

UTAH STATE UNIVERSITY EASTERN
PREHISTORIC MUSEUM

EXPERIENCE LIFE
3 BILLION YEARS IN THE MAKING



Timothy Eric Riley

Prehistoric Museum,
Utah State University- College of Eastern Utah,
155 E. Main St., Price, UT 84501

Tel: (435) 613-5290
Email: tim.riley@usu.edu

A. Appointments:

- 6/2012-Present **Curator of Archaeology, Prehistoric Museum@ Utah State University Eastern**
Duties include:
- an active research program focused on the archaeology of Eastern Utah
 - Management of an accredited Federal repository
 - Design of exhibits consistent with the current state of knowledge of the archaeology of Eastern Utah
 - Public outreach and education
 - Partnership with land management agencies to protect the cultural heritage of Eastern Utah
- 8/2013-Present **Adjunct Instructor of Anthropology, Utah State University Eastern**
Teaching Anth 1010, Introduction to Cultural Anthropology and Anth 2330, Principles of Archaeology
- 2010- 2012 **Adjunct Assistant Professor, Anthropology Dept., Texas A&M University**
Duties included palynological and plant microfossil labwork and analysis on archaeological projects from across North America as well as confidential palynological forensic projects from around the world.
- 2004-2010 **Anthropology Dept., Texas A&M University**
- Technician II**, Palynology Laboratory, 2009-2010
- Graduate Assistant Research**, Palynology Laboratory, Spring 2009
- Assistant Curator**, Collections Facility, Spring 2007, 2010
- Instructor of Record**, *ANTH 201- Introduction to Anthropology*, Fall 2007
- Lab Instructor**, *Graduate lab in Paleoethnobotany*, Spring 2006, Spring 2008, Spring 2010
- Instructor of Record**, *ANTH 205- People and Cultures of the World*, Fall 2004, Spring 2005, Fall 2005, Fall 2006, Summer 2008
- Archaeological Crew Chief/Mapping Specialist**, Center for the Study of the First Americans, Summer 2004, Summer 2005, Summer 2006, Summer 2007, Summer 2008

B. Professional Preparation:

Texas A&M University	Anthropology	Ph.D.	2010
Dissertation: <i>Assessing Diet and Seasonality in the Lower Pecos Canyonlands: An Evaluation of Coprolite Specimens as Records of Individual Dietary Decisions.</i>			
Advisor: Vaughn M. Bryant			
The University of Chicago	Anthropology	A.B. with honors	2000



C. Research:

Dissertation

(2010) *Assessing Diet and Seasonality in the Lower Pecos Canyonlands: An Evaluation of Coprolite Specimens as Records of Individual Dietary Decisions*. Ph.D., Department of Anthropology, Texas A&M University, College Station, TX.

Publications

Riley, Tim (2012) *Assessing Diet and Seasonality in the Lower Pecos Canyonlands: An Evaluation of Coprolite Specimens as Records of Individual Dietary Decisions*. *Journal of Archaeological Science* 39: 145-162.

Riley, Tim (2008) *Diet and Seasonality in the Lower Pecos: Evaluating Coprolite Data Sets with Cluster Analysis*. *Journal of Archaeological Science* 35: 2726-2741.

Contract Reports

Riley, Tim (2012) *Ancient Starch Analysis of Ceramic Sherds and a Stone Bowl Fragment Associated with the Appalachian Gateway Phase III Data Recovery Project*. Prepared for R. Christopher Goodwin & Associates, Inc., 241 East Fourth Street, Suite 100, Frederick, Maryland 21701. Starch analysis of ceramic sherds.

Riley, Tim (2012) *Microfossil Analysis of Fire-Cracked Rock Samples and Associated Sediment from the Genevieve Lykes Duncan Site (41BS2615), Texas*. Prepared for the Center for Big Bend Studies, Sul Ross State University, Box C-71, Alpine, Texas 79832. Includes starch analysis of fire-cracked rock.

Riley, Tim (2012) *Microfossil Analysis of Burnt Clay Samples from 41BX256, Bexar County, Texas*. Prepared for Ecological Communications Corporation, 4009 Banister Lane, Suite 300, Austin, TX 78704. Includes starch analysis of burnt clay artifacts.

