

CURRICULUM VITAE
JONATHAN DOMBROSKY

University of New Mexico
Department of Anthropology
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EDUCATION

- Ongoing Ph.D. in Anthropology, University of New Mexico
Dissertation: *Ancestral Puebloan Fishing Strategies in the Pueblo IV Middle Rio Grande*
Advisor: Dr. Emily Lena Jones
- 2015 M.S. in Applied Geography concentrating in Environmental Archaeology, University of North Texas
Thesis: *The Descriptive Paleontology and Applied Ichthyoarchaeology of the Ponsipa Fauna*
Advisor: Dr. Steve Wolverton
- 2013 B.A. in Anthropology with honors (Magna Cum Laude), University of North Texas
Thesis: *Student Perception of Feral Cats and Their Effects on Campus Wildlife*
Advisor: Dr. Steve Wolverton

RESEARCH FOCI

Zooarchaeology, Human ecology, Historical ecology, Conservation biology, Ethnobiology, and North American prehistory

ACADEMIC POSITIONS

- Spring 2016–Present *Editorial Assistant*, Journal of Anthropological Research (ISSN 0091-7710)
- Fall 2015–Present *Production Editor*, Ethnobiology Letters (ISSN 2159-8126)
- Fall 2015/Spring 2016 *Graduate Assistant*, Introduction to Anthropology, Department of Anthropology, University of New Mexico
- Fall 2011–Fall 2015 *Editorial Assistant*, Ethnobiology Letters (ISSN 2159-8126)
- Summers 2012–2014 *Research Assistant*, NSF Archaeometry Technical Development Grant No. 1112615, Expanding Application of Proteomics-based Research in Archaeological Residue Analysis, University of North Texas
- Fall 2013/Spring 2014 *Teaching Assistant*, Archaeological Science, Department of Geography, University of North Texas

INTERNAL GRANTS AND FELLOWSHIPS

- 2016 UNM, *GPSA New Mexico Research Grant*, \$3,000
UNM, *GPSA Professional Development Grant*, \$500
- 2015 UNM, *GPSA Student Research Grant*, \$500
UNM, *Lewis R. Binford Graduate Fellowship*, \$31,000
UNT, *Toulouse Graduate School Travel Grant*, \$600
UNT, *College of Arts and Sciences Travel Grant*, \$400

2014 UNT, *Thesis / Dissertation Fellowship*, \$26,000
2013 UNT, *Tuition Grant*, \$1,000
2012 UNT, *Undergraduate Research Fellowship*, \$3,000

PEER-REVIEWED PUBLICATIONS

Dombrosky, J., E. L. Jones, C. Conrad, L. P. Barcelo, T. F. Turner, S. D. Newsome

In prep Protohistoric Carbon Flow in the Middle Rio Grande Region of New Mexico. To be submitted to *BioScience*.

Jones, E. L., **J. Dombrosky**, L. Steele

In prep Subsistence and Persistence at Isleta Mission Convento. To be submitted to *International Journal of Historical Archaeology*.

Barker, A., **J. Dombrosky**, B. Venables, and S. Wolverton.

In revision Taphonomy and Negative Results: An Integrated Approach to Ceramic-Bound Protein Residue Analysis. *Journal of Archaeological Science*.

Jones, E. L., **J. Dombrosky**, C. Ainsworth.

In press New Directions in Southwestern Zooarchaeology. *Kiva*.

Wolverton, S., **J. Dombrosky**, and R. Lee Lyman

2016 Practical Significance: Ordinal Scale Data and Effect Size in Zooarchaeology. *International Journal of Osteoarchaeology* 26:255–265. DOI:10.1002/oa.2416.

Dombrosky, J., S. Wolverton, and L. Nagaoka

2016 Archaeological Data Suggest Broader Early Historic Distribution for Blue Sucker (*Cycleptus elongatus*, Actinopterygii, Catostomidae) in New Mexico. *Hydrobiologia* 771:255–263. DOI:10.1007/s10750-015-2639-9.

Barker, A., **J. Dombrosky**, D. Chaput, B. Venables, S. Wolverton, and S. Stevens

2015 Validation of a Non-Targeted LC-MS Approach for Identifying Ancient Proteins: Method Development on Bone to Improve Artifact Residue Analysis. *Ethnobiology Letters* 6:162–174. DOI:10.14237/ebl.6.1.2015.294.

