

## **Jeffrey H. Templeton, Ph.D.**

Associate Professor of Geology  
Division of Natural Science and Mathematics  
Western Oregon University  
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### EDUCATION:

- Doctor of Philosophy, Geology** September 1998  
Oregon State University, Corvallis, Oregon  
Dissertation: Petrology of the Reversely Zoned Mickey Pass Tuff, West-central Nevada
- Master of Science, Geology** August 1991  
Texas Christian University, Fort Worth, Texas  
Thesis: Submarine Volcanism and Volcaniclastic Sedimentation in a Jurassic  
Island-arc Environment, Northern Sierra Nevada, California
- Bachelor of Science, Geology** June 1989  
The Ohio State University, Columbus, Ohio

### EMPLOYMENT AND WORK EXPERIENCE:

- Associate Professor of Geology** September 2003-Present  
Western Oregon University, Monmouth, Oregon
- ◆ Full responsibility for all teaching related duties for upper-division Geology courses, which include Introduction to Petrology, Structural Geology, Energy and Mineral Resources, Volcanology, and Field Studies in Volcanology, for lower-division courses in Physical Geology and Earth System Science
  - ◆ Active member of the WOU faculty, which includes currently serving as Chair of Earth and Physical Science Department, member of Program for Undergraduate Research Experiences Task Force, responsibility for scheduling and staffing of Earth Science courses, leading field trips, advising Earth Science and Geology majors and minors, and supervising undergraduate research projects
- Assistant Professor of Geology** September 1998-June 2003  
Western Oregon University, Monmouth, Oregon
- ◆ Full responsibility for all teaching related duties for upper-division Geology courses, which included Introduction to Petrology, Structural Geology, Geology of Mineral and Energy Resources, Volcanology, and Field Studies in Volcanology,

for lower-division courses in Physical and Historical Geology, and for lower-division Earth System Science courses

- ◆ Active member of the WOU faculty, which has included serving as Chair of two Geology Position Search Committees, Chair of Division Curriculum Committee, member of University Curriculum Committee, member of the WOU Center for Teaching and Learning Advisory Group, development of new Geology and Earth Science curriculum, responsibility for scheduling and staffing of Geology and General Science courses, leading field trips, advising Earth Science and Geology majors and minors, and supervising undergraduate research projects

**Lecturer** January 1995-June 1998

Western Oregon University, Monmouth, Oregon

- ◆ Full responsibility for all teaching related duties for upper-division Geology courses, which included Mineralogy, Mineral Resources, and Structural Geology, lower-division Physical and Historical Geology courses, and lower-division Earth Science, Chemistry, and Physics courses
- ◆ Advised Earth Science and Geology majors and minors and supervised undergraduate research projects

**Teaching Assistant** September 1991-June 1994

Oregon State University, Corvallis, Oregon

- ◆ Instructed Volcanology, Igneous Petrology, Optical Mineralogy, Geologic Field Methods, and Introductory Geology laboratory classes

**Instructor** Summer 1992, 1993, 1994, 1995, 2004, 2005

Oregon State University Geology Field Camp, Mitchell, Oregon

- ◆ Trained and supervised students in field mapping techniques in central Oregon

**Laboratory Assistant** March 1992-September 1994

Oregon State University Radiation Center, Corvallis, Oregon

- ◆ Operated and monitored Ge(Li) and LEP detectors for INAA Research Group

**Field Geologist** August 1993-September 1993

Southwest Research Institute, San Antonio, Texas

- ◆ Study of a mafic dike complex and wall rock interactions in southern Nevada

**Teaching Assistant** August 1989-May 1991

Texas Christian University, Fort Worth, Texas

- ◆ Taught Physical and Environmental Geology laboratory classes

#### GRANTS, AWARDS, AND HONORS:

- National Science Foundation; Course, Curriculum, and Laboratory Improvement-Adaptation and Implementation Grant (\$80,924) – 2002-2005
- Oregon Collaborative for Excellence in the Preparation of Teachers (OCEPT) Faculty Fellow – 1999-00; 2001-02
- WOU Preparing Tomorrow's Teachers to Use Technology (PT3) Faculty Grants – Spring 2001 and Fall 2001
- Western Oregon University Faculty Development Research Grants – 1999; 2001; 2002; 2005
- Western Oregon University Faculty Development Travel Grants – 1999; 2000; 2002; 2003; 2004; 2005
- The Honor Society of Phi Kappa Phi – 1995
- Chevron Graduate Research Awards – 1994; 1995
- Geological Society of America Research Grant – 1990
- Adkins Grant for Graduate Research, Texas Christian University – 1990
- Sigma Gamma Epsilon, Earth Science Honorary – 1988
- Eagle Scout – 1982