Riley, Tim (2011) *Analysis of Pollen Samples and Microfossil Analysis of Artifacts from Site 8GD106 Associated with the Florida Gas Transmission Phase VIII Expansion Project*. Prepared for R. Christopher Goodwyn & Associates, Inc. 309 Jefferson Highway- Suite A, New Orleans, LA 70121. Includes starch analysis of groundstone artifacts.

Riley, Tim (2011) *Analysis of Pollen Samples and Microfossil Analysis of Artifacts from Site 8SU377 Associated with the Florida Gas Transmission Phase VIII Expansion Project*. Prepared for R. Christopher Goodwyn & Associates, Inc. 309 Jefferson Highway- Suite A, New Orleans, LA 70121. Includes starch analysis of groundstone artifacts.

Riley, Tim (2011) *Microfossil Analysis of Fire-Cracked Rock Samples from 41HY165, Hays County, Texas*. Prepared for Center for Archaeological Studies, Texas State University, 601 University Drive, San Marcos, TX 78666. Includes starch and phytolith analysis of fire-cracked rock artifacts.

Riley, Tim (2011) *Microfossil Analysis of Fire-Cracked Rock Samples from 41DL436, Dallas County, Texas*. Prepared for Ecological Communications Corporation, 4009 Banister Lane, Suite 300, Austin, TX 78704. Includes starch analysis of fire-cracked rock artifacts.

Riley, Tim (2011) *Report on the Pollen Analysis of WAP 1 core from Wapanocca Bayou, Crittenden County, Arkansas*. Prepared for Geoarchaeology Research Associates, Yonkers, New York.



Contract Reports (Continued)

Riley, Tim (2011) *Report on the Pollen Analysis of Twenty-Seven Samples from Carrizozo Project, 41.894: LA 120972 and LA 120973*. Prepared for the Office of Archaeological Studies, New Mexico Department of Cultural Affairs, Santa Fe, New Mexico. Includes starch analysis of groundstone artifacts.

Riley, Tim, Masahiro Kamiya, and Laura Short (2009) *Starch Analysis of Groundstone Artifacts from the Siren Site (41WM1126), Williamson County, Texas*. Prepared for SWCA Environmental Consultants, Austin, Texas.

Marshall, Dawn, **Tim Riley** and Vaughn M. Bryant (2009) *Pollen, Starch and Macrobotanical Analysis from Feature 30, (WIS-007) Outhouse Fill Coldfoot, Alaska*. Prepared for Robin O. Mills, Fairbanks District Archaeologist, Bureau of Land Management, Alaska.

Riley, Tim (2009) *Analysis of Residues on Stone Tools from Buckeye Knoll using ESEM Imagery*. Forthcoming as appendix to Barret, Jason (2011) *Lithic Analysis of Buckeye Knoll (41VT98)*.

Presentations at Professional Meetings

2014 *Judging the Book Cliffs by their cover: Investigating the archaeological record along the face of the Tavaputs Plateau*. Presented at the 34th Annual Great Basin Anthropological Conference, October 15-18, 2014, Boise, ID.

2014 *Incised Stones and Unsecured Localities: Authenticating Private Collections*. Presented at the Society for American Archaeology 79th Annual Meeting, April 23-27, 2014, Austin, TX.

2013 *Ancient Starchways in Museum Collections: An Investigation of Fremont Subsistence through Microresidues Curated in the USU Eastern Prehistoric Museum*. Presented at the Society for American Archaeology 78th Annual Meeting, April 3-7, 2013, Honolulu, HI.

2012 *Reflections on Paleomenus: Utilizing Exploratory Statistics to Evaluate the Dietary Decisions of Individuals in the Archaeological Record*. Presented at the 33rd Annual Great Basin Anthropological Conference, October 17-21, 2012, Stateline, NV.

2011 *Prehistory and Geoarchaeological Investigations Along the Central Mississippi Valley: Recent Advances*. Presented at the Society for American Archaeology 76th Annual Meeting, March 30-April 3, 2011, Sacramento, CA (Fourth Author).

