

DEVIN B. PETTIGREW
Curriculum Vitae, 2024

Visiting Assistant Professor of Anthropology
Center for Big Bend Studies
Sul Ross State University
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EDUCATION:

- Ph.D. Anthropology, University of Colorado Boulder 2021
Dissertation: The Origins and Evolution of Pre-Industrial Hunting Weapons: Ongoing Challenges and Recent Developments,
<https://www.proquest.com/docview/2619532514/abstract/20DD12428FC54836PQ/1>
- M.A. Anthropology, University of Arkansas Fayetteville 2015
Thesis: The Ballistics of Archaic North American Atlatls and Darts,
<https://search.proquest.com/docview/1679469298/abstract/8B5DA24101844E4EPQ/1>
- B.A. Fine Art and Anthropology, University of Arkansas Fayetteville 2008
Cum laude

PUBLICATIONS:

Pettigrew, Devin B., and William Taylor

2023 Reassessing the terminal ballistic performance of trilobate and quadrilobate arrow points on Iron Age battlefields. PLOS ONE 18(7):e0288483.

Pettigrew, Devin B., Justin Garnett, Caden Ryals-Luneberg, and Eric A. Vance

2023 Terminal Ballistics of Stone-Tipped Atlatl Darts and Arrows: Results From Exploratory Naturalistic Experiments. Open Archaeology 9(1):20220299.

Pettigrew, Devin B., and Douglas B. Bamforth

2023 On the (Non-)scalability of target media for evaluating the performance of ancient projectile weapons. Open Archaeology 9(1):20220295.

Pettigrew, Devin B.

2018 Ozark Atlatls and Darts: Old Finds and New Interpretations. Plains Anthropologist 63:245(4-25).

Pettigrew, Devin B., John C. Whittaker, Justin Garnett, and Patrick Hashman

2015 How Atlatl Darts Behave: Beveled Points and the Relevance of Controlled Experiments. American Antiquity 80(3):590-601.

Taylor, W., I. Hart, C. Pan, J. Bayarsaikhan, J. Murdoch, G. Caspari, M. Klinge, K. Pearson, U. Bikhumar, S. Shnaider, A. Abdykanova, P. Bittner, M. Zahir, N. Jarman, M. Williams, **D. B. Pettigrew**, M. Petraglia, C. Lee, E. J. Dixon, and N. Boivin
2021 High altitude hunting, climate change, and pastoral resilience in eastern Eurasia. *Scientific Reports* 11(1):14287.

Whittaker, John C., **Devin B. Pettigrew**, and Ryan Grohsmeyer
2017 Atlatl Dart Velocity: Accurate Measurements and Implications for Paleoindian and Archaic Archaeology. *PaleoAmerica* 3(2):161-181.

RELEVANT EXPERIENCE:

Graduate Teaching Assistant August 2016 – May 2021
Anthropology Department, University of Colorado Boulder
 ANTH 1105 Exploring a Non-Western Culture: Tibet
 ANTH 1140 Exploring a Non-Western Culture: The Maya
 ANTH 1145 Exploring a Non-Western Culture: The Aztecs
 ANTH 1190 Origins of Ancient Civilizations
 ANTH 2200 Archaeology of Human History
 ANTH 3000 Primate Behavior
 ANTH 4350/4390 Summer Archaeological Field School

Graduate Teaching Assistant August 2014 – May 2015
Anthropology Department, University of Arkansas Fayetteville
 ANTH 1011L Introduction to Biological Anthropology Laboratory

PaleoWest, LLC 2017 – Sept. 2022
Archaeological Technician (seasonal) transitioning to Senior Project Archaeologist (full-time)—cultural compliance monitoring, pedestrian survey, site recording, and report writing for projects throughout the high plains and inter-mountain regions of Colorado and Wyoming. Documented cultural contexts in fieldwork spanned the full range from early 20th c. to late Pleistocene. Office responsibilities included site mapping, creating and updating site forms, writing regional prehistoric overviews, and writing site environmental and cultural context narratives.

Flat Earth Archeology, LLC May 2015 – Nov. 2016
Archaeological technician transitioning to crew chief (full-time)—excavation of a large multicomponent prehistoric campsite, pedestrian shovel-test survey, artifact photography, report writing, mapping and excavation of early Euroamerican homesteads in Arkansas.

Arkansas Archeological Survey 2007 – Aug. 2014
Archaeological Technician (seasonal and full-time)—Projects included curating an artifact collection from Pea Ridge Civil War Battlefield, a metal detecting survey at Prairie Grove Civil War Battlefield and subsequent artifact curation, a metal detecting survey of an 18th c. French and Indian camp site along the Black River, Ozark bluff shelter surveys, analysis of early 20th c. Ozark bluff shelter museum

collections, rock art surveys, and excavations at Carden Bottoms, a 15th c. coalescent Native American village along the Arkansas River.

Panamerican Consultants Summer 2013
Archaeological Technician (full-time)—excavation of a large multicomponent prehistoric campsite along Sugar Creek in Northwest Arkansas.