Dombrosky, J. and S. Wolverton

2014 TNR and Conservation on a University Campus: A Political Ecological Perspective. *PeerJ* 2:e312. DOI:10.7717/peerj.312.

BOOK CHAPTERS

Wolverton, S., A. Barker, and **J. Dombrosky**

2016 Paleoethnobiology. In *Introduction to Ethnobiology*, edited by U. P. Albuquerque and R. R. Nóbrega Alves, pp. 25–32. Springer, New York, NY. ISBN: 978-3-319-28153-7, DOI: 10.1007/978-3-319-28155-1.

Wolverton, S., **J. Dombrosky**, and A. Barker

2014 Paleoethnobiologia. In *Introdução à Etnobiologia*, edited by U. P. Albuquerque. NUPEEA, Recife, Brazil.

REPORTS

Dombrosky, J., A. Gillreath-Brown, L. Ellyson, S. Wolverton.

In prep Faunal Remains. In *Goodman Point Community Testing*, edited by K. Kuckelman. Crow Canyon Archaeological Center, Cortez, CO.

Barker, A., **J. Dombrosky**, A. Eddins, B. Venables, and S. Wolverton

2014 Residue Analyses of Artifacts from the Dillard Site, Southwestern Colorado. Submitted to Crow Canyon Archaeological Center, Cortez, CO.

BOOK REVIEWS

2017 Review of *Zooarchaeology and Field Ecology: A Photographic Atlas* by Jack M. Broughton and Shawn D. Miller. *Journal of California and Great Basin Anthropology* 37(1):105–106.

2016 Review of *Applied Zooarchaeology: Five Case Studies* by Steve Wolverton, Lisa Nagaoka, and Torben C. Rick. *Ethnobiology Letters* 7(1):104–105. DOI:10.14237/ebl.7.2.2016.832

Review of *Rivers, Fish, and the People: Tradition, Science, and Historical Ecology of Fisheries in the American West* edited by Pei-Lin Yu. *Ethnobiology Letters* 7(1):38–41. DOI:10.14237/ebl.7.1.2016.641.

2014 Review of *Winds from the North: Tewa Origins and Historical Anthropology* by Scott G. Ortman. *Ethnobiology Letters* 5:132–134. DOI:10.14237/ebl.5.2014.278.

CONFERENCE PRESENTATIONS

2018 **Dombrosky, J.**, E. L. Jones, M. LaZar, S. D. Newsome. “Instruments of Captivity: Exploring the Relationship between Raptor Management and Whistle/Flute Production in Pueblo IV New Mexico.” Poster to be presented at the 16th Biennial Southwest Symposium from January 5–7 in Denver, CO.

2017 **Dombrosky, J.**, E. L. Jones, S. D. Newsome. “Raptor Management and Whistle/Flute Production in Pueblo IV New Mexico.” Paper presented at the 82nd Annual Society for American Archaeology (SAA) Conference on April 1st in Vancouver, Canada.

Steele, L., E. L. Jones, and **J. Dombrosky**. “Rebound, Stress, Persistence, or Subsistence? The Pre-Pueblo Revolt Fauna from Isleta Mission Convento.” Paper presented at the 82nd Annual Society for American Archaeology (SAA) Conference on April 1st in Vancouver, Canada.

Dombrosky, J. “Searching for Correspondence between Commensal Politics and Political Organization in the Terminal Pueblo III Mesa Verde World.” Paper presented at the biennial Big Meeting at Crow Canyon (Big MACC) on March 3, 2017 in Cortez, CO.

2016 **Dombrosky, J.**, E. L. Jones, C. Conrad, and L. P. Barceló. “Historical Ecology of the Middle Rio Grande: Results from the Isleta Mission Convento Ichthyofauna and Future Applications.” Poster presented at the Pecos Conference on August 6th in Alpine, AZ.

Dombrosky, J., E. L. Jones, C. Conrad, and L. P. Barceló. “Historical Ecology of the Middle Rio Grande: Results from the Isleta Mission Convento Ichthyofauna and Future Applications.” Poster presented at the American Quaternary Association’s (AMQUA) 24th biennial meeting on June 29th in Santa Fe, NM.