#### INSTITUTIONAL AND PROFESSIONAL SERVICE:

- Coordinator, WOU Program for Undergraduate Research Experiences - 2006-Present
- Chair, WOU Department of Earth and Physical Science – 2003-Present
- Campus Representative for Geological Society of America – 2000-Present
- Coordinator, Earth System Science and Geology courses – 1998-Present
- Advisor, Earth Science and Geology Majors and Minors – 1997-Present
- WOU Program for Undergraduate Research Experiences Task Force – 2004-2006
- Search Committee, Director of Center for Teaching and Learning – 2004-2005
- Search Committee, Director of Academic Advising and Learning Center – 2004-2005
- WOU Center for Teaching and Learning Advisory Group – 2000-2005
- WOU Academic Information Services Committee – 2002-2003
- Chair, Natural Science Division Curriculum Committee – 1999-2003
- Registration Coordinator, GSA Cordilleran Section Meeting – 2001-2002
- WOU Curriculum Committee – 2000-2002
- Chair, Paleontology/Sedimentary Geology Position Search Committee – 1998-1999
- Chair, GIS/Environmental Geology Position Search Committee – 1998-1999

PEER-REVIEWED PUBLICATIONS:

- Templeton, Jeffrey, H.**, and Hanson, Richard, E., 2003, Jurassic submarine arc-apron deposits and associated magma/wet-sediment interaction, northern Sierra Nevada, California: *Journal of Volcanology and Geothermal Research*, v. 128, p. 299-326.
- Schepige, Adele C., and **Templeton, Jeffrey H.**, *in press*, Development of a standards-based Earth system science curriculum for K-8 pre-Education majors - A successful science and education collaborative endeavor: NSF Collaboratives for Excellence in Teacher Preparation, Montana State University.
- Hanson, R. E., Girty, G. H., Girty, M. S., Hargrove, U. S., Harwood, D. S., Kulow, M. J., Mielke, K. L., Phillipson, S. E., Schweickert, R. A., and **Templeton, J. H.**, 1996, Paleozoic and Mesozoic arc rocks in the Northern Sierra terrane, *in* Girty, G. H., Hanson, R. E., Harwood, D. S., and Schweickert, R. A., eds., *The Northern Sierra Terrane and Associated Mesozoic Magmatic Units: Implications for the Tectonic History of the Western Cordillera: Pacific Section SEPM*, Book 81, p. 25-56.
- Hanson, R. E., Girty, G. H., Harwood, D. S., Schweickert, R. A., **Templeton, J. H.**, Yoshinobu, A. S., Wracher, M. D., and Girty, M. S., 1993, Devonian and Jurassic volcano-plutonic associations in the Northern Sierra terrane: Implications for arc evolution and Mesozoic deformation, *in* Lahren, M. M., Trexler, J. H., Jr., and Spinosa, C., eds., *Crustal Evolution of the Great Basin and Sierra Nevada: Cordilleran/Rocky Mountain Section, Geological Society of America Guidebook*, Department of Geological Sciences, University of Nevada, Reno, NV, p. 97-128.

ABSTRACTS:

- Templeton, Jeffrey, H.**, and Mills, James, G., 2005, Insights into shallow emplacement of a mafic dike system, Fortification Hill, northwestern Arizona: *Geological Society of America Abstracts with Programs*, v. 37, p. 291.
- Taylor, Stephen B., **Templeton, Jeffrey H.**, Budnick, Jeffrey, Drury, Chandra, Fisher, Jamie, and Runyan, Summer, 2005, Spatial analysis of cinder cone distribution at Newberry Volcano, Oregon: Implications for structural control on eruptive process: *Geological Society of America Abstracts with Programs*, v. 37, p. 431.
- Templeton, J.H.**, Hanson, R.E., Hargrove, U.S., Ruff, K.L., 2005, Regional Jurassic submarine arc-apron complex in the northern Sierra Nevada, California: *Eos Trans. AGU*, v. 86, Joint Assembly Supplement, Abstract V52A-05
- Templeton, Jeffrey H.**, 2004, Petrologic analysis of the Tepee Draw Tuff, Newberry Volcano, Oregon: Preliminary constraints on compositional zoning in the pre-eruptive magma chamber: *Geological Society of America Abstracts with Programs*, v. 36, p. 8.