2010 *Usewear and Residue Analyses on Tools from the Lower Pecos Canyonlands: Exploring Tool Function through Experimental Comparison*. Presented at the Society for American Archaeology 75th Annual Meeting, April 14-18, 2010, St. Louis, MO. (Second Author).

2010 *Resource Processing in the Chihuahuan Desert: A Microbotanical Analysis of Stone Tools from West Texas*. Presented at the Society for American Archaeology 75th Annual Meeting, April 14-18, 2010, St. Louis, MO. (Second Author).

2010 *Coprolite Research in the Lower Pecos Canyonlands: A Record of Individual Dietary Decisions*. Presented at the Society for American Archaeology 75th Annual Meeting, April 14-18, 2010, St. Louis, MO.

2009 *Sampling Coprolites: A Statistical Evaluation of Coprolite Sampling Techniques*. Presented at the Society for American Archaeology 74th Annual Meeting, April 23-26, 2009, Atlanta, GA.



Presentations (Continued)

2009 *Starch Research Among Hunter-Gatherers: Some Initial Results and Future Directions.* Presented at the 32nd Annual Conference of the Society of Ethnobiology, April 1-4, 2009, Tulane University, New Orleans, LA.

2008 *A Microbotanical Investigation of Groundstone from the Fremont Occupation of the Bonneville Estates Rockshelter, Nevada.* Presented at the 31st Annual Conference of the Society of Ethnobiology, April 16-19, 2008, University of Arkansas, Fayetteville, AR.

2008 *Evidence of Agriculture in the Bonneville Basin?: A Preliminary Investigation of the Microbotanical Record of the Bonneville Estates Rockshelter.* Presented at the Society for American Archaeology 73rd Annual Meeting, March 26-30, 2008, Vancouver, BC, Canada. (Chair)

2007 *A Statistical Analysis of Coprolites from the Lower Pecos.* Presented at the Society for American Archaeology 72nd Annual Meeting, April 25-29, 2007, Austin, TX.

2007 *Starch in Coprolites: A Preliminary Study from the Lower Pecos,* Presented at the 30th Annual Conference of the Society of Ethnobiology, March 29-31, 2007, University of California, Berkeley, CA.

2005 *An Application of Cluster Analysis to Coprolite Data from the Lower Pecos: Evaluating Subsistence and Settlement Patterns with Dietary Evidence.* Presented at the Center for Big Bend Studies, 12th Annual Conference, Nov. 11-12, 2005, Sul Ross State University, Alpine, TX.

D. Archaeological Field Experience:

- Martinez Pithouse Project, Prehistoric Museum @USU Eastern, **9/13-Present.** Mapping and excavation of Fremont pithouse and associated rubble mound near East Carbon, UT. Project includes public outreach and training Utah Statewide Archaeological Society volunteers in excavation methods. Fieldwork is ongoing. Fieldwork in UT.
- Various inventory, site stabilization, and recovery projects throughout Eastern Utah, **9/12-Present.** Amber Koski, BLM Price Field Office Archaeologist, 125 South 600 West, Price, UT 84501, 435-636-3618. Includes recovery of perishables and pottery, stabilization of human remains, and recording sites with IMACS. Other responsibilities include plant microfossil lab analysis of recovered artifacts and general artifact description and typology. Fieldwork in UT.
- Lost Creek, WY (48WA1878) Survey and Testing Project. **7/11,** Collaboration with Charlotte Pevny, Goodwin & Associates, Inc., 309 Jefferson Highway, Suite A, New Orleans, LA 70121, 281-787-6869. Project focused on evaluating depositional context of a 26 cm chert biface recovered by landowner. Fieldwork in WY.
- Bonneville Estates Rockshelter Excavation Project, Center for the Study of the First Americans, Texas A&M University, **5/08-6/08.** Ted Goebel, CSFA, Texas A&M University, 4352 TAMU, College Station, TX 77843-4352, 979-845-4046. Excavation. My primary focus was column excavation for aDNA study of coprolites by Eske Willersev. Fieldwork in NV.