Dombrosky, J. and E. L. Jones. “Stable Isotope Analysis and the Changing Rio: Results from the Isleta Mission Convento Ichthyofauna and Future Applications.” Paper presented at

the 2016 Geography, Anthropology, Biology Research Activities Forum (GABRAF) on May 16th in Denton, TX.

Dombrosky, J. "Zooarchaeological Data Suggest Broader Early Historic Distribution for Blue Sucker (*Cycleptus elongatus*) in New Mexico." Paper presented at the 39th Annual Society of Ethnobiology Conference on March 18th in Tucson, AZ.

Jones, E. L., C. Conrad, L. P. Barceló, **J. Dombrosky**, and S. Newsome "The Changing Rio: Insights from the Seventeenth Century Ichthyofauna of Isleta Mission Convento (LA 724)." Paper presented at the 2016 Stable Isotopes in Zooarchaeology Working Group Meeting on March 3rd in Athens, GA.

2015 **Dombrosky, J.**, A. Barker, A. Eddins, S. Wolverton, and B. Venables. "Characterizing Weathered Protein Residues from an Intra-Annual Cooking Experiment: A Mass Spectrometry Approach." Poster presented at the 80th Annual Society of American Archaeology (SAA) Conference on April 16th in San Francisco, CA.

Barker, A., **J. Dombrosky**, A. Eddins, K. Schleher, and B. Venables. "Taphonomy and Negative Results: An Integrated Approach to Residue Analysis." Poster presented at the 80th Annual Society for American Archaeology (SAA) Conference on April 16th in San Francisco, CA.

Wolverton, S., A. Barker, **J. Dombrosky**, B. Venables, and S. Stevens. "Application of Protein Mass Spectrometry to Zooarchaeological Bone." Poster presented at the 80th Annual Society for American Archaeology (SAA) Conference on April 17th in San Francisco, CA.

2014 **Dombrosky, J.**, L. Nagaoka, and S. Wolverton. "Patches and Pulls: Assessing the Role of Large Game in the Mesa Verde/Northern Rio Grande Migration (ca. AD 1300)." Paper presented at the 12th International Conference of Archaeozoology (ICAZ) on September 27th in San Rafael, Argentina.

Dombrosky, J. "Region as Patch: Assessment of Foraging Efficiency in Mesa Verde and the Northern Rio Grande (ca. AD 1300)." Paper presented at the 2014 Geography, Anthropology, Biology Research Activities Forum (GABRAF) on May 19th in Denton, TX.

Dombrosky, J., L. Nagaoka, and S. Wolverton. "Large Game Abundance and Source-Sink Dynamics in the Northern Rio Grande and Mesa Verde regions ca. AD 1300." Poster presented at the 37th Annual Society of Ethnobiology Conference on May 14th in Cherokee, NC.

Barker, A., **J. Dombrosky**, D. Chaput, S. Wolverton, B. Venables, and S. M. Stevens, Jr. "Blood from Bones: Protein Residues from Zooarchaeological Remains at Goodman Point Pueblo." Poster presented at the 37th Annual Society of Ethnobiology Conference on May 14th in Cherokee, NC.

Dombrosky, J., L. Nagaoka, and S. Wolverton. "Abundance of Large Game and Source-Sink Dynamics in the Northern Rio Grande and Mesa Verde at AD 1300." Poster presented at the 79th Annual Society of American Archaeology (SAA) Conference on April 24th in Austin, TX.

2013 **Dombrosky, J.** and S. Wolverton. "The Political Ecology of Free-Ranging Cats: Pet Ownership and Wildlife Conservation." Poster presented at the 2013 Southwestern Association of American Geographers (SWAAG) Conference on October 25th in Nacogdoches, TX.

- Dombrosky, J.** "Animal Resource Abundance in the Mesa Verde and Northern Rio Grande Regions during Late Prehistory." Paper presented at the 2013 Geography, Anthropology, Biology Research Activities Forum (GABRAF) on July 18th in Denton, TX.
- 2012 **Dombrosky, J.** "Notes on the Reality of Archaeological Data: Two Zooarchaeological Case Studies from the Northern Rio Grande Region of New Mexico." Paper presented at UNT Scholar's Day on April 19th in Denton, TX.
- Dombrosky, J.** "Student Perception of Feral Cats and Their Effects on Campus Wildlife." Paper presented at the 35th Annual Society of Ethnobiology Conference on April 13th in Denver, CO.

