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RESEARCH INTERESTS	Archaeometric methods & applications; Paleoindian archaeology; Contact period archaeology Eastern North America; Geospatial applications; Big data in archaeology
EDUCATION	Ph.D., Anthropology 2015 University of Missouri, Columbia, MO <i>Phylogenetic and Morphometric Analyses of Eastern Fluted-Point Forms</i> M.A., Anthropology 2009 University of Missouri, Columbia, MO <i>Pottery Production at Fort Hill (27CH85) A Seventeenth-Century Refugee Community in Northern New England</i> Graduate Certificate, Geographic Information Science 2009 University of Missouri, Columbia, MO <i>Landscape Ecology and Spatial Analysis</i> B.A., Anthropology 1999 Luther College, Decorah, IA
EMPLOYMENT	Department of Anthropology, Southern Methodist University Director, <i>Archaeology Research Collections (ARC)</i> 2022–Present Research Assistant Professor 2022–Present Senior Lecturer 2022–Present Lecturer 2016–2022 Archaeometry Laboratory, University of Missouri Research Reactor Senior Research Specialist 2011–2015 Research Specialist 2008–2011 Senior Research Laboratory Technician 2006–2008 Research Laboratory Technician 2005–2006 Archaeology Consulting Team, Essex Junction, VT Project Archaeologist 2002–2005 Staff Archaeologist 2000–2002 Bear Creek Archaeology, Cresco, IA Staff Archaeologist 1998
RESEARCH AFFILIATIONS	Paleoindian Database of the Americas Research Associate 2014–Present Archaeometry Laboratory, University of Missouri Research Reactor Research Associate 2015–2022 Department of Anthropology, University of Missouri Adjunct Researcher 2015–2016

AWARDS

Research Grants

1. Institute for the Study of Earth and Man 2022
Salvage of digital radiocarbon records [\$2500]
2. Institute for the Study of Earth and Man 2021–2022
Digitization of the records of the SMU Radiocarbon Laboratory [\$7680]
3. Hamilton Undergraduate Research Scholars Program, SMU 2021–2022
Support for 3 undergraduate student researchers [\$9600]
4. National Science Foundation 2014–2017
Support for the Archaeometry Laboratory at MURR [\$231,817]
NSF1415403 Co-PI with J. Ferguson and M.D. Glascock
5. Jacob L. Grimm ¹⁴C Award, Society for Pennsylvania Archaeology 2014
AMS dating of *Mammuth americanum* remains [\$300]
6. Archaeological Society of New Jersey Research Grant 2014
AMS dating of *Cervalces scotti* remains [\$575]
7. Lyent Russell Award, Archaeological Society of Connecticut 2013
AMS dating of *Mammuth americanum* remains [\$600]
8. Friends of the Office of State Archaeology Radiocarbon Award 2013
AMS dating of the Farmington/Pope mastodon (*Mammuth americanum*) [\$600]
9. W. Raymond Wood Opportunities for Excellence in Archaeology 2013
AMS dating of *Cervalces scotti* specimen from New Jersey [\$525]
10. Digital Antiquity 2011
Digitization and dissemination of the Lawrence Berkeley
National Laboratory archaeometric and archaeological database [\$10,000]
11. W. Raymond Wood Opportunities for Excellence in Archaeology 2008
Preparation of ceramic thin sections [\$500]

Research Awards

1. *Honorable Mention*, R.E. Taylor Student Poster Competition 2008
Society for Archaeological Sciences. Annual Meeting of the Society for American
Archaeology (with C. Rosania and M.D. Glascock)
2. *Honorable Mention*, R.E. Taylor Student Poster Competition, 2008
Society for Archaeological Sciences. 37th International Symposium on Archaeometry
(with C. Rosania and M.D. Glascock)

Teaching Grants

1. Center for Teaching Excellence, SMU 2023
Just-in-Time Teaching and Technology Grant [\$500]
2. Center for Teaching Excellence, SMU 2021
Just-in-Time Teaching and Technology Grant [\$500]

Teaching Awards

1. Students for New Learning, SMU 2018
“Extra Mile Award.” In recognition of excellent teaching and support of those
who learn differently.

2023

1. **Boulanger, M.T.**, M. Adler, J.L. Boyer, and M. Henderson. “‘*Our work will continue*’: Geochemical sourcing by XRF of obsidian in the collections of Helen Greene Blumenschein.” *Kiva* 89(1):51–77.
2. Eren, M.I., F. Diez-Martin, A. Tarriño, H. Smith, B. Buchanan, G.L. Miller, **M.T. Boulanger**, M. King, and S. Slobodin. “Toolstone characterization, description, morphometrics, and microwear of the lithic assemblage from Uptar, Magadan Oblast, Northeastern Siberia, Russia.” *Archaeological Research in Asia*, In Press.
3. Kitchel, N.R., B.L. MacDonald, **M.T. Boulanger**, and H.M. Rockwell. “Preliminary results on the applicability of neutron activation analysis (NAA) to identify cherts from the Munsungan Lake Formation, Maine, USA.” *Geoarchaeology*, In Press.
4. Mukusha, L., G.L. Miller, B. Buchanan, **M.T. Boulanger**, R. Marvin, R. Kunst, M. Bebbler, and M.I. Eren. “Clovis and possible-Clovis artifacts from the Wyandot County and Portage County Historical Societies, Ohio.” *Northeast Anthropology*, In Press.

