

M. Steven Shackley
Professor Emeritus, University of California, Berkeley

Education:

Arizona State University	Anthropology	Ph.D. (1990)
San Diego State University	Anthropology	M.A. (1981)
San Diego State University	Geology/Anthropology (Cum Laude)	B.A. (1979)
Grossmont College, La Mesa, CA	Physical Science/Liberal Arts (Honors)	A.A. (1977)
US Marine Corps Warrant Officer Basic School, Quantico Virginia,		1970

Appointments:

2011-present	Director, Geoarchaeological XRF Laboratory, Albuquerque, New Mexico
2011-present	Adjunct Professor, Department of Anthropology, University of New Mexico
2003-2011	University Professor and Director Geoarchaeological XRF Lab, Departments of Anthropology and Earth and Planetary Sciences, University of California, Berkeley (Emeritus, 2011)
1990-2003	Assistant-Associate to full Research Professor, Phoebe Hearst Museum of Anthropology, and Department of Anthropology, UC, Berkeley

Society for American Archaeology's Roald Fryxell Medal and Award for Interdisciplinary Research (Physical Science). Awarded at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, New Mexico, 12 April 2019.

Society for American Archaeology Award for Excellence in Archaeological Analysis, 2011

Publications, monograph chapters, presented papers selection (2018, early 2019). Lab reports available at escholarship.org

- 2019 Kwoka, J.J., and **M.S. Shackley**, Technological analysis and source provenance of obsidian artifacts from a Sun Pyramid substructure cache, Teotihuacan, Mexico. *Latin American Antiquity* 30:205-210.
- 2019 **Shackley, M.S.**, E.V. Doronicheva, V.B. Dronichev L.V. Golovanova, S.A. Nesmeyanov, O.A. Voeykova, and A.A. Muriy, The Zayukovo (Baksan) archaeological obsidian source, Greater Caucasus, Russia. *IAOS Bulletin* 60: 11-23.
- 2019 Doronicheva, E.V., L.V. Goloanova, V.B. Doronichev, **M.S. Shackley**, and A.G. Nedomolkin, New data about exploitation of the Zayukovo (Baksan) obsidian source in Northern Caucasus during the Paleolithic. *Journal of Archaeological Science: Reports* 23:157-165.
- 2019 **Shackley, M.S.** Natural and Cultural History of the Obsidian Butte Source, Imperial County, California. *California Archaeology* 11(1), in press.
- 2018 Dolan, S.G., **M.S. Shackley**, D.G. Wyckoff, and C.E. Skinner, Long-Distance Conveyance of California Obsidian at the Hayhurst Lithic Cache Site (34ML168) in Oklahoma. *Plains Anthropologist* 63:279-297.
- 2018 Glover, J.B., Z.X. Hruby, D. Rissolo, J.W. Ball, M.D. Glascock, and **M.S. Shackley**, Interregional Interaction in Terminal Classic Yucatan: Recent Obsidian and Ceramic Data from Vista Alegre, Quintana Roo, Mexico. *Latin American Antiquity* 29:475-494.