INVITED LECTURES

- 2017 **Dombrosky, J.** "Introduction to Zooarchaeology." June 8th, Lab session given to Crow Canyon Archaeological Center College Field School, Cortez, CO.
- 2016 **Dombrosky, J.** "Avoiding Fish Aversion." September 28th, Zooarchaeology (ANTH 373/573), UNM course taught by Dr. Emily Jones, Albuquerque, NM.
- Dombrosky, J.** "Zooarchaeological Data Suggest Broader Early Historic Distribution for Blue Sucker (*Cycleptus elongatus*) in New Mexico" June 30th, Four Corners Lecture Series, Cortez, CO.
- Dombrosky, J.** "Introduction to Zooarchaeology." June 16th, Lecture given to Crow Canyon Archaeological Center College Field School, Cortez, CO.
- Dombrosky, J.** "Take a Walk on the Applied Side: Three Zooarchaeological Case Studies from the American West." April 18th, World Archaeology (ANTH 220), UNM course taught by Dr. Lisa Fontes, Albuquerque, NM.
- Dombrosky, J.** "Avoiding Fish Aversion." October 12th, Zooarchaeology (ANTH 373/573), UNM course taught by Dr. Emily Lena Jones, Albuquerque, NM.
- 2012 **Dombrosky, J.** and A. Hoffman. "Applying Paleozoology" May 17th, Texas Master Naturalists, Denton, TX.

SYMPOSIA ORGANIZED

- 2016 Zooarchaeology in the American Southwest and Northwest Mexico: New Pathways and Future Directions (co-chair Emily Lena Jones). Society of Ethnobiology 39th Annual Conference, Tucson, AZ.
- 2013 Zooarchaeology (co-chair Amy Hoffman). Society of Ethnobiology 36th Annual Conference, Denton, TX.
- Paleoethnobiology: Humans and Environments in Time. Society of Ethnobiology 36th Annual Conference, Denton, TX.

FIELD EXPERIENCE

- 2017 *Temporary Field Archaeologist, Crow Canyon Archaeological Center, Cortez, CO.*
Assisted with supervising Crow Canyon's third college field school. Excavations were carried out through the Northern Chaco Outliers Project. I helped teach college students basic excavation and pedestrian survey techniques at the Haynie Site (5MT1905).

- 2016 *Temporary Field Archaeologist, Crow Canyon Archaeological Center. Cortez, CO.*
Assisted with supervising Crow Canyon's second college field school. Excavations were conducted through the Basketmaker Communities Project at the Hatch group (see below) and at 5MT10631 (Mueller Little House)—a site that mainly consists of a medium-sized pithouse occupied around the mid to late AD 600s. I helped initiate the Northern Chacoan Outliers Project through remote sensing and mapping of the Haynie Site (5MT1905) with the college field school, and taught field school students pedestrian survey techniques in Alkali Canyon. Further, I intermittently taught lay participants basic excavation techniques.
- 2015 *Field Intern, Crow Canyon Archaeological Center. Cortez, CO.*
Assisted with the Basketmaker Communities Project through excavation of the Hatch group, which consists of 5MT10687 (Sagebrush House), 5MT10686 (the Badger Den site), 5MT2037 (the Pasquin site), 5MT10684 (the Dry Ridge site), 5MT3875 (the Shepherd site), and Site 5MT10709 (no name assigned). These are multicomponent sites that date from the Basketmaker III (AD 500–750) and Pueblo II (AD 900–1150) periods. Further, I supervised lay participants in basic excavation techniques who ranged from middle school-aged students to adults.
- 2011 *Student, San Juan College Archaeological Field School. Farmington, NM.*
Excavation of the Point Site (LA 8619), a Chacoan outlier occupied from the Basketmaker III through Pueblo III time periods (AD 500–1280), through the Totah Archaeological Project (TAP). Learned basic field techniques through excavation of room blocks, middens, and a Great Kiva.