2022

5. **Boulanger, M.T.**, M. Adler, E. Sommer, and I. Jorgeson. “Dynamics of obsidian procurement at Pot Creek Pueblo (LA 260), northern New Mexico.” *Archaeological and Anthropological Sciences* 14(7), 2022.
6. **Boulanger, M.T.**, D. Mielke, R. Mielke, B. Buchanan, G.L. Miller, B. Christy, M. Bebbler, D. Meltzer, and M.I. Eren. “Geochemical sourcing, technological descriptions, artifact morphometrics, and microwear of the Mielke Clovis site (33SH26), western Ohio, U.S.A.” *Midcontinental Journal of Archaeology*, 47(1): 69–102, 2022.
7. Burger, R.L., E. Tsurumi, **M.T. Boulanger**, K. Rademaker, and M.D. Glascock. “Sayrosa, a minor obsidian source in the Puna of Arequipa.” *Ñawpa Pacha* 42(2): 185–204, 2022.
8. Kelly, R.L., M.E. Mackie, E. Robinson, J. Meyer, M. Berry, **M.T. Boulanger**, J. Freeman, C.J. Garland, J. Gingerich, R. Hard, J. Haug, A. Martindale, S. Meeks, M. Miller, S. Miller, T. Perttula, J. Railey, K. Reid, I. Fraser-Shapiro, J. Spangler, D.H. Thomas, V. Thompson, and A. White. “A new radiocarbon database for the lower 48 states.” *American Antiquity* 87(3):581–590, 2022.

2021

9. **Boulanger, M.T.**, G.L. Miller, and P. Fisher. “A collection of early Holocene flaked-stone crescents from the northern Great Basin.” *Journal of Archaeological Science: Reports*, 37, 103005, 2021.
10. **Boulanger, M.T.**, R.J. Patten, B.N. Andrews, M.R. Bebbler, B. Buchanan, I. Jorgeson, G.L. Miller, M.I. Eren, and D.J. Meltzer. “Antelope Springs: A Folsom site in South Park, Colorado.” *PaleoAmerica* 7(2): 114–132, 2021.
11. Eren, M.I., M.R. Bebbler, A. Mika, K. Flood, L. Maguire, J.D. Norris, A. Perrone, D. Mullen, S. Centea, C. Centea, B. Christy, R. Daud, J. Jackson, R. Patten, B.G. Redmond, B. Buchanan, R. Haythorn, G.L. Miller, M. Conaway, R. Gürbüz, S. Lycett, D.J. Kilby, B.N. Andrews, B. MacDonald, **M.T. Boulanger**, and D.

Meltzer. “The Nelson stone tool cache, north-central Ohio, U.S.A.: assessing its cultural affiliation.” *Journal of Archaeological Science: Reports*, 37, 102972, 2021.

12. Eren, M.I., F. Diez-Martin, G.L. Miller, B. Buchanan, **M.T. Boulanger**, A. Rutkoski, J.D. Norris, R. Haythorn, J. Bush, C.O. Lovejoy, and M.R. Bebbler. “Current evidence supports Welling as an outcrop-related base camp.” *American Antiquity* 86(4): 867–870, 2021.

2020

13. **Boulanger, M.T.** “Mexican obsidian on Maui: Hawaiian connection, harmonic convergence, or hokum?” *Journal of Archaeological Science: Reports*, 34(B): 102662, 2020.
14. De Lucia, K., **M.T. Boulanger**, and M.D. Glascock. “Small-scale household ceramic production: neutron activation analysis of plain and decorated ceramics from pre-Aztec Xaltocan, Mexico.” *Ancient Mesoamerica* 32(2): 316–334, 2020.
15. Perrone, A., M.R. Bebbler, **M.T. Boulanger**, B. Buchanan, G.L. Miller, B. Redmond, and M.I. Eren. “Description, geometric morphometrics, and microwear of five Clovis fluted projectile points from Lucas and Wood Counties, northwest Ohio, U.S.A.” *Journal of Paleolithic Archaeology* 3: 1034–1047, 2020.

