

Elizabeth T. Horton, Ph.D

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Education

Ph.D., Anthropology. Washington University in St. Louis, St. Louis MO, 2010

The Ties that Bind; Prehistoric Fabric Production and Fiber Use in the Ozark Plateau

M.A. Anthropology. Washington University in St. Louis, 2003

Investigation of Perishable Materials Associated with Fawn Hoof, a Desiccated Burial from Short Cave, Kentucky.

B.A. Double degree: Anthropology - Religious Studies. Webster University, St. Louis, MO. 1996

Sole Proprietor

Rattlesnake Master LLC. Archaeobotanical/paleoethnobotanical analysis, and horticultural and ethnobotanical services. www.rattlesnakemaster.org.

DUNS # 117644108

Current Projects

The Palette for Selection (Iva work packet), Kistler, Logan (PI) and Natalie Mueller (Co-PI). Funding provided by the Smithsonian - National Museum of Natural History

- Multi-disciplinary, multi-methodology study of the Eastern North American “Lost Crops” focusing on plant plasticity response to cultivation.

Employment

2021-present	Cultural Resources Reviewer (maximum 20hrs a week). Cultural Heritage Partners PLLC. Richmond, VA
2011 to 2020	<i>Assistant Archeologist</i> . Arkansas Archeological Survey, Toltec Mounds Research Station, Scott AR (40hrs week) <i>Research Faculty</i> , University of Arkansas, Department of Anthropology, Fayetteville, AR
2010- 2011	<i>Postdoctoral Research Associate</i> , Arkansas Archeological Survey, Fayetteville, AR, (40 hrs week)
2008	<i>Research Associate</i> . St. Louis Archaeological Research Center (ARC) (project based, 40 hrs week)
2005- 2007	<i>Field Supervisor</i> (seasonal, project based, 40 hrs week May-July) Fort San Juan / Berry Site Field School, NC (Exploring Joara Foundation)
2005	<i>Graduate Student Director</i> , Blake Archaeological Laboratory, Washington University in St. Louis. (part time, 20 hrs week)
2004	<i>Field Supervisor</i> (seasonal), Tensas Bayou Geoarchaeological and Archaeological Research Project, LA (project based, 40 hrs week May – July)
2002-2003	<i>Field Supervisor</i> (seasonal, project based, 40 hrs week)) Central Mississippi Valley Archaeological Research Institute (CMVARI) and University of Missouri in St. Louis
2001	<i>Laboratory supervisor</i> (seasonal, project based, 40 hrs week)) Central Mississippi Valley Archaeological Research Institute (CMVARI)
1999 – 2007	<i>Research Assistant</i> , Central Mississippi Valley Archaeological Research Institute (CMVARI) (Project based)

Grants, Scholarships, and Fellowships

- 2019 Arkansas Archeological Society; ARF Grant (co-author Carl Drexler) for “Radiocarbon Dates for Holman Springs (3SV29) a Caddo Salt Site.
- 2017 Arkansas Archeological Society; ARF Grant (co-collaborators Timothy Mulvihill and Mary Brennan) for “Radiocarbon Dates for the Woolsey (3FR46) Site.
- 2016 Arkansas Archeological Society: ARF Grant for “Spiraling Through Time; Radiocarbon Dates for Iconographic Basketry from the Ozark Plateau”
- 2015 SEAC Public Outreach Grant (Co-authors Jodi Barnes, Emily Beahm, George Sabo), for “Gathering, Gardening and Agriculture: A Fifth Grade Curriculum”
- 2014 Arkansas Humanities Council and The National Endowment for the Humanities, for “The Plum Bayou Garden at Toltec Mounds State Park”
- 2009 Washington University in St. Louis, Graduate School of Arts and Sciences Continuing Fellowship
- 2007 National Science Foundation Behavioral and Social Sciences Program Dissertation Improvement Grant (NSF 0731401)
- 2002 Cave Research Foundation Karst Fellowship: Grant In support of MA research
- 2001-2003 Washington University in St. Louis, Graduate School of Arts and Sciences Fellowship
- 2001- 2009 Washington University in St. Louis, Graduate School of Arts and Sciences Scholarship

Publications

Meyers, Maureen S., Elizabeth T. Horton, Edmond A. Boudreaux, Stephen B. Carmody, Alice P. Wright and Victoria G. Dekle

