

Publications by Non-UW Madison Researchers Utilizing the UW Electron Microprobe

Publications by Lindsay McHenry (UW-Milwaukee)

- In Press **McHenry, L.J.**, *In Press*. A revised stratigraphic framework for Olduvai Gorge Bed I based on tuff geochemistry. *Journal of Human Evolution*. Doi: 10.1016/j.jhevol.2011.04.010
- In Press Richardson, C.D., Hinman, N.W., **McHenry, L.J.**, Kotler, J.M., Knipe, D.L., Scott, J.R., *In Press*. Secondary Sulfate Mineralization and Basaltic Chemistry of Craters of the Moon National Monument, Idaho: Potential Martian Analog. *Planetary and Space Science*. doi:10.1016/j.pss.2012.02.002
- 2011 **McHenry, L.J.**, Chevrier, V., Schröder, C., 2011. Occurrence of jarosite in a saline-alkaline paleo-lake deposit: implications for Mars aqueous geochemistry. *Journal of Geophysical Research* 116: E04002. doi:10.1029/2010JE003680
- 2011 **McHenry, L.J.**, Luque, L., Gómez, J.A., Diez-Martín, F., 2011. Promise and pitfalls for characterizing and correlating the zeolitically altered tephra of the Pleistocene Peninj Group, Tanzania. *Quaternary Research* 75: 708-720. doi:10.1016/j.yqres.2010.11.008
- 2011 **McHenry, L.J.**, 2011. Geochemistry and mineralogy of Laetoli area tuffs: Lower Laetoli through Naibadad Beds. In: Harrison, T. (Ed.) *Paleontology and Geology of Laetoli, Tanzania: Human Evolution in Context. Volume 1: Geology, Geochronology, Paleoecology and Paleoenvironment*. Springer series Vertebrate Paleobiology and Paleoanthropology. 121-141. doi:10.1007/978-90-481-9956-3_6
- 2010 **McHenry, L.J.**, 2010. Element distribution between coexisting authigenic mineral phases in argillic and zeolitic altered tephra, Olduvai Gorge, Tanzania. *Clays and Clay Minerals* 58(5): 627-643. doi: 10.1346/CCMN.2010.0580504
- 2009 **McHenry, L.J.**, 2009. Element mobility during zeolitic and argillic alteration of volcanic ash in a closed-basin lacustrine environment: Case study Olduvai Gorge, Tanzania. *Chemical Geology* 265: 540-552. doi:10.1016/j.chemgeo.2009.05.019
- 2009 Mollé, G.F., Swisher, C.C. III, **McHenry, L.J.**, Feigenson, M.D., Carr, M.J., 2009. Petrogenesis of basalt-trachyte lavas from Olmoti Crater, Tanzania. *Journal of African Earth Sciences* 54: 127-143. doi: 10.1016/j.jafrearsci.2009.03.008
- 2008 **McHenry, L.J.**, Mollé, G.M., and Swisher, C.C. III, 2008. Compositional and textural correlations between Olduvai Gorge Bed I tephra and volcanic sources in the Ngorongoro Volcanic Highlands, Tanzania. *Quaternary International* 178: 306-319. doi:10.1016/j.quaint.2007.01.004

Publications by John Hanchar and students (Memorial University)

- Fisher, C.M., Hanchar, J.M., Dhuime, B., Samson, S.D., Blichert-Toft, J., Vervoort, J.D. and Lam, R. (2011) Synthetic zircon doped with hafnium and rare earth elements for use as reference material

for hafnium isotopic analyses. *Chemical Geology*, 286: 32-47;
doi:10.1016/j.chemgeo.2011.04.013.

Fisher, C.M., McFarlane, C.R.M., Hanchar, J.M., Schmitz, M.D., Sylvester, P.J. and Lam, R. (2011) Sm-Nd isotope systematics by laser ablation-multicollector-inductively coupled plasma mass spectrometry: Methods and potential natural and synthetic reference materials. *Chemical Geology*, 284: 1-20; doi:10.1016/j.chemgeo.2011.01.012.

Valley, P.M., Hanchar, J.M. and Whitehouse, M.J. (2011) New insights on the evolution of the Lyon Mountain Granite and associated magnetite-apatite "Kiruna-type" deposits, Adirondack Mountains, New York State. *Geosphere*, 7: 357-389; doi: 10.1130/GES00624.1.

Publications by Beverly Saylor (Case Western Reserve)

2010 - Deino, A., Scott, G., **Saylor, B.Z.**, Alene, M., Haille-Selassie, Y., **Angelini, J.**, 40Ar/39Ar dating, paleomagnetism, and tephrochemistry of Pliocene strata of the hominid-bearing Woranso-Mille area, west central Afar Rift, Ethiopia, *Journal of Human Evolution*, v. 58, p. 111-126.

2005 - **Saylor, B.Z.**, **Poling, J.M.***, Huff, W., Stratigraphic and geochemical correlation of ash beds in the Terminal Proterozoic Nama Group, Namibia, *Geological Magazine*, v. 142, p. 519-538.