2019

16. Eren, M.I., G.L. Miller, B. Buchanan, **M.T. Boulanger**, M.R. Bebbler, B.G. Redmond, C. Stephens, L. Coates, P. Boser, P. Barans, G. Summers, R. Nilsson, M. Williams, M. Troyer, S. Kish, J. Grimm, J. Schwarze, D. Deyling, B. Sponseller, C. Barnes, M. Saibern, and M. Slicker. “The Black Diamond Site, northeast Ohio: a new Clovis occupation in a proposed secondary staging area.” *Journal of Paleolithic Archaeology* 2: 211–233, 2019.
17. Miller, G.L., M.R. Bebbler, A. Rutkoski, R. Haythorn, **M.T. Boulanger**, B. Buchanan, J. Bush, C.O. Lovejoy, and M.I. Eren. “Hunter-gatherer gatherings: stone-tool microwear from the Welling Site (33-Co-2), Ohio, U.S.A. supports Clovis use of outcrop-related base camps during the Pleistocene Peopling of the Americas.” *World Archaeology* 51: 47–51, 2019.
18. Murakami, T., **M.T. Boulanger**, and M.D. Glascock. “Petrographic and XRF analysis of andesitic cut stone blocks at Teotihuacan, Mexico: Implications for the organization of urban construction.” *Archaeological and Anthropological Sciences* 11: 1491–1518, 2019.
19. Williams, J., D. Simone, B. Buchanan, **M.T. Boulanger**, M.R. Bebbler, and M.I. Eren. “A nine-thousand-year record of continuous optimal toolstone selection through the North American Holocene.” *Antiquity* 93: 313–324, 2019.

2018

20. Breslawski, R.P., B.L. Etter, I. Jorgeson, and **M.T. Boulanger** “The atlatl to bow transition: what can we learn from modern recreational competitions?” *Lithic Technology* 43: 26–37, 2018.
21. Eren, M.I., M.R. Bebbler, G.L. Miller, B. Buchanan, **M.T. Boulanger**, and R.J. Patten. “Description, morphometrics, and microwear of Late Pleistocene–Early Holocene artifacts from southwestern Kentucky, U.S.A.” *Journal of Archaeological Science: Reports* 20: 516–523, 2018.
22. Maguire, L., B. Buchanan, **M.T. Boulanger**, B.G. Redmond, and M.I. Eren. “On the Late Paleoindian temporal assignment for the Honey Run Site (33-Co-3), Coshocton County, Ohio: a morphometric assessment of flaked stone stemmed

lanceolate projectile points.” *Journal of Archaeological Science: Reports* 20: 588–595, 2018.

2017

23. Bebber, M.R., G.L. Miller, **M.T. Boulanger**, B.N. Andrews, B.G. Redmond, D. Jackson, and M.I. Eren. “Description and microwear analysis of Clovis artifacts on a glacially deposited secondary chert source near the Hartley Mastodon discovery, Columbiana County, northeastern Ohio, U.S.A.” *Journal of Archaeological Science: Reports* 12: 543–552, 2017.
24. **Boulanger, M.T.**, G.D. Lattanzi, C.C. Roush, and M.D. Glascock. “Geochemical analysis of mica source specimens and artifacts from the Abbott Farm National Historic Landmark (28-ME-1).” *American Antiquity* 82(2): 374–396, 2017.
25. Werner, A., K. Jones, G.L. Miller, B. Buchanan, **M.T. Boulanger**, A.K.M. Key, C. Reedy, M.R. Bebber, and M.I. Eren. “The morphometrics and microwear of a small Clovis assemblage from Guernsey County, southeastern Ohio, U.S.A.” *Journal of Archaeological Science: Reports* 15: 318–329, 2017.

2016

26. Anderson, S.L., **M.T. Boulanger**, M.D. Glascock, and R.B. Perkins. “Geochemical investigations of late pre-contact ceramic production patterns in Northwest Alaska.” *Journal of Archaeological Science: Reports* 6: 200–210, 2016.
27. Eren, M.I., A. Chao, C.H. Chiu, R.K. Colwell, B. Buchanan, **M.T. Boulanger**, J. Darwent, and M.J. O’Brien. “Statistical analysis of paradigmatic class richness supports greater Paleoindian projectile-point diversity in the Southeast.” *American Antiquity* 81(1): 174–192, 2016.
28. Eren, M.I., B.G. Redmond, G.L. Miller, B. Buchanan, **M.T. Boulanger**, A. Hall, and L. Hall. “The Wauseon Clovis fluted point preform, Northwest Ohio, U.S.A.: observations, geometric morphometrics, microwear, and toolstone procurement distance”. *Journal of Archaeological Science: Reports* 10: 147–154, 2016.
29. Karacic, S., **M.T. Boulanger**, and M.D. Glascock. “Geochemical analysis of the Hittite-period pottery from Tarsus-Gözlükule, Turkey.” *Archaeometry* 58(S1): 23–38, 2016.
30. O’Brien, M.J., **M.T. Boulanger**, B. Buchanan, R.A. Bentley, R.L. Lyman, C.P. Lipo, M.E. Madsen, and M.I. Eren. “Design space and cultural transmission: Case studies from Paleoindian eastern North America.” *Journal of Archaeological Method and Theory* 23(2): 692–740, 2016.
31. Perreault, C., **M.T. Boulanger**, A.M. Hudson, D. Rhode, D.B. Madsen, J.W. Olsen, M.L. Steffen, J. Quade, M.D. Glascock, and P.J. Brantingham. “Characterization of obsidian from the Tibetan Plateau by XRF and NAA.” *Journal of Archaeological Science Reports* 5: 392–399, 2016.