- 2018 The Context and Consequences of Sexual Harassment in Southeastern Archaeology. *Advances in Archaeological Practice* 6(4): 275-287.
- 2015 Preliminary Results of the SEAC Sexual Harassment Survey. *Horizon and Tradition: The Newsletter of the Southeastern Archaeological Conference* 57(1):19-35

Mueller, Natalie G., Gayle J. Fritz, Paul Patton, Stephen Carmody, and Elizabeth Horton

- 2017 “Growing Lost Crops: New Directions in the Study of Eastern North America’s Original Agricultural System” *Nature: Plants* 3 (1-5)

Barnes, Jodi, Emily Beahm, Elizabeth T. Horton, and George Sabo

- 2016 “Gathering, Gardening and Agriculture; A Fifth Grade Social Sciences Curriculum” Arkansas Archeological Survey, Fayetteville, AR (curriculum available free at www.archeology.uark.edu/gga/about-us/)

Beck, Robin A., David G. Moore, Christopher B. Rodning, Sarah Sherwood and Elizabeth T. Horton

- 2016 “The Built Environment of The Berry Site Spanish Compound.” In *Fort San Juan and the Limits of Empire: Colonialism and Household Practice at the Berry Site*. Edited by Robin A. Beck, David G. Moore and Christopher B. Rodning, pp: 85-149. University of Press, Florida.

Horton, Elizabeth T.

- 2007 Investigation of Perishable Materials Associated with Fawn Hoof, a Desiccated Burial from Short Cave, Kentucky. In *Current Archaeological Research in Kentucky: Volume Eight*, edited by David Pollack. pgs.91-108. Kentucky Heritage Council. Lexington, Kentucky.

2021 Sacred Bundles in the Craig Mound Spirit Lodge at Spiro. In *Recovering Ancient Spiro: Native American Art, Ritual, and Cosmic Renewal*, edited by Eric T. Singleton and Kent F. III Reilly, pp. 136–149.

Teaching Experience

ANTH4398 Special Topics: Experimental Archeology, University of Arkansas, Little Rock (co-taught with Dr. Krista Lewis)

ANTH4600 Archaeological Field Research, University of Arkansas, Little Rock (Instructor of record Krista Lewis), Spring 2013

Organized, directed, and trained students for the 2013 “Spring Break Dig,” a one-week intensive field training for students at Toltec Mounds Archeological State Park

Arkansas Archeological Survey and the Arkansas Archeological Society Annual Training Program’s “Basic Excavation” (seminar enrollment varies from 5 to 15). Summer 2011, 2012, 2013, 2015, 2016, 2018

Intensive, all day, weeklong course which acts as the primary introduction to field methods And ethics in archaeology for volunteers of all ages. The week of training is split between in class lecture and discussion of ethics and core fundamentals to archaeology and hands on field methods in excavation.

Arkansas Archeological Survey and the Arkansas Archeological Society Annual Training Program’s “Advanced Seminar: Paleoethnobotany” (seminar enrollment varies from 5 to 15).

Summer 2014, 2017, 2019

Intensive, all day advanced seminar introduces volunteers to method and theory in paleoethnobotanical research. Training primarily focuses on best sampling practices in the field, as well as initial flotation processes of soil samples, but also introduces participants to

OLLI, University of Arkansas

Plant Domestication in Eastern North America. March 2019 (8 enrollees)

Intensive day-long seminar for adult learners into the history of both the science of paleoethnobotany and the study of the independent plant domestication in Eastern North America.

Selected Interviews

Gattuso, Reina

2019 “The Promise and perils of resurrecting Native American’s Lost Crops: Who owns ancient seeds?” *Atlas Obscura* <https://www.atlasobscura.com/articles/native-american-crops>

Meredith, America

2017 “The Artistic Legacy of Spiro Mounds.” *First American Indian Art*, no.15

Selected public projects and webpages

Plum Bayou Garden: Public Educational and Research Garden at Toltec Mounds Archaeological State

Park, Scott AR (www.facebook.com/PlumBayouGarden)