- Taylor, S.B., **Templeton, J.H.**, and Giles, D.E.L., 2003, Cinder cone morphometry and volume distribution at Newberry Volcano, Oregon: Implications for age relations and structural control on eruptive process: Geological Society of America Abstracts with Programs, v. 35, p. 421.
- Giles, D.E.L., Taylor, S.B., and **Templeton, J.H.**, 2003, Compilation of a digital geologic map and spatial database for Newberry Volcano, Central Oregon: A framework for comparative analysis: Geological Society of America Abstracts with Programs, v. 35, p. 189.
- Templeton, Jeffrey H.**, and Schepige, Adele C., 2002, Earth Systems Science – An innovative approach to teaching undergraduate general science: Geological Society of America Abstracts with Programs, v. 34, p. 12-13.
- Templeton, Jeffrey H.**, 2000, High precision, Ar-Ar geochronology of the Mickey Pass Tuff, west-central Nevada: Constraints on the evolution of a continental silicic magma system through time: Geological Society of America Abstracts with Programs, v. 32, p. 496.
- Matson, B. M., **Templeton, J. H.**, and Schepige, A., 2000, Development of an integrated Earth and Physical Science Course for non-science majors: Proceedings of the Oregon Academy of Science, 58<sup>th</sup> Annual Meeting, Abstracts with Programs, v. 36, p. 38.
- Templeton, Jeffrey H.**, and Grunder, Anita L., 1999, Petrologic constraints on the evolution of a continental silicic magma chamber: Mickey Pass Tuff, West-central Nevada: Geological Society of America Abstracts with Programs, v. 31, p. 353.
- Templeton, Jeffrey H.**, 1996, Petrology of the Mickey Pass Tuff, western Nevada: Origin of reverse compositional zoning and implications for extensional tectonics: Geological Society of America Abstracts with Programs, v. 28, p. 116-117.
- Templeton, J. H.**, Hanson, R. E., and Harwood, D. S., 1993, Geochemical tectonomagmatic discrimination of metamorphosed Middle Jurassic volcanic rocks, northern Sierra Nevada, California: Geological Society of America Abstracts with Programs, v. 25, p. 154.
- Templeton, J. H.**, and Hanson, R. E., 1991, Extensive magma/wet sediment interaction in a Jurassic island-arc setting, northern Sierra Nevada, California: Geological Society of America Abstracts with Programs, v. 23, p. 395.
- Templeton, J. H.**, and Hanson, R. E., 1991, Volcanology and stratigraphic evolution of a Jurassic island-arc sequence, northern Sierra Nevada, California: Geological Society of America Abstracts with Programs, v. 23, p. 103.

## PROFESSIONAL DEVELOPMENT:

### Workshops:

- October 16, 2005, *Designing Effective Geoscience Education Research: Qualitative and Quantitative Methods*: Geological Society of America K-16 Education Workshop, Salt Lake City, Utah.
- July 21-25, 2002, *Oregon Collaborative for Excellence in the Preparation of Teachers WRITE ON! Retreat*: Menucha Center, Corbett, Oregon.
- June 29-July 2, 2002, *Digital Library for Earth System Education 3<sup>rd</sup> Annual Meeting*: Cornell University, Ithaca, New York.
- July 19-30, 1999, *Oregon Collaborative for Excellence in the Preparation of Teachers Summer Institute*: Two-week comprehensive workshop for Higher Education faculty that focused on the preparation of teachers in the state of Oregon, University of Portland.

### Field Trips:

- May 1-4, 2005, *Miocene Volcano-Plutonic Systems, Southern Nevada: A Window into Upper Crustal Magmatic Processes*: Geological Society of America Cordilleran Section Meeting Fieldtrip.
- May 2, 2004, *Basalt Emergent Volcanoes and Maars, Sinkers Butter-Snake River Canyon, Idaho*: Geological Society of America Cordilleran Section Meeting Fieldtrip.
- November 10-12, 2000, *Paleozoic Subduction Complex and Paleozoic-Mesozoic Volcano-Plutonic Assemblages in the Northern Sierra Terrane*: Geological Society of America National Meeting Fieldtrip.
- September 15-17, 2000, *What's New at Newberry Volcano, Oregon*: Friends of the Pleistocene Pacific Northwest Cell Fieldtrip.
- April 21, 1996, *Geologic History of Mt. Hood Volcano*: Geological Society of America Cordilleran Section Meeting Fieldtrip.
- May 22-24, 1993, *Cenozoic Magmatism and Tectonism across the Walker Lane, Nevada*: Geological Society of America Cordilleran Section Meeting Fieldtrip.
- April 23-25, 1993, *The Paleoseismic Record of Subsidence, Tsunamis, Liquefaction and Landslides from the Northern Oregon Coast: Evidence of Subduction Zone Seismicity in the Central Cascadia Margin*: Friends of the Pleistocene Pacific Cell Fieldtrip.
- May 13-15, 1992, *Sedimentology and Volcanology of Neogene Continental Volcaniclastic Rocks, Deschutes Basin, Central Oregon*: Geological Society of America Cordilleran Section Meeting Fieldtrip.
- March 28-29, 1991, *Geology of the Sutter Buttes, Northern California*: Geological Society of America Cordilleran Section Meeting Fieldtrip.

## PROFESSIONAL AFFILIATIONS:

Geological Society of America; American Geophysical Union; National Association of Geoscience Teachers