2015

32. **Boulanger, M.T.**, B. Buchanan, M.J. O’Brien, B.G. Redmond, M.D. Glascock, and M.I. Eren. “Neutron activation analysis of 12,900-year-old stone artifacts confirms 450–510+ km Clovis tool-stone acquisition at Paleo Crossing (33ME274), northeast Ohio, U.S.A.” *Journal of Archaeological Science* 53: 550–558, 2015.
33. **Boulanger, M.T.** and M.I. Eren. “On the inferred age and origin of lithic bi-points from the Eastern Seaboard and their relevance to the Pleistocene peopling of North America.” *American Antiquity* 80(1): 134–145, 2015.

34. **Boulanger, M.T.** and M.D. Glascock. “Elemental variation in prehistoric *Unionoida* shell: implications for ceramic provenance.” *Journal of Archaeological Science: Reports* 1: 2–7, 2015.
35. **Boulanger, M.T.** and D.V. Hill. “Petrographic analysis of Contact Period Native American pottery from Fort Hill (27CH85), Hinsdale, New Hampshire, USA.” *Archaeological and Anthropological Sciences* 7(4): 517–532, 2015.
36. **Boulanger, M.T.**, G.D. Lattanzi, D.C. Parris, M.J. O’Brien, and R.L. Lyman. “AMS radiocarbon dates for Pleistocene fauna from the American Northeast.” *Radiocarbon* 57(1): 189–192, 2015.
37. Buchanan, B., M.I. Eren, **M.T. Boulanger**, and M.J. O’Brien. “Size, shape, scars, and spatial patterning: A quantitative assessment of late Pleistocene (Clovis) point resharpening.” *Journal of Archaeological Science: Reports*, 3: 11–21, 2015.
38. Eren, M.I., **M.T. Boulanger**, and M.J. O’Brien. “The *Cinmar* discovery and the proposed pre-Late Glacial Maximum occupation of North America.” *Journal of Archaeological Science: Reports*, 2: 708–713, 2015.

2014

39. **Boulanger, M.T.** and R.L. Lyman. “Northeastern North American Pleistocene megafauna chronologically overlapped minimally with Paleoindians.” *Quaternary Science Reviews* 85(1): 35–46, 2014.
40. Lyman, R.L., **M.T. Boulanger**, and D.N. Schmitt. “Stone rings in the Umatilla National Forest, southeastern Washington.” *Journal of Northwest Anthropology* 48(2): 159–187, 2014.
41. O’Brien, M.J., **M.T. Boulanger**, B. Buchanan, M. Collard, R.L. Lyman, and J. Darwent. “Innovation and cultural transmission in the American Paleolithic: phylogenetic analysis of eastern Paleoindian projectile-point classes.” *Journal of Anthropological Archaeology* 34: 100–119, 2014.
42. O’Brien, M.J., **M.T. Boulanger**, M. Collard, B. Buchanan, L. Tarle, L.G. Straus, and M.I. Eren. “On thin ice: problems with Stanford and Bradley’s proposed Solutrean colonisation of North America.” *Antiquity* 88(340): 606–613, 2014.
43. O’Brien, M.J., **M.T. Boulanger**, M. Collard, B. Buchanan, L. Tarle, L.G. Straus, and M.I. Eren. “Solutreanism.” *Antiquity* 88(340): 622–624, 2014.

2013

44. **Boulanger, M.T.**, S.S. Fehrenbach, and M.D. Glascock. “Experimental evaluation of sample-extraction methods and the potential for contamination in ceramic specimens.” *Archaeometry* 55(5): 880–892, 2013.
45. O’Brien, M.J., M. Collard, B. Buchanan, and **M.T. Boulanger**. “Trees, thickets, or something in between? Recent theoretical and empirical work in cultural phylogeny.” *Israel Journal of Ecology & Evolution* 59(2): 45–61, 2013.

2012

46. **Boulanger, M.T.**, R.S. Davis, and M.D. Glascock. “Preliminary characterization and regional comparison of the *Dasht-i-Nawur* obsidian source near Ghazni, Afghanistan.” *Journal of Archaeological Science* 39(7): 2320–2328, 2012.
47. **Boulanger, M.T.** and C.M. Hudson. “Assessment of the gripability of textured ceramic surfaces.” *American Antiquity* 77(2): 293–302, 2012.

48. Lyman, R.L., C.N. Rosania, and **M.T. Boulanger** “Comparison of fluoride and direct AMS radiocarbon dating of black bear bone from Lawson Cave, Missouri.” *Journal of Field Archaeology* 37(3): 226–237, 2012.