- 2018 **Shackley, M.S.**, L.E. Morgan, and D. Pyle, Elemental, isotopic, and geochronological variability in Mogollon-Datil Volcanic Province archaeological obsidian, southwestern USA: solving issues of inter-source discrimination. *Geoarchaeology* 33:486-497.
- 2018 Duff, A.I., A. Zena, A. Melesse, J.A. Wolff, O.K. Neill, and **M.S. Shackley**, Recent research on megalithic stele sites of the Gadeo Zone, southern Ethiopia. *Journal of Archaeological Science: Reports* 19:856-863.
- 2018 **Shackley, M.S.** X-Ray Fluorescence (XRF): Applications in Archaeology. In: Smith C. (eds) *Encyclopedia of Global Archaeology*. Springer, New York.
- 2018 Hu, Di, and **M.S. Shackley**, ED-XRF analysis of obsidian artifacts from Yanawilka, a settlement of transplanted laborers (*mitmaqkuna*), and implications for Inca imperialism. *Journal of Archaeological Science: Reports* 18:213-221.
- 2018 **Shackley, M.S.**, and J.L. Moore, More than just Jemez Pueblo obsidian: comment on Liebmann's "...Landscapes of Signification in the American Southwest". *American Antiquity* 83:753-755.
- 2018 **Shackley, M.S.**, C. Loendorf, C. Fertelmes, and L. Simon: Source provenance of obsidian artifacts from Antler House Village, Cordes Junction, central Arizona. In D.H. Sorrell, T. L. Gentilli, J. Simon Bruder, and L.M. Wygant (Eds.), *Archaeological Investigations at Antler House Village, AZ N:12:64 (ASM): A Persistent Pre-Classic Farmstead in a Northern Hohokam Hinterland*. EcoPlan Technical Series 1. EcoPlan Associates, Inc., Mesa, Arizona.
- 2018 A major, minor, and trace element x-ray fluorescence (XRF) analysis of copper nuggets and artifacts from two sites on White Sands Missile Range, southern New Mexico. In A. Kurota, E. Sternberg, and R. Dello-Russo (Eds.), *Archaeology of White Sands Missile Range*, pp. 55-1-55-10. Prepared for Department of the Army, U.S. Army Garrison White Sands, New Mexico.
- 2018 Source provenance of obsidian artifacts from White Sands Missile Range, southern New Mexico. In In A. Kurota, E. Sternberg, and R. Dello-Russo (Eds.), *Archaeology of White Sands Missile Range*, pp. 50-1-50-8. Prepared for Department of the Army, U.S. Army Garrison White Sands, New Mexico.
- Clark, Jeffrey, J. Brett Hill, and **M. Steven Shackley**
- 2019 Looking Through the Glass: How Large-Scale XRF Obsidian Sourcing Has Exploded Our View of Late Prehistoric Pre-Hispanic Regional Networks in the U.S. Southwest. Paper presented at the 2019 Fryxell Award Symposium: Papers in Honor of M. Steven Shackley.
- Dolan, S.G., E. Gallaga, and **M.S. Shackley**
- 2019 Archaic Period Obsidian Procurement in the Casas Grandes Region, Chihuahua, Mexico. Poster presented at the Southern Southwest Archaeological Conference, Phoenix, Arizona.

Joseph Birkmann, Bruce B. Huckell, and **M. Steven Shackley** 4/22/2019 4/22/2019
2018 San Jose Revisited: The Typology, Morphometrics, and Geochemistry of early Middle Archaic Occupation in West-Central, New Mexico. Poster presented at *The Archaic in New Mexico* conference, New Mexico Archaeological Council, Albuquerque, New Mexico, November 10, 2018.

Ryan, Stacy L., **M. Steven Shackley**, and Allen Denoyer
2018 Raw Material Selection and Obsidian Procurement and Use at a Salado Site in the Upper Gila. Poster presented at the 7th Natural History of the Gila Symposium, Silver City, New Mexico, February 22-24, 2018.

Most Current Collaborators (excluding students and colleagues at Berkeley)

Robert Dello-Russo, Office of Contract Archaeology, University of New Mexico
Jeff Clark, Archaeology Southwest, Tucson
Michael Glascock, Missouri University Research Reactor Center, Columbia
Bruce Huckell, Department of Anthropology, University of New Mexico
Barbara Mills, Department of Anthropology, University of Arizona
Jeff Speakman, University of Georgia
Ana Steffen, Valles Caldera National Preserve, New Mexico

Selection of former graduate students (Anthropology and Earth and Planetary Sciences):

Bryan Cockrell (Ph.D. 2014), Metropolitan Museum of Art, New York, New York
Carolyn Dillian, (Ph.D. 2002) Carolina Coastal University
Celeste Henrickson (Ph.D. 2014), University of Utah, Salt Lake
Kathleen Hull, (Ph.D. 2002) University of California, Merced
Jennifer Kahn, (Ph.D. 2005) College of William and Mary, Virginia
Mark McCoy, (Ph.D. 2006) Southern Methodist University
Leah Morgan (Ph.D. 2009), USGS, Denver
Lee Panich, (Ph.D. 2009) Santa Clara University, California
Andrew Roddick, (Ph.D. 2008) McMaster University, Canada
Kathleen Sterling, (Ph.D. 2005) Binghamton University
James Watkins (Ph.D. 2010), University of Oregon