
BIOGRAPHICAL SKETCH

STEPHEN R. MCNUTT

PROFESSIONAL PREPARATION:

Wesleyan University	Earth and Environmental Science	BA	1977
Columbia University	Geological Sciences	MA	1982
Columbia University	Geological Sciences	M.Phil	1984
Columbia, University	Volcanology	PhD	1985

APPOINTMENTS:

Professor, Department of Geology, University of South Florida, August 7, 2012 to present.

Research Professor, Volcano Seismology. Alaska Volcano Observatory, Geophysical Institute, University of Alaska Fairbanks, AK, 1991 to 2012.

California Division of Mines and Geology, Sacramento, CA, Senior Seismologist, Volcanology-Seismology & Project Manager, 1984 to 1991.

Lamont-Doherty Geological Observatory of Columbia, Graduate Research Assistant, Geophysics, 1979 to 1984.

Lamont-Doherty Geological Observatory of Columbia, Research Assistant, 1977 to 1979.

Woods Hole Oceanographic Institution, Research Assistant, June 1977 to August 1977.

PRODUCTS: PUBLICATIONS CLOSELY RELATED TO THE PROJECT:

Rodgers, M., D.C. Roman, H. Geirsson, P. LaFemina, S.R. McNutt, A. Munoz, V. Tenorio, Stable and unstable phases of elevated seismic activity at the persistently restless Telica Volcano, Nicaragua. *J. Volcanol. Geotherm. Res.*, v. 290, p. 63-74, 2015.

McNutt, S.R., G. Thompson, M.E. West, D. Fee, S. Stihler, E. Clark, Local seismic and infrasound observations of the 2009 explosive eruptions of Redoubt Volcano, Alaska. *J. Volcanol. Geotherm. Res.*, doi:10.1016/j.jvolgeores.2013.03.016, 2013.

DeRoin N. and S.R. McNutt, Rockfalls at Augustine Volcano, Alaska: The Influence of Eruption Precursors and Seasonal Factors on Occurrence Patterns 1997-2009. *J. Volcanol. Geotherm. Res.*, v. 211-212, p. 61-75, 2012.

McNutt, S.R. and D. Roman, Volcanic Seismicity, Chapter 59 of *Encyclopedia of Volcanoes*, 2nd Edition, Sigurdsson, H., B. Houghton, S.R. McNutt, H. Rymer, and J. Stix (eds.), Elsevier, London, p. 1011-1034, 2015.

McNutt, S.R., G. Thompson, J. Johnson, S. De Angelis, and D. Fee, Seismic and Infrasonic Monitoring, Chapter 63 of *Encyclopedia of Volcanoes*, 2nd Edition, Sigurdsson, H., B. Houghton, S.R. McNutt, H. Rymer, and J. Stix (eds.), Elsevier, p.1071-1099, 2015

PRODUCTS: FIVE OTHER SIGNIFICANT PUBLICATIONS:

DeRoin, N., S.R. McNutt, and G. Thompson, Duration-Amplitude Relationships of Volcanic Tremor and Earthquake Swarms Preceding and During the 2009 Eruption of Redoubt Volcano, Alaska. *J. Volcanol. Geotherm. Res.*, v. 292, p. 56-69, 2015.

Behnke, S.A. and S.R. McNutt, Using Lightning Observations as a Volcano Monitoring

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Tool, Bull. Volcanol., 76: 847, DOI 10.1007/s00445-014-0847-1, 2014.

Jay, J., M.E. Pritchard, M.E. West, D. Christensen, M. Haney, E. Minaya, M. Sunagua, S.R. McNutt, M. Zabala, Shallow seismicity, triggered seismicity, and ambient noise tomography at the long-dormant Uturuncu volcano, Bolivia. Bull. Seis. Soc. Amer., doi:10.1007/s00445-011-0568-7, 2011.

West, M., J.J. Sanchez, and S.R. McNutt, Periodically-triggered seismicity at Mt. Wrangell volcano following the Sumatra-Andaman Islands earthquake. *Science*, v. 308, p. 1144-1146, 2005.

McNutt, S.R., A Review of Volcanic Seismology. *Annual Reviews of Earth and Planetary Sciences*, v. 33, p. 461-491 doi:10.1146/annurev.earth.33.092203.122459, 2005.

SYNERGISTIC ACTIVITIES:

Development of databases on volcanic earthquake swarms and volcanic tremor to support research and education. Service as Secretary-General of the International Association of Volcanology and Chemistry of the Earth's Interior (1999-2007). Development of the graduate course Volcano Seismology, GEOS 672. Development of automated algorithms for analyzing volcano seismicity and posting results to the World Wide Web.

COLLABORATORS and OTHER INSTITUTIONS:

Ken Arnoult, University of Alaska Fairbanks; Cere Davis, University of Washington; Ken Dean, University of Alaska Fairbanks; Jon Dehn, University of Alaska Fairbanks; Dan Dzurisin, US Geological Survey; John Eichelberger, University of Alaska Fairbanks; Jeff Freymueller, University of Alaska Fairbanks; Roger Hansen, University of Alaska Fairbanks; Zhong Lu, SMU; Doerte Mann, Stanford University; Richard Moore, US Geological Survey; Seth Moran, US Geological Survey; Vilma B. Moreira, Universidad Nacional Costa Rica; Christina Neal, US Geological Survey; John Power, US Geological Survey; Angela Roach, Brown University; Hazel Rymer, Open University; David Schneider, US Geological Survey; Scott Stihler, University of Alaska Fairbanks; John Stix, McGill University; Wayne Thatcher, US Geological Survey; Guy Tytgat, University of Alaska Fairbanks; Charles Wicks, US Geological Survey; Ron Thomas, New Mexico Tech; Paul Krehbiel, New Mexico Tech; Earle Williams, MIT; John Olson, University of Alaska Fairbanks; Charles Wilson, University of Alaska Fairbanks

THESIS ADVISOR/POST DOC SCHOLAR SPONSOR

John Benoit, Chevron Corporation (PhD 1998); Arthur Jolly, Leeds University (PhD 2000); John Sanchez, Universidad de Guadelajara (PhD 2005); Tanja Petersen, Geol Survey New Zealand (PhD 2006); Katrina Jacobs, University of Wellington (M.S. 2008); Celso Reyes, University of Alaska Fairbanks (PhD 2014 – planned); Nicole DeRoin, University of Alaska Fairbanks (PhD 2012); Branden Christensen, (M.S. 2010); Milton Garces, University of Hawaii (post doc 1996-1998); Glenn Thompson, University of South Florida (post doc 1998-2000); Jackie Caplan-Auerbach, Western Washington University (post doc 2001-2003); Silvio De Angelis, University of Liverpool (post doc 2004-2006); Sonja Behnke, University of South Florida (April 2013-present)

GRADUATE ADVISORS:

Klaus Jacob (primary), Chris Scholz (faculty), both at Columbia University;

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No Post-Doc

(1st supervisor - Brian E. Tucker, California Division of Mines and Geology)