2011

49. Anderson, S.L., **M.T. Boulanger**, and M.D. Glascock. “A New Perspective on Late Holocene Social Interaction in Northwest Alaska: Results of A Preliminary Ceramic Sourcing Study” *Journal of Archaeological Science* 38(5): 943–955, 2011.
50. Huckell, B.B., J.D. Kilby, **M.T. Boulanger**, and M.D. Glascock. “Sentinel Butte: neutron activation analysis of White River Group chert from a primary source and artifacts from a Clovis cache in North Dakota, USA.” *Journal of Archaeological Science* 38(5): 965–976, 2011.
51. Quigg, J.M., **M.T. Boulanger**, and M.D. Glascock. “Geochemical characterization of Tecovas and Alibates source samples.” *Plains Anthropologist* 56(219): 121–141, 2011.

2010

52. **Boulanger, M.T.**, M.D. Glascock, M.S. Shackley, C. Skinner, and J.J. Thatcher. “Likely source attribution for a possible Paleoindian obsidian tool from northwest Louisiana.” *Louisiana Archaeology* 37: 87–94, 2010
53. Wallis, N.J., **M.T. Boulanger**, J.R. Ferguson, and M.D. Glascock. “Woodland period ceramic provenance and the exchange of Swift Creek Complicated Stamped vessels in the southeastern United States.” *Journal of Archaeological Science* 37(10): 2598–2611, 2010.

2007

54. **Boulanger, M.T.**, T.R. Jamison, C. Skinner, and M.D. Glascock. “Analysis of an obsidian biface reportedly found in the Connecticut River valley of Vermont.” *Archaeology of Eastern North America* 35: 81–92, 2007.

2006

55. **Boulanger, M.T.**, R.J. Speakman, and M.D. Glascock. “Characterization of New England chert sources by neutron activation” *Transactions of the American Nuclear Society* 95: 477–478, 2006.

2005

56. **Boulanger, M.T.**, A.D. Hathaway, R.J. Speakman, and M.D. Glascock. “A preliminary study on the suitability of instrumental neutron activation analysis (INAA) for identifying Hathaway Formation chert from the northern Champlain Valley of Vermont.” *Archaeology of Eastern North America* 33: 105–126, 2005.

Books and Edited Volumes

2010

1. Calado, D., M.O. Baldia, and **M.T. Boulanger** (eds.). *Monumental Questions: Prehistoric Megaliths, Mounds, and Enclosures (Part I); Proceedings of the XV UISPP World Congress (Lisbon, 4–9 September 2006)*. Vols. 7–8. BAR International Series S2122. Archaeopress, Oxford, 2010.

2008

2. **Boulanger, M.T.** (ed.). Analytical applications in the archaeology of eastern North America: papers from a session at the 2007 Eastern States Archaeological Federation meeting, Burlington, Vermont. *North American Archaeologist*, 29(3–4), 2008.
3. Descantes, D., R.J. Speakman, M.D. Glascock, and **M.T. Boulanger** (eds.). An exploratory study into the chemical characterization of Caribbean ceramics. *Journal of Caribbean Archaeology*, Special Publication no. 2, 2008.

Book Chapters

2023

1. Yellin, J., **M.T. Boulanger**, and M.D. Glascock. “Provenience of LBA II pottery from the cultic repository of Tel Qashish.” In *Salvage Excavations at Tel Qashish (Tel Qasis) and Tell el-Wa’er (2010–2013)*, van den Brink, E.C.M. and Adams, M.J. (eds.), pp. 407–416. Jezreel Valley Regional Project Studies 1. Lockwood Press, Columbus, Georgia, 2023

2022

2. **Boulanger, M.T.**, R. Breslawski, and I. Jorgeson. “Quantifying evenness of Paleoindian projectile point forms within geographic regions of eastern North America.” In: *Defining and Measuring Diversity in Archaeology*, Eren, M.I. and Buchanan, B. (eds.), pp. 213–247. Berghahn Books, New York, 2022.

2019

3. Conlee, C.A., **M.T. Boulanger**, and M.D. Glascock. “1500 years of pottery production in the Nasca region of Peru: neutron activation analysis from the site of La Tiza.” In: *Ceramics of the Indigenous Peoples of South America: Studies of Production and Exchange using INAA*, Glascock, M.D., Neff, H., and Vaughn, K. (eds.), pp. 113–124. University of New Mexico Press, Albuquerque, 2019.
4. Correa, I., F. Gallardo, M. Uribe, E. Echenique, J. Blanco, S. Flewett, **M.T. Boulanger**, and M.D. Glascock. “Pottery from funerary mounds along the arid Atacama Desert coast, Chile: chemistry, circulation, and exchange between the inlands and coast during the Formative Period.” In: *Ceramics of the Indigenous Peoples of South America: Studies of Production and Exchange using INAA*, Glascock, M.D., Neff, H., and Vaughn, K. (eds.), pp. 147–160. University of New Mexico Press, Albuquerque, 2019.
5. Falabella, F., S. Alfaro, M.T. Planella, **M.T. Boulanger**, and M.D. Glascock. “Testing the social aggregation hypothesis for Llolleo communities in central Chile: style, pastes, and NAA of ceramic smoking pipes and drinking pots.” In: *Ceramics of the Indigenous Peoples of South America: Studies of Production and Exchange using INAA*, Glascock, M.D., Neff, H., and Vaughn, K. (eds.), pp. 173–190. University of New Mexico Press, Albuquerque, 2019.
6. Giesso, M., A.G. Laguens, S.R. Bertolino, **M.T. Boulanger**, and M.D. Glascock. “From the mountains to the Yungas: Provenience and distribution of ceramics in Ambato societies of the Andes of Argentina in the fifth century A.D.” In: *Ceramics of the Indigenous Peoples of South America: Studies of Production and Exchange using INAA*, Glascock, M.D., Neff, H., and Vaughn, K. (eds.), pp. 215–220. University of New Mexico Press, Albuquerque, 2019.

2018

7. Eren, M.I., B.G. Redmond, G.L. Miller, B. Buchanan, **M.T. Boulanger**, B. Morgan, and M.J. O'Brien. "Paleo Crossing (33ME274): a Clovis site in northeastern Ohio." In: *In the Eastern Fluted Point Tradition, Vol. 2*, Gingerich, J. (ed.), pp. 187–212. University of Utah Press, Salt Lake City, 2018.
8. Glascock, M.D. and **M.T. Boulanger**. "Análisis por activación Neutrónica". In: *Arqueometría: Estudios Analíticos des Materiales Arqueológicos*, Chapoulie, R., Sepulveda, M., del Solar Velarde, N., and Wright, V. (eds.), pp. 91–110. Instituto Frances d'Études Andines, Universidad de Tarapacá and Universite de Bordeaux-Montaigne, 2018.

2017

9. **Boulanger, M.T.** "Recycling data: Working with published and unpublished ceramic-compositional data." In: *The Oxford Handbook of Archaeological Ceramic Analysis*, Hunt, A. (ed.), pp. 73–84. Oxford University Press, Oxford, 2017.

2016

10. **Boulanger, M.T.** and M.D. Glascock. "Compositional Analysis of Two Ceramic Specimens." In: *Gleanings from the Caves: Dead Sea Scrolls and Artefacts from the Schøyen Collection*, Elgvin, T., Davis, K. and Langlois, M. (eds.), pp. 367–376. T&T Clark, London, 2016.
11. **Boulanger, M.T.** and M.D. Glascock. "Compositional analysis by neutron activation analysis (NAA) of six Iron Age ceramic architectural models." In: H. Katz, *Portable Shrine Models: Ancient Architectural Clay Models from the Levant*, pp. 62–74. BAR International Series 2791. British Archaeological Reports, Oxford, 2016.

2015

12. O'Brien, M.J., B. Buchanan, **M.T. Boulanger**, A. Mesoudi, M. Collard, R.A. Bentley, and R.L. Lyman. "Transmission of cultural variants in the North American Paleolithic." In: *Learning Strategies and Cultural Evolution during the Paleolithic*, Aoki, K. and Mesoudi, A. (eds.), pp. 121–143. Springer: New York, 2015.
13. O'Brien, M.J., **M.T. Boulanger**, R.L. Lyman, and B. Buchanan. "Phylogenetic Systematics." In: *Mathematics and Archaeology*, Barceló, J.A. and Bogdanovic, I. (eds.), pp. 232–246. CRC Press, Boca Raton, Florida, 2015.

2014

14. **Boulanger, M.T.**, M.D. Glascock, M.S. Shackley, C. Skinner, and J.J. Thatcher. "Likely source attribution for a possible Paleoindian obsidian tool from northwest Louisiana." In: *Twenty-Five Years on the Cutting Edge of Obsidian Studies: Selected Readings from the IAOS Bulletin*, Dillian, C.D. (ed.), pp 127–132. International Association for Obsidian Studies, 2014.

2013

15. **Boulanger, M.T.** "Cultural geography in the context of climatic and environmental change in the late Neolithic and Eneolithic of the Morava Valley." In: *Comparative Archaeology and Paleoclimatology: Socio-Culutral Responses to a Changing World*, Baldia, M.O., Perttula, T.K., and Frink, D.S. (eds.), pp. 241–252. BAR International Series 2456. Archaeopress, Oxford, 2013.

2012

16. O'Brien, M.J., B. Buchanan, M. Collard, and **M.T. Boulanger**. "Cultural cladistics and the early prehistory of North America." In: *Evolutionary Biology: Mechanisms and Trends*, Pontarotti, P. (ed.), pp. 23–42. Springer-Verlag, Berlin, 2012.

2010

17. **Boulanger, M.T.** and M.D. Glascock. "Archaeometric analyses of pottery from TRB barrows and hilltop enclosures." In: *Monumental Questions: Prehistoric Megaliths, Mounds, and Enclosures (Session C68, Part II); Proceedings of the XV UISPP World Congress (Lisbon, 4–9, September 2006)*, Calado, D., Baldia, M.O., and Boulanger, M.T. (eds.), pp. 169–178. BAR International Series 2123. Archaeopress, Oxford, 2010.

2008

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7. Frink, D.S. and **M.T. Boulanger**. Archaeological Assessment Study of the Proposed VELCO High Voltage Transmission System Upgrade Northwest Vermont Reliability Project between Barre Substation in Barre, Washington County, Vermont and Granite Substation in Williamstown, Orange County, Vermont. Prepared for Vermont Electric Power Company, Inc., Rutland, Vermont. Archaeology Consulting Team. 2003.
8. Frink, D.S., A.D. Hathaway, C. Baker, and **M.T. Boulanger**. Draft Phase IA Archaeological Investigation of the Proposed VELCO High Voltage Transmission System Upgrade Northwest Vermont Reliability Project. Prepared for Vermont Electric Power Company, Inc., Rutland, Vermont. Archaeology Consulting Team. 2003.
9. **Boulanger, M.T.** and D.S. Frink. Phase I Archaeological Site Identification Study for the Proposed Shelburne Cliffs Housing Development, Shelburne, Chittenden County, Vermont. Prepared for Neagley Construction, South Burlington, Vermont. Archaeology Consulting Team. 2003.
10. Frink, D.S. and **M.T. Boulanger**. Cultural Resource Management Studies within Lands Managed by Vermont Department of Fish and Wildlife. Prepared for Vermont Department of Fish and Wildlife, Agency of Natural Resources. Archaeology Consulting Team. 2002.
11. **Boulanger, M.T.** and D.S. Frink. Phase I Archaeological Site Identification Study: St. Michael's College Hoehl Welcome Center Improvements, Colchester, Vermont. Prepared for St. Michael's College, Winooski, Vermont. Archaeology Consulting Team. 2002.
12. Frink, D.S. and **M.T. Boulanger**. Cultural Resource Management Studies within Lands Managed by Vermont Department of Fish and Wildlife and Vermont Department of Forests, Parks and Recreation: 2000 Annual Report. Prepared for Vermont Department of Fish and Wildlife and Vermont Department of Forests, Parks and Recreation, Agency of Natural Resources. Archaeology Consulting Team. 2001.

PRESENTATIONS AND EXHIBITS

Recent Invited Lectures

1. "10,000 Years of Lithic Procurement in the Taos Valley of Northern New Mexico" Jan 2023
North Texas Archaeological Society
2. "Education, Archaeology, and VR @ SMU" Apr 2022
Virtual Reality and Being Human
Sponsored by the Future of Narrative: Virtual Reality Cluster, Dedman College Interdisciplinary Institute, Southern Methodist University.
3. "Current Research Determining the Sources of Obsidian in the Northern Rio Grande and Beyond" Jan 2022
Panhandle Archaeological Society

Conference Presentations

Includes roles as organizer, discussant, and presenter; often several presentations are given at a single conference. A complete list is available on my Web site or upon request.

American Anthropological Association: Annual Meeting	2010
American Nuclear Society Meeting and Nuclear Technology Expo	2006
American Schools of Oriental Research	2013, 2014
Archaeometria Műhely	2008

Conference on New England Archaeology	2006
Eastern States Archaeological Federation: Annual Meeting	2001, 2016
Ecological Society of America: Annual Meeting	2014
European Association of Archaeologists	2003, 2006
Human Behavior and Evolution Society: Annual Meeting	2015
International Obsidian Conference	2021
International Symposium on Archaeometry	2008
Middle Atlantic Archaeological Conference	2018
Missouri Archaeological Society: Annual Meeting	2006
Modern Trends in Activation Analysis Conference	2011
Panhandle Archaeological Society	2022
Plains Anthropological Conference	2017
Society for American Archaeology: Annual Meeting	2006–2016, 2018–2019
Southeastern Archaeological Conference	2018
Union for Prehistoric and Protohistoric Sciences	2006
Vermont Archaeological Society: Annual Meeting	2005
Vermont Quadricentennial Indigenous Conference	2009
Second Workshop on Levantine Ceramic Production and Distribution	2013
World Archaeological Congress	2003, 2013

Museum Exhibits

1. Mount Independence National Historic Landmark 2005
Mount Independence Chert: An Ancient and Revolutionary Stone (with A.D. Hathaway and E. Gilbertson).

FIELD EXPERIENCE	Research team member	Current
	Survey & excavations of Developmental and Coalition sites at Picuris Pueblo, NM	
	<i>Plains-Pueblo Macroeconomy at Picuris:1200–1750 CE</i> (M. Adler, dir.)	
	Research team member	2013
	Backcountry Survey of the Wenaha-Tucannon Wilderness, Dayton, WA	
	<i>Reconnaissance of Southeastern Washington State</i> (R.L. Lyman, dir.)	
	Research team member	2009
	Survey and mapping of Sicán/Chimú irrigation systems, Pampa de Chaparri, Peru	
	<i>The Ynalche Project: The Political Ecology of Late Prehispanic Agriculture on the North Coast of Peru</i> (F. Hayashida, dir.)	
	Research team leader	2006–2007
	Survey and mapping of a freedman cemetery and church grounds, Columbia, MO	
	<i>Log Providence Baptist Church Freedmen Cemetery Mapping Project</i>	
	Staff and project archaeologist	2000–2005
	Phase I, II, and III regulatory and compliance projects in northern New England	
	Archaeology Consulting Team, Inc.	
	Research team member	2000–2002
	Research excavations at Copper Age hillforts & burial mounds, Czech Republic	
	<i>Czech-American Archaeological Research Project</i> (M. Baldia dir.)	
	Project archaeologist	1998
	Phase III excavations at 13MC136 (Eisele's Hill), Muscatine, IA	
	Bear Creek Archaeology, Inc.	
	Undergraduate student worker	1997
	Phase III excavations of an historic privy at The Octagon House, Decorah, IA	
	Luther College (J. Staeck, dir.)	

TEACHING
EXPERIENCE

Graduate Student Committees

Southern Methodist University

Bonnie Etter (Ph.D. candidate)
Ian Jorgeson (Ph.D. candidate)
Samantha Lagos (Ph.D. candidate)
Anne Parfitt (Ph.D. candidate)

Classes Taught

Southern Methodist University

Anthropology: A Four-Field Approach (ANTH 1321)
People of the Earth (ANTH 2302)
North American Archaeology (ANTH 3302)
Lithic Artifact Analysis (ANTH 3304/6304)
Fantastic Archaeology (ANTH 3334)
Seminar in Archaeological Statistics

University of Missouri

Fundamentals of Archaeology: Laboratory Methods (ANTH 2020)

Mentorship, Field, and Non-Traditional Learning

Southern Methodist University

Mentor for 3 Hamilton Undergraduate Research Scholars	2021–2022
Graduate working group: Statistical applications in R	2017, 2018, 2019
Graduate working group: Bayesian modeling	2016–2017, 2019, 2022

Archaeometry Laboratory, University of Missouri Research Reactor

Mentor and Instructor for Visiting Scholars	2008–2015
Mentor for visiting intern from Luther College	2010

Law Enforcement Training Institute (LETI), University of Missouri

Field Instructor: Surface Recovery of Skeletal Remains Workshop	2012
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Czech-American Archaeological Field School, College of DuPage

Field Instructor and Laboratory Supervisor	2000–2002
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MEDIA COVERAGE

Society for Archaeological Sciences Bulletin Online. May 5, 2021. Sourcing and pseudo-archaeology. (M. Golitko)

BBC—Earth. March 30, 2017. [The first people who populated North America](#). (M. Hogenboom)

Mammoth Trumpet 32(1):1–5. 2017. Clovis, masters of organized transport.

Retraction Watch. April 4, 2015. [Weekend reads: Publication pollution, irreproducible research crisis, and broken funding models](#).

ScienceNOW. January 28, 2014. [What killed the great beasts of North America?](#). (M. Balter)

Washington Post. February 10, 2014. [What killed the great beasts of North America? A new study points to environmental causes](#). (M. Balter)

Archaeology Magazine January 29, 2014. [Was it climate change or the overkill hypothesis?](#).

American Archaeology 18(1):8. 2014. [Study questions megafauna overkill theory; results suggest extinctions in the Northeast weren't due to humans](#). (P. Neely)

PROFESSIONAL SERVICE	Program Committee, Annual Society for American Archaeology Meeting	2022–2023
	Secretary/Treasurer, International Association for Obsidian Studies	2015–2020
	Student Representative, Society for Anthropological Sciences	2012–2014
	Board Member, Vermont Archaeological Society	2004–2005
	Peer Reviewer for University of Utah Press, Oxford University Press, <i>American Antiquity</i> , <i>Journal of Archaeological Science</i> , <i>Archaeometry</i> , <i>Geoarchaeology</i> , <i>Latin American Antiquity</i> , <i>Lithic Technology</i> , <i>Journal of Archaeological Science: Reports</i> , <i>Journal of Middle Atlantic Archaeology</i>	
UNIVERSITY SERVICE	Member, SMU Student Engagement & Inclusion Initiative	2023–2024
	Member, SMU Faculty Senate Task Force on NTT Faculty Equity	2022
	Faculty Advisor, SMU Anthropology Student Club	2016–Present
	Webmaster, MURR Archaeometry Laboratory	2007–2015
	President, MU Anthropology Student Association	2008–2010
	Secretary, MU Anthropology Student Association	2007–2008
PROFESSIONAL MEMBERSHIPS	Register of Professional Archaeologists	2010–Present
	Society for American Archaeology	2005–Present