Bureau of Land Management, Newcastle, Wyoming Summer 2012
Archaeological Technician (full-time)—reviewing cultural resources reports and energy extraction permits, management of a large paleo-archaic rock art site, surveying a proto-historic antelope trap, and surveying sites impacted by a 62,000-acre forest fire in the Black Hills of Wyoming.

CONFERENCE PRESENTATIONS:

Hilliard, Jerry and **Devin B. Pettigrew**

2014 Bluffs of the Ancestors. Poster presented at the 72nd meeting of the Plains Anthropological Society, Fayetteville, Arkansas.

Pettigrew, Devin B.

2013 Atlatls of the Ozark Bluffs. Poster presented at the 71st meeting of the Plains Anthropological Society, Loveland, Colorado.

2014 Atlatls of the Ozarks: Old Finds and New Interpretations. Paper presented at the 72nd meeting of the Plains Anthropological Society, Fayetteville, Arkansas.

2016 Ancient Projectile Weapons in Teaching and Public Outreach. Poster presented at the 81st annual meeting of the Society for American Archaeology, Orlando, Florida.

2018 Results and Effective Protocol of a Naturalistic Projectile Experiment. Paper presented at the 76th meeting of the Plains Anthropological Society, San Antonio, Texas.

2021 What Can You Hunt with an Atlatl? Improving Validity in Realistic Experiments. Paper presented at the 78th meeting of the Plains Anthropological Society, Boulder, Colorado.

2022 What Can Controlled Archaeological Projectile Experiments Tell Us? Paper presented at the 44th meeting of the Colorado Council of Professional Archaeologists, Denver, Colorado.

2023 Treating the Problem of Target Non-scalability in Archaeological Projectile Experiments. Paper presented at the 88th annual meeting of the Society for American Archaeology, Portland, Oregon.

Pettigrew, Devin B. and Jared Pebworth

2017 Ancient Weaponry from Ozark Bluffs. Paper presented at the 74th meeting of the Southeastern Archaeological Conference, Tulsa, Oklahoma.

Pettigrew, Devin B., Krista Evans, and Joanna Wurst

2012 Hell Gap: Resumed Excavations—Where are We Now? Poster presented at the spring meeting of the Wyoming Archaeological Society, Gillette.

Pettigrew, Devin B. and Marvin Kay

2015 Atlatl Dart and Arrowhead Microwear from the Woo-Pig Experiment. Poster presented at the 72nd meeting of the Plains Anthropological Society, Iowa City, Iowa.

Pettigrew, Devin B. and Tyler M. Harms

2022a Iowa Hunter Success After 40 Years of Weapon Development. Poster presented at the 82nd Midwest Fish and Wildlife Conference, Des Moines, Iowa.

2022b Iowa Hunter Success After 40 Years of Weapon Development. Poster presented at the Iowa Chapter of the Wildlife Society, Ames, Iowa.

Whittaker, John C., **Devin B. Pettigrew**, Justin Garnett, and Patrick Hashman

2014 Archaic Bevels and Atlatl Dart Performance. Paper presented at the 72nd meeting of the Plains Anthropological Society, Fayetteville, Arkansas.

INVITED TALKS:

Backcountry Hunters and Anglers Black Bear Bonanza May 2023
Ancient Bear Hunters and Atlatls

University of Tennessee Chattanooga October 2021
Weapon Technology, Hunting Success, and the Search for Modern Behavior in Our Species

Colorado Archaeological Society, Indian Peaks Chapter December 2021
What Can You Hunt with an Atlatl? Improving Validity in Realistic Experiments

PUBLIC APPEARANCES:

A Life in Ruins Podcast, Episodes 18, 19, 75, 112, and 170 March 2020-August 2023

Year of Plenty Podcast January 2022

Bear Grease Podcast, Season 1, Episode 34 December 2021

Black Duck Revival Podcast, Episode 27 May 2022

GRANTS AND AWARDS:

Lead Graduate Student Teaching Fellowship Aug. 2020 – May 2021
\$2,500 teaching stipend, Center for Teaching and Learning, University of Colorado Boulder. Role: teaching fellow

J. Tour Scholarship in Arts and Sciences Aug. 2020 – May 2021
\$2,000 research stipend. Role: recipient

Center for the Study of Origins Fellowship Aug. 2019 – Dec. 2019
\$11,400 research stipend. Role: graduate student research fellow

Beverly Sears Research Grant January 2019
\$1,000 research grant. Role: recipient

Alice Hamilton Scholarship Fund March 2018
\$600 research grant, Colorado Council of Professional Archaeologists. Role: recipient

MEMBERSHIPS:

Colorado Council of Professional Archaeologists March 2022 – Present

Golden Key International Honour Society November 2015 – Present

Society for American Archaeology April 2014 – Present

Plains Anthropological Society October 2013 – Present

World Atlatl Association March 2008 – Present

- Editor of the Newsletter, July 2014 – January 2016
- Vice President, September 2021 – Present