Field Experience (Continued)

- Buttermilk Creek Excavation Project, Center for the Study of the First Americans, Texas A&M University, **6/06 – 7/06, 6/07, 4/08**. Michael Waters, CSFA, Texas A&M University, 4352 TAMU, College Station, TX 77843-4352, 979-845-5246. Excavation and survey. Crew supervisor. Site and topographic mapping with Sokia EDM. Fieldwork in TX.
- American Samoa Mountain Mapping Project, Texas A&M University at Galveston Maritime Studies Program, **5/05-7/05**. Frederic Pearl, Texas A&M University Galveston, PO Box 1675, Galveston, Texas 77553 –1675, **409-740-4935**. Site and topographic mapping with Sokia EDM. Fieldwork in American Samoa.
- Mud Lake Mammoth Relocation Project, Center for the Study of the First Americans, Texas A&M University, **7/04 – 8/04, 7/05-8/05**. Michael Waters, CSFA, Texas A&M University, 4352 TAMU, College Station, TX 77843-4352, 979-845-5246. Site and topographic mapping with Sokia EDM and transit. Archaeological surveying, backhoe monitoring, volunteer supervisor. Fieldwork in WI.
- Parsons-Brinckerhoff, **6/02 – 8/02**. George L. Arms, 5801 Osuna Rd. NE #200, Albuquerque, NM 87109, 505-881-7180. Excavation of Archaic and Historic period sites in the Hondo Valley, NM.
- Office of the State Archaeologist, The University of Iowa, **7/09/01- 12/15/01**. Tim Wietzel/ Wm. Lane Shields, 700 S. Clinton St. Bldg., Iowa City, IA 52242, 319-384-0937. Crew Chief/ GPS right-of-way navigation and site mapping, Phase I, II and III. Fieldwork in IA, MO.
- Midwest Environmental Consultants, The Mannik and Smith Group, Inc. **4/23/01- 6/15/01, 12/01, 9/02- 1/03, 4/03-7/03**. Kate Hayfield/Andrew Schneider, 1800 Wood Circle, Maumee, OH 43537, 419-891-2222. Archaeological field technician, Phase I, II and III. GPS operation, Historic battlefield survey, Historic records research. Fieldwork in OH, MI and IN.
- Atzlan Archaeology Inc., **9/00- 4/01**. Senior Archaeologist Morgan Rieder, P.O. Box 44068, Tucson, AZ 85733, 520-620-1480, Excavation and survey, including cremation burial mitigation. Fieldwork in AZ.
- Paa-ko Archaeological Field Study, The University of Chicago, **6/98-8/98, 6/99-8/99**. Mark Lycett, The University of Chicago, Department of Anthropology, 1126 East 59th Street, Chicago, IL 60637, 773-702-6040. Excavation of European-influenced economic components of the site. Also involved in sediment coring, test unit excavation, flotation, and botanical reference collection. Resulted in a senior honors thesis focused on the non-cultivated plant resources represented in the macrobotanical record. Fieldwork in NM.