Selected collections webpages

- <https://archaeology.uark.edu/artifacts/wovenshoe/>
- <https://archeology-uark.edu/artifacts/owl-effigy/>
- <https://archeology.uark.edu/artifacts/cobbcavebasketry/>
- <https://archeology.uark.edu/ozarkbluffshelters/archeological-sites/edens-bluff-seed-bag/>

Founding Member - *Lost Crops Network* www.LostCrops.org

The First Farmers and Lost Crops of Arkansas – <https://ualr.edu/tv/2018/09/19/earthtalk-dr-elizabeth-t-horton/>

Presentations, Professional

Horton, Elizabeth T., Maureen Meyers, Edmond A. Boudreaux III, Stephen Carmody, Alice Wright and Victoria Dekle,

2018 *Results of the SEAC Sexual Harassment Survey*. Paper presented at the 75th Annual Meeting of the Southeastern Archaeological Conference, Plenary Session; Towards Evidence Based, Community Solutions to Sexual Harassment and Assault in Southeastern Archaeology. Augusta, GA

Horton, Elizabeth T.

2017 *Threads of Time: The Paleoethnobotany of Perishable Technologies in the Ozark Plateau*. Paper presented at the 74th Annual Meeting of the Southeastern Archaeological Conference. Tulsa, OK

2014 *News Threads of Research from Old Collections; Technique, Style, and Iconography in Basketry and Textiles from Craig Mound at Spiro*. Paper presented at the 72nd Plains Anthropological Conference, Fayetteville, AR.

2014 *Weaving for the Worlds Beyond; Technique, Style, and Iconography in Basketry and Textiles from Craig Mound at Spiro*. Paper presented at the 71st Annual Meeting of the Society for American Archeology, Greenville, SC

2014 *Weaving from Forests and Spinning the Fields; 3,000 Years of Fiber Use in the Ozark Highlands of the Southeastern United States*. Paper presented at the 71st Annual Meeting of the Society for American Archeology, Greenville, SC

2014 *Cane Cultures: Investigating the Archeological Record of Rivercane Use in the Pre-Columbian Southeastern United States*. Joint conference for the Society for Ethnobiology and the Society of Economic Botany, Cherokee, NC.

2013 *The Craig Mound Perishable Project and the Identification of the Petaca of the Southeast*. Paper presented at the 55th Annual Caddo Conference, Tulsa, OK.

2012 *From the Looter's Cast-off Pile to the Center of Research; Sacred Bundles from Craig Mound, Spiro Oklahoma*. Paper presented at the American Anthropological Association 111th Annual Conference, San Francisco, CA

2011 *The Craig Mound Perishable Project*. Paper presented at the 53rd Annual Caddo Conference, Forth Smith, AR.

2010 *The Ties That Bind: 3000 Years of Fabric Production and Fiber Use in the Ozark Plateau*.

- Paper presented at the 75th annual Conference of the Society for American Archaeology. St. Louis, Missouri
- 2008 *A New Look at Perishable Technologies from the Ozark Plateau: Focus on Fiber*. Paper presented at the 31st Annual Conference of the Society of Ethnobiology. Fayetteville, Arkansas.
- 2003 *Investigation of Perishable Materials Associated with Fawn Hoof, a Desiccated Burial from Short Cave, Kentucky*. Paper presented at the 16th annual Kentucky Archaeological Conference. Lexington, Kentucky
- 2002 *Pots and Cloth: Textile Analysis of Fabric Impressed Ceramics from the Herrell Site, Jv55, Jefferson County, Missouri*. Paper presented 59th Southeastern Archaeological Conference. Biloxi, Mississippi.

Awards

Barnes, Jodi, Emily Beahm, Elizabeth Horton, and George Sabo

- 2018 Preserve Arkansas: Excellence in Heritage Preservation for "Gathering, Gardening and Agriculture; a Fifth Grade Curriculum."

Symposia organized and chaired

Elizabeth T. Horton, Symposium Chair

- 2014 Style and Iconography, 71st Annual Meeting of Southeastern Archaeology, Greenville, SC

Natalie Mueller, Paul Patton and Elizabeth Horton, Symposium organizers;

- 2017 Growing Lost Crops: Insights into the Eastern Agricultural Complex from Living Plants. 73rd Annual Meeting of the Southeastern Archeological Conference, Athens, Georgia.

Professional Memberships

Southeastern Archaeological Conference (SEAC)

Society of Economic Botany (SoEB)