

Matthew T. Boulanger

Curriculum Vitæ

CONTACT INFORMATION	#406 Heroy Science Hall, Department of Anthropology 3225 Daniel Avenue, Southern Methodist University, Dallas, TX 75275-0336 https://people.smu.edu/mboulanger/ https://orcid.org/0000-0003-3384-7884																														
RESEARCH INTERESTS	Archaeometric methods & applications; Paleoindian archaeology; Contact period archaeology; Eastern North America; Geospatial applications; Big data in archaeology																														
EDUCATION	<table border="0" style="width: 100%;"> <tr> <td style="width: 150px;">Ph.D., Anthropology</td> <td style="text-align: right;">2015</td> </tr> <tr> <td>University of Missouri, Columbia, MO</td> <td></td> </tr> <tr> <td><i>Phylogenetic and Morphometric Analyses of Eastern Fluted-Point Forms</i></td> <td></td> </tr> <tr> <td>M.A., Anthropology</td> <td style="text-align: right;">2009</td> </tr> <tr> <td>University of Missouri, Columbia, MO</td> <td></td> </tr> <tr> <td><i>Pottery Production at Fort Hill (27CH85) A Seventeenth-Century Refugee Community in Northern New England</i></td> <td></td> </tr> <tr> <td>Graduate Certificate, Geographic Information Science</td> <td style="text-align: right;">2009</td> </tr> <tr> <td>University of Missouri, Columbia, MO</td> <td></td> </tr> <tr> <td><i>Landscape Ecology and Spatial Analysis</i></td> <td></td> </tr> <tr> <td>B.A., Anthropology</td> <td style="text-align: right;">1999</td> </tr> <tr> <td>Luther College, Decorah, IA</td> <td></td> </tr> </table>	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									
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GRANTS AND
AWARDS

Research Grants

1. Summerlee Foundation 2023
XRF spectrometry to aid in archaeological and historical research [\$20,000]
2. Hamilton Undergraduate Research Scholars Program, SMU 2023–2024
Support for 3 undergraduate student researchers [\$9600]
3. Institute for the Study of Earth and Man 2022
Salvage of digital radiocarbon records [\$2500]
4. Institute for the Study of Earth and Man 2021–2022
Digitization of the records of the SMU Radiocarbon Laboratory [\$7680]
5. Hamilton Undergraduate Research Scholars Program, SMU 2021–2022
Support for 3 undergraduate student researchers [\$9600]
6. National Science Foundation 2014–2017
Support for the Archaeometry Laboratory at MURR [\$231,817]
NSF1415403 Co-PI with J. Ferguson and M.D. Glascock
7. Jacob L. Grimm ¹⁴C Award, Society for Pennsylvania Archaeology 2014
AMS dating of *Mammut americanum* remains [\$300]
8. Archaeological Society of New Jersey Research Grant 2014
AMS dating of *Cervalces scotti* remains [\$575]
9. Lyent Russell Award, Archaeological Society of Connecticut 2013
AMS dating of *Mammut americanum* remains [\$600]
10. Friends of the Office of State Archaeology Radiocarbon Award 2013
AMS dating of the Farmington/Pope mastodon (*Mammut americanum*) [\$600]
11. W. Raymond Wood Opportunities for Excellence in Archaeology 2013
AMS dating of *Cervalces scotti* specimen from New Jersey [\$525]
12. Digital Antiquity 2011
Digitization and dissemination of the Lawrence Berkeley
National Laboratory archaeometric and archaeological database [\$10,000]
13. 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. *Just-in-Time Teaching and Technology Grant* [\$500] 2023
Center for Teaching Excellence, Southern Methodist University
2. *Just-in-Time Teaching and Technology Grant* [\$500] 2021
Center for Teaching Excellence, Southern Methodist University

Teaching Awards

1. *Provost's Teaching Recognition Award* 2023–2024
Center for Teaching Excellence, Southern Methodist University
2. *Extra Mile Award* 2018
In recognition of excellent teaching and support of those who learn differently
Students for New Learning, Southern Methodist University

PUBLICATIONS

Refereed Journal Articles

Under Review/Accepted

1. Eren, M.I., M.R. Bebber, B.G. Redmond, P. Kasten, G.L. Miller, B. Buchanan, and **M.T. Boulanger**. Description, microwear, and morphometrics of Clovis and possible-Clovis artifacts from the Kasten site, Erie County, Ohio, U.S.A. *Lithic Technology*, Accepted (March 2024).
2. Mukusha, L., G.L. Miller, A. Smith, M.R. Bebber, L. Spurlock, J.A. Gerrath, J. Ortiz, M. Wilson, B. Buchanan, **M.T. Boulanger**, M.I. Eren, and D.J. Meltzer. “Hit or miss: Do microscopic linear impact traces (MLITs) form on Clovis stone tips launched via atlatl into foliage and sediment?” *Journal of Archaeological Science: Reports*, Accepted (April 2024).
3. Smith, A., C. Stephens, D. Mielke, A. Wilson, T. Debolt, F. Groseclose, P. Hothem, **M.T. Boulanger**, B. Buchanan, G.L. Miller, M. Bebber, and M.I. Eren. “Newly reported Clovis points and possible preforms from or near the Welling, Mielke, and Debolt Farm sites, Ohio.” *Northeast Anthropology*, Accepted (January 2024).