UTAH STATE UNIVERSITY EASTERN PREHISTORIC MUSEUM

EXPERIENCE LIFE
3 BILLION YEARS IN THE MAKING



E. Table of Work

Date (Month, Year)	Type of Work (Survey, Excavation)	Name of Project	Location (County, State)	Days in Field	Days in Office	Sites Recorded, Monitored, Tested, or Excavated (estimates are okay)	
						Prehistoric	Historic
6/98-8/98, 9/98-12/98 6/99-8/99, 9/99-4/00	Excavation	Paa-ko Archaeological Field Study	Bernalillo, NM	60	40	1	
9/00-12/00	Excavation	Interstate 10 and Paseo del Norte Road Improvements	Pima, AZ	60	10	1	
1/01-3/01	Survey/Testing	Sun City Development Expansion	Maricopa, AZ	50		15	4
3/01-4/01	Survey	Multiple Cell Tower Surveys	Pima, Pinal, Cochise, AZ	20		5	
4/01-6/01	Survey/Testing	US24_Fort to Port	Lucas, Henry, Defiance, Paulding, OH, Allen, IN	54		30	10
7/01-8/01	Survey/Testing	Chariton Valley Biomass Project	Appanoose, Lucas, IA	20		10	5
8/01-9/01	Excavation	Highway 151_Bowen's Prairie Historic Archaeological District	Jones, IA	25	5		4
9/01	Testing/ Geoarchaeology	US 36 improvements	Buchanan, MO	10		1	
9/01-10/01	Testing	US 34 improvements	Des Moines, IA	20			
10/01	Survey	Proposed Scott Boulevard Right of Way, Pond Construction, and Wetlands Development Areas	Johnson, IA	5		1	
10/01-12/01	Survey	Alliance Pipeline Right of Way	Dubuque, Delaware, Jackson, IA	30	10	20	
1/02	Testing	US24_Fort to Port	Defiance, OH	10		1	
6/02-8/02	Excavation/ Testing	US 70 Hondo Valley Improvement Project	Chaves, Lincoln, NM	75		4	2
9/02-11/02	Survey/ Testing	Camp Grayling Army National Guard Training Site Lease	Crawford, Kalkaska, MI	60		18	13
11/02-1/03	Testing/ Excavation	US24_Fort to Port	Lucas, Henry, OH, Allen, IN	30	25	6	1
4/03-7/03	Excavation	M-64 Bridge Realignment	Ontonagon, MI	75			1
7/04-8/04	Testing/ Geoarchaeology	Mud Lake Mammoth Relocation Project	Kenosha, WI	20	15	1	
1/05-4/05	Excavation	Buckeye Knoll	Victoria, TX		20	1	
5/05-7/05	Mapping/Survey	American Samoa Mountain Mapping Project	Tutuila, American Samoa	40		3	
7/05-8/05	Testing/ Geoarchaeology	Mud Lake Mammoth Relocation Project	Kenosha, WI	25	15	1	
6/06-7/06	Excavation	Buttermilk Creek Excavation Project	Williamson, TX	50	10	1	
9/06-12-06	Excavation	Coldfoot, Alaska	Yukon-Koyukuk Census Area, AK		45		1
6/07	Excavation	Buttermilk Creek Excavation Project	Williamson, TX	10		1	
4/08	Excavation	Buttermilk Creek Excavation Project	Williamson, TX	5		1	
10/08-3/09	Excavation	Siren Site (41WM1126)	Williamson, TX		75	1	



Table of Work (Continued)

Date (Month, Year)	Type of Work (Survey, Excavation)	Name of Project	Location (County, State)	Days in Field	Days in Office	Sites Recorded, Monitored, Tested, or Excavated (estimates are okay)	
						Prehistoric	Historic
5/08-5/09	Excavation	Bonneville Estates Rockshelter Excavation Project	Elko, NV	40	60	1	
6/09-4/12	Excavation	Palynology for Multiple ACS, Ltd. Projects	Across AZ, WY		200	25?	
9/10-12/10	Coring/Survey	WAPI, Wapanocca Bayou	Crittendon, AR		60	1	
9/10-1/11	Excavation	Carrizozo Project (LA 120972 and LA 120973)	Lincoln, NM		60	2	
1/11 – 5/12	Forensic Cases	Not Disclosed	Not Disclosed		150		10
3/11-7/11	Excavation	41DL436	Dallas, TX		40	1	
2/11-8/11	Excavation	41HY165	Hays, TX		60	1	
7/11	Survey/Testing	48WA1878	Washakie, WY	10		2	
2/11-12/12	Testing/Excavation	Florida Gas Transmission Phase VIII Expansion Project	Gadsen, Jefferson, Leon, Suwannee, FL		150	5	
9/11-12/11	Excavation	41BX256	Bexar, TX		20	1	
10/11-5/12	Excavation	Genevieve Lykes Duncan Site (41BS2615)	Brewster, TX		50	1	
11/11-6/12	Excavation	Appalachian Gateway Phase III Data Recovery Project	Marshall, WV		60	1	
9/12-8/14	Survey/ Site Recording/ Stabilization/ Artifact Recovery	Various Projects in Eastern Utah in conjunction with BLM Price Field Office	Carbon, Emery, UT	33	25	17	
9/13-8/14	Excavation	Martinez Pithouse Project	Carbon, UT	20	8	1	

F. Other Relevant Information:

Professional Affiliations

- Utah Professional Archaeological Council
- Utah Statewide Archaeological Society
- Register of Professional Archaeologists
- Society for American Archaeology
- Society of Ethnobiology
- American Association of Stratigraphic Palynologists
- Society for Economic Botany
- Society for Phytolith Research

Service

- 2014 President, Utah Professional Archaeological Council
- 2008 Student Representative on Departmental Advisor Hiring Committee.
- 2006 Graduate Student Representative, Association of Former Students Board, Texas A&M University.
- 2005-2006 Department of Anthropology Representative, Graduate Student Council, Texas A&M University.
- 2005-2006 Graduate Student Representative, Library Advisory Board, Texas A&M University.



