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This report summarizes my sabbatical leave for August 2013-July 2014. I feel fortunate that I managed to accomplish most of the goals, and think that I have a fresh perspective on teaching a number of my courses. In addition to working on the data from my recently completed NSF grant and other projects, I was able to travel extensively, exploring classic geological locales. This has and will continue to be an important part of my courses, and I have a number of additional firsthand experiences to share with my students.

Planned Activities:
- Participate in the Geological Society of America GeoCorps America America Program.
- Investigate new collaborations, reestablish connections with colleagues on the mainland US and Italy.
- Write and publish articles from data collected as part of NSF grant (ended 6/2013)
- Draft a new NSF-MRI grant proposal to replace our current EDXRF (with Peter Mills-UHH Anthhropology)

Activities:
- John Day Fossil Beds Geoscientist in the park June 1-August 30. Produced new geologic map for the park, co-authored a poster presentation for the GSA Annual Meeting Oct 2013, Denver, CO with fellow geoscientist in the park participant Elizabeth Baker and staff from JODA. Currently working with Josh Samuels (chief paleontologist at JODA) on projects stemming from this work.

  Pb and Sr Isotope sample preparation UNC-Chapel Hill October 2013. Reestablish connections with Dr. Drew Coleman (UNC-Geology). Data from this work was the basis for two presentations in 2014 (Society for Hawaiian Archaeology Annual Meeting 10/14 in Hilo, HI, and GSA Annual Meeting 10/14 in Vancouver, BC Canada. Manuscript in progress for Geoarchaeology.

  Invited Lectures: University of Pottsdam December 2013, University of Catania December 2013. New collaborations in the works with faculty from the University of Catania.

  Fieldwork near Osservatorio Geologico di Coldigioco Italy with Sandro Montanari January 2014. Sr-isotope stratigraphy (offshoot from UNC Geochemistry labwork) and potential future collaborations and fieldwork discussions.

Publications:
Already in review-revised during sabbatical:


Staley, D.P., Mills, P.R., and Lundblad, S.P., 2014, “I trust there will be no failure…” The Importance of Bricks and Brickmaking at the Adirondack Iron and Steel Company’s Upper Works, Journal of Industrial Archaeology v. 38, no. 1.

New manuscripts written during sabbatical year:


Meeting Abstracts written and submitted during sabbatical year:


Lundblad, S.P., Mills, P.R., 2014, Provenance of archeological basalt from Hawai`i using technological, non-destructive EDXRF, and isotopic analysis, *Geological Society of America Abstracts with Programs*, v. 46

**Grant writing activities:**


NSF-IUSE: S-GAIN: Student Geoscience Audio Integration Network

**Other Activities:**

Visited all living aunts, siblings, one great aunt (95 years old!), many high school, college, graduate school and other friends and colleagues.

Geologic tourism at a number of fabulous national parks (Yellowstone, Tetons, Badlands, Crater Lake, Olympic, Grand Canyon, Petrified Forest) and other spots (e.g. giant redwoods, San Andreas Fault, Ashfall State Park, K/T boundary in Gubbio, Italy, Mt. Etna eruptions, Apennine Caves-Grotta di Frassasi) that I am incorporating into my teaching

4th Place USA Cycling Master’s National Time Trial Mixed Tandem (combined age 90-110) Prineville, Oregon 9/13