

SEAN SCOTT
sscott25@uwyo.edu
1015 E. Park Ave. Unit B
Laramie, WY 82070
206.349.8013

Education

University of Wyoming
Ph.D., Geology
Thesis Topic: Evaluation of Fe mobility in serpentinites using Fe isotopes and Uranium series dating of Mid-Ocean Ridge Basalts
Laramie, Wyoming, Sept, 2012 to present

New Mexico State University
M.S., Geology (GPA: 4.0)
Thesis: Spreading Dynamics of an Intermediate Ridge: Insights from U-series disequilibria, Endeavour Segment, Juan de Fuca Ridge
Las Cruces, New Mexico, Aug., 2012

Central Washington University
B.S., Geology (GPA: 3.44; Math/Science GPA: 3.59)
Science Honors Program: Processes Controlling Spessartite Generation beneath Mt. Rainier, Washington
Ellensburg, Washington, Aug., 2009

Awards and Scholarships

Ringe Award for Outstanding Undergraduate Research
Dora Blossom Gile Memorial Scholarship
John F. Kalesky Memorial Scholarship
CWU, 2009
NMSU, 2010
NMSU, 2010

Publications/Reports

Ramos, F.C., Wolff, J.A., Starkel, W., Eckberg, A., Tollstrup, D., Scott, S.R., (in press), The Changing Nature of Sources Associated with Columbia River Flood Basalts: Evidence from Strontium Isotope Ratio Variations in Plagioclase Phenocrysts: Geological Society of America, Special Volume: Columbia River Basalt Province Revisited.

Mack, G.H., Jones, M.C., Tabor, N.J., Ramos, F.C., Scott, S.R., Witcher, J.C., (in press), Mixed geothermal and shallow meteoric origin of opal and calcite beds in Pliocene-lower Pleistocene axial-fluvial strata, southern Rio Grande rift, Rincon Hills, New Mexico, USA: Sedimentary Geology.

Ramos, F.C., Gill, J.B., Wolff, J.A., Dimond, C.A., Scott, S.R., 2012, Timing and Magmatic Processes affecting Alkali-rich Magmas at Baitoushan volcano, China/North Korea: Asia Oceanic Geosciences Society/American Geophysical Union.

Spreading Dynamics of an Intermediate Ridge: Insights from U-series disequilibria, Endeavour Segment, Juan de Fuca Ridge, New Mexico, 2012 (Masters Thesis).

Scott, S.R., Ramos, F.C., Gill, J.B., 2011, Spreading Dynamics of an Intermediate Ridge: Endeavour Segment of the Juan de Fuca Ridge: American Geophysical Union, Fall Meeting 2011.

Processes Controlling Spessartite Generation Beneath Mt. Rainier, Washington, 2009
(Undergraduate Science Honors Thesis).

Bohrson, W.A., Scott, S.R., 2008, Processes Controlling Spessartite Generation beneath Mt. Rainier, Washington: American Geophysical Union, Fall Meeting 2008, abstract #T23B-2023.

Field Experience

Summer Research Expedition Leg 2, Juan de Fuca Ridge, Pacific Ocean, July-Aug. 2011
Ten day mid-ocean volcanology research expedition with the Monterey Aquarium Research Institution involving collection and processing of lava and sediment core samples using remotely operated submersible Don Ricketts.

Geologic Field Methods, Mitchell, Oregon and Lost River, Idaho, June-July 2009
Six-week field mapping class in areas surrounding Mitchell, Oregon and the Lost River Range, Idaho constructing geologic maps, cross sections, and stratigraphic sections of various geological phenomena.

Tectonic Investigations, Owens Valley, California, Mar. 2009
One-week field mapping class in the Sierra Nevada, Inyo Mountains and Deep Springs Valley, California constructing geologic maps of quaternary alluvial deposits and active faulting.

Introduction to Geologic Field Methods, Owens Valley, Bishop, California, Sept. 2006
Two-week field mapping class in the Sierra Nevada and White Mountains, California constructing cross sections and stratigraphic sections based on geologic mapping.

Research/Teaching Experience

Teaching Assistant

Assistant for teaching labs and classes Jan. 2011 – May, 2011
Classes and labs include Igneous and Metamorphic Petrology, General Geochemistry, Introduction to Isotope Geology, Analytical Geochemistry, and Intro Geology. Drs. Frank C. Ramos and Tim F. Lawton, Supervisors

Research Assistant

Column chromatography and Thermal Ionization Mass Spectrometry Jan. 2010 – Aug. 2012
Performing chromatographic separations of strontium, neodymium, lead, uranium, thorium and radium. Operation of the Thermal Ionization Mass Spectrometer at New Mexico State University. Dr. Frank C. Ramos, Supervisor

Research Assistant

Theoretical Modeling of Magma Chambers June 2007 – Sept. 2007
Computer programs simulating open-system processes in magma chambers. Work in thermal ionization mass spectrometer (TIMS) lab. Chromatographic separations of Sr, Nd, and Pb isotope systems. Dr. Wendy Bohrson, Supervisor

Other Recent Employment

Atlas Accelerator	Software testing and graphic design	Sept. 2009 - Dec. 2009
-------------------	-------------------------------------	------------------------

Globys	Customer assistance and software testing	Oct. 2009 - Dec. 2009
--------	--	-----------------------

Professional Memberships

American Geophysical Union
Geological Society of America
Geochemical Society