Other Relevant Information (Continued)

Training

- Certified by the Microscopy and Imaging Center, TAMU, in the use of
 - Olympus Fluoview FV1000 Confocal Microscope
 - Zeiss Axiophot Light Microscope
 - JEOL JSM-6400 Scanning Electron Microscope
- Experienced in the use of GPS navigation equipment and total station mapping equipment
- Experienced in the use of general laboratory equipment, proper chemical handling and storage (MDMS)
- Spanish

Relevant Graduate Coursework

ANTH 601	Evolutionary Anthropology
ANTH 602	Archaeological Method and Theory
ANTH 604	Cultural Method and Theory
ANTH 621	Prehistoric Technology
ANTH 624	Geoarchaeology
ANTH 625	Zooarcheology
ANTH 627	Human Paleonutrition
ANTH 630	Human Evolutionary Ecology
ANTH 634	Palynology
ANTH 637	Paleoethnobotany
ANTH 642	Research Design in Anthropology
ANTH 689	Hunter-Gatherer Theory
ANTH 689	Indians of Texas
BIOL 604	Fundamentals of SEM/ESEM Microscopy
BIOL 689	Fundamentals of Light Microscopy
BIOS 5970	Chemical Ecology (Western Michigan University)
RLEM 609	Plant and Range Ecology



G. Grants:

- 2012 Bill Barrett Corporation Archaeological Conservation Trust Mini-Grant, Used to purchase lab equipment for plant microfossil research on Fremont Sites.
- 2010 Department of Anthropology Travel Grant to attend 75th Annual Meeting of the Society for American Archaeology, St. Louis, Missouri.
- 2009 Department of Anthropology Travel Grant to attend 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia.
- 2009 Palynology Research Laboratory Travel Grant to attend 32nd Annual Meeting of the Society of Ethnobiology, New Orleans, Louisiana.
- 2008 Department of Anthropology Travel Grant to attend 73rd Annual Meeting of the Society for American Archaeology, Vancouver, BC, Canada.
- 2008 Palynology Research Laboratory Travel Grant to attend 107th Annual Meeting of the American Anthropological Association, San Francisco, California.
- 2008 Palynology Research Laboratory Travel Grant to attend 31st Annual Meeting of the Society of Ethnobiology, Fayetteville, Arkansas.
- 2006 Palynology Research Laboratory Travel Grant to attend 30th Annual Meeting of the Society of Ethnobiology, Berkeley, California.
- 2005 Palynology Research Laboratory Travel Grant to attend 72nd Annual Meeting of the Society for American Archaeology, Austin, Texas.
- 2005 Palynology Research Laboratory Travel Grant to attend 13th Annual Conference of the Center for Big Bend Studies, Alpine, Texas.
- 2005 National Science Foundation Graduate Research Fellowship Program, Honorable Mention.
- 2003 National Science Foundation Graduate Research Fellowship Program, Honorable Mention.
- 2003 Graduate Merit Fellowship, Texas A&M University.



H. List of References:

Vaughn M. Bryant

Professor
Director, Palynology Lab and Paleoethnobotany Lab
Department of Anthropology,
Texas A&M University,
College Station, TX 77843-4352

Tel: (979) 845-5245
Fax: (979) 845-4070
vbryant@tamu.edu

Ted Goebel

Associate Professor
Associate Director, Center for the Study of the First Americans
Department of Anthropology,
Texas A&M University,
College Station, TX 77843-4352

Tel: (979) 862-4544
Fax: (979) 845-4070
goebel@tamu.edu

Alston Thoms

Associate Professor
Director, Archaeological-Ecology Lab
Department of Anthropology,
Texas A&M University,
College Station, TX 77843-4352

Tel: (979) 862-8541
Fax: (979) 845-4070
a-thoms@tamu.edu