LAB EXPERIENCE

- Present *Faunal Analyst, Hummingbird Pueblo, LA 578*
Analysis of an archaeofaunal assemblage from the middle Rio Grande region of New Mexico. Occupied from around AD 1275 to 1450. The assemblage includes complete identification of well-preserved mammalian, avian, and fish remains.
- 2016 *Faunal Analyst, Isleta Mission Convento, LA 724*
Analysis of ichthyofaunal assemblage from the middle Rio Grande region of New Mexico. Occupied ca. AD 1680. Identification of well-preserved fish remains for further isotopic analysis.
- 2015 *Faunal Analyst, Monsoon House, 5MT16808*
Analysis of an archaeofaunal assemblage from the central Mesa Verde region of Colorado. Occupied around AD 900 to 1280. The assemblage included complete identification of well-preserved mammalian and avian remains.
- 2014 *Faunal Analyst, Ponsipa'akeri, LA 297*
Analysis of an archaeofaunal assemblage from the northern Rio Grande region of New Mexico. Occupied from approximately AD 1300 to 1600. Assemblage includes complete identification of well-preserved mammalian, avian, and fish remains.
Laboratory Technician, UNT Environmental Chemistry Lab
Supervisors: Dr. Steve Wolverton and Dr. Barney Venables
Applying proteomics-based research techniques to archaeological residue analysis.
- 2013 *Laboratory Technician, UNT Conservation Genetics Lab*
Supervisor: Dr. Jeff Johnson

Extraction, amplification, and sequencing of DNA from Attwater's Prairie Chicken (*Tympanuchus cupido attwateri*) to help better manage endangered populations

Laboratory Technician, UNT Environmental Chemistry Lab

Supervisors: Dr. Steve Wolverton and Dr. Barney Venables

Applying proteomics-based research techniques to archaeological residue analysis.

2012

Faunal Analyst, Poverty Point, 16WC5

Analysis of archaeofaunal assemblages from many past excavations. Included complete identification of mammalian, avian, reptilian, and fish remains. Included small specimens and large specimens excavated and dredged from surrounding area.

Laboratory Technician, UNT Environmental Chemistry Lab

Supervisors: Dr. Steve Wolverton and Dr. Barney Venables

Applying proteomics-based research techniques to archaeological residue analysis.

JOURNALS SERVED

Special Guest Coeditor, Kiva (ISSN 0023-1940)

Ad hoc reviewer, Animals (ISSN 2076-2615)

Ad hoc reviewer, Journal of Ethnobiology (ISSN 2162-4496)

HONORS AND AWARDS

2016 *Recipient*, Broilo-Basehart prize, UNM, \$300

2015 *Recipient*, Outstanding Graduate Student in Geography, UNT

2012 *Recipient*, Society of Ethnobiology's Undergraduate Ethnobiologist Award

Recipient, Academic Achievement Award in Anthropology, UNT

Recipient, David B. Kesterson Award for Outstanding Honors College Student, UNT

Scholarship, UNT Scholarship (2012–2013 Academic Year)

President's List, University of North Texas, Fall Semester

2011 *Recipient*, Academic Achievement Award in Anthropology, UNT

Scholarship, Brownlee-Moore Scholarship (2011–2012 Academic Year)

Member, National Honors Society of Phi Kappa Phi

President's List, University of North Texas, Spring and Fall Semesters

2010 President's List, University of North Texas, Fall Semester

OTHER PROFESSIONAL EXPERIENCE

2016 *Volunteer*, American Quaternary Association 24th Biennial Meeting

2014 *Organizing Committee*, Geography, Anthropology, Biology Research Activities Forum (GABRAF)

Volunteer, Field Hand, UNT Quail, Denton, TX

2013 *Volunteer*, Society of Ethnobiology Conference, Denton, TX

2012 *Volunteer*, Faunal Analyst, Crow Canyon Archaeological Center, Cortez, CO

Grader/Tutor, Archaeological Science (ARCH 2800), University of North Texas

Tutor, Quantitative Methods (GEOG 3190), University of North Texas

2011 *Volunteer*, Plano Archaeology Fair Sponsored by Geo-Marine Inc., Plano, TX