2023

4. **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.
5. Eren, M.I., F. Diez-Martin, A. Tarrío, 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*, 35.
6. 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* 38(5): 665–676.
7. Mukusha, L., G.L. Miller, B. Buchanan, **M.T. Boulanger**, R. Marvin, R. Kunst, M. Bebber, and M.I. Eren. “Clovis and possible-Clovis artifacts from the Wyandot County and Portage County Historical Societies, Ohio.” *Northeast Anthropology*, In Press.

2022

8. **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.

9. **Boulanger, M.T.**, D. Mielke, R. Mielke, B. Buchanan, G.L. Miller, B. Christy, M. Bebber, 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.
10. Burger, R.L., E. Tsurumi, **M.T. Boulanger**, K. Rademaker, and M.D. Glascock. “Sayrosa, a minor obsidian source in the Puna of Arequipa.” *Nawpa Pacha* 42(2): 185–204, 2022.
11. 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

12. **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.
13. **Boulanger, M.T.**, R.J. Patten, B.N. Andrews, M.R. Bebber, 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.
14. Eren, M.I., M.R. Bebber, 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.
15. 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. Bebber. “Current evidence supports Welling as an outcrop-related base camp.” *American Antiquity* 86(4): 867–870, 2021.

2020

16. **Boulanger, M.T.** “Mexican obsidian on Maui: Hawaiian connection, harmonic convergence, or hokum?” *Journal of Archaeological Science: Reports*, 34(B): 102662, 2020.
17. 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.
18. Perrone, A., M.R. Bebber, **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

19. Eren, M.I., G.L. Miller, B. Buchanan, **M.T. Boulanger**, M.R. Bebber, 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.
20. Miller, G.L., M.R. Bebber, 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.
 21. 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.
 22. Williams, J., D. Simone, B. Buchanan, **M.T. Boulanger**, M.R. Bebber, 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

23. 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.
24. Eren, M.I., M.R. Bebber, 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.
25. 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

26. 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.
27. **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.
28. 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

29. 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.
30. 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.

31. 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.
32. 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.
33. 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.
34. 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

35. **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.
36. **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.
37. **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.
38. **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.
39. **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.
40. 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.
41. 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

42. **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.
43. 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.

44. 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.
45. 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.
46. 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

47. **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.
48. 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

49. **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.
50. **Boulanger, M.T.** and C.M. Hudson. "Assessment of the gripability of textured ceramic surfaces." *American Antiquity* 77(2): 293–302, 2012.
51. 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

52. 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.
53. 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.
54. 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

55. **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
56. 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

57. **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

58. **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

59. **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.

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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

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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.

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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 inland 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.

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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 Université de Bordeaux-Montaigne, 2018.

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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,

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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.
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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.

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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-Cultural 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.

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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.

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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.

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19. Baldia, M.O., D.S. Frink, and **M.T. Boulanger**, "Problems in the archaeological legacy: the TRB/Lengyel-Baden conundrum." In: *The Baden Complex and the Outside World [Proceedings of the 12th Annual Meeting of the EAA, 2006, Cracow]*,

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1. **Boulanger, Matthew T.** “Lawrence Berkeley National Laboratory (LBNL) Nuclear Archaeology Program Archives.” Comprehensive archive of the data and documents of the neutron activation analysis program for archaeological materials at the Lawrence Berkeley National Laboratory. Published at the Digital Archaeological Record; Digital Antiquity: <https://core.tdar.org/collection/7901/lawrence-berkeley-national-laboratory-lbnl-nuclear-archaeology-program-archives>.

Non-refereed Articles

1. Erwin, C. and **M.T. Boulanger**. “Central Mexican origin for an obsidian prismatic blade from the Texas Panhandle.” *Journal of the North Texas Archaeological Society* 2: 1–11, 2024.
2. **Boulanger, M.T.** and G.D. Lattanzi. “AMS radiocarbon date for the Mount Hermon stag moose (*Cervalces scotti*).” *The Bulletin of the Archaeological Society of New Jersey* 71–73: 3–8, 2018.
3. Gauthier, B. and **M.T. Boulanger**. “The Mount Holly mammoth, history since discovery.” *Vermont Geological Survey Educational Leaflet* 3. 2018.
4. Graves, A. and **M.T. Boulanger**. “Inventory and analysis of some obsidian artifacts in the James M. Collins Collection.” *Bulletin of the International Association for Obsidian Studies* 58: 24–37, 2017.
5. **Boulanger, M.T.**, and B. Jones. “Radiocarbon date of the Farmington/Pope mastodon, Connecticut.