.L.). (ICS Contribution #0168-39EQ)

OLDENBURG, CURTIS M.

"Modeling Transport Processes in Nonlinear Systems: The Example of Solidification and Convection." Chaotic Processes in the Geological Sciences. D. Yuen, ed. IMA Volume in Mathematics and its Applications. (with Spera, Frank J.). (ICS Contribution #0131-26CM)

RICHARD, STEPHEN

"Cooling History of the Northern Ford Ranges, Marie Byrd Land, West Antarctica." Submitted to: Tectonics. (with Smith, Christine, Kimbrough, David, Fitzgerald, P.G., Luyendyk, Bruce, and McWilliams, M.O.). (ICS Contribution #0146-35TC)

RODGERS, PETER W.

"Self-Noise Spectra for 34 Common Electromagnetic Seismometer/Preamplifier Pairs." Lawrence Livermore National Laboratory. (ICS Contribution #0148-30EQ)

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SPERA, FRANK J.

"Comment on 'Historical Review of a Long-Overlooked Paper by R. A. Daly Concerning the Origin and the Early History of the Moon' by Ralph B. Baldwin and Don Wilhelms." *Journal of Geophysical Research* (with Stark, Lynne E.). (ICS Contribution #0145-31CM)

"Verification of Onsager's Reciprocal Relations in a Molten Silicate Solution." Science. (with Trial, Alain F.). (ICS Contribution #0137-30CM)

STEIDL, JAMISON H.

"Variation of Site Response at the UCSB Dense Array of Portable Accelerometers." *Earthquake Spectra*. (ICS Contribution #0144-29EQ)

"The 1989 Loma Prieta, California, Earthquake: Are Geodetic Measurements and Rupture Models consistent?" NEHRP Report to Congress, the 1989 Loma Prieta, California, Earthquake: Mainshock Characteristics, U.S. Geological Survey Professional Paper. (with Archuleta, Ralph J.). (ICS Contribution #0120-30EQ)

STEIN, DANIEL J.

"Experimental Rheometry of Melts and Supercooled liquids in the System NaAlSiO₄-SiO₂: Implications for Structure and Dynamics." *American Mineralogist.* (with Spera, Frank J.). (ICS Contribution #0135-29CM)

SYLVESTER, ARTHUR G.

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"Aseismic Growth of Durmid Hill, Southeasternmost San Andreas Fault, California." *Journal of Geophysical Research.* (with Bilham, R., Jackson, M., Barrientos, S.). (ICS Contribution #0142-28EQ)

TANIMOTO, TOSHIRO

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TRIAL, ALAIN

"Measuring the Multicomponent Diffusion Matrix: Experimental Design and Data Analysis for Silicate Melts. *Geochimica et Cosmochimica Acta.* (with Spera, Frank J.). (ICS Contribution #0151-34CM)

ULLOM, WILLIAM L.

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ZHANG, YU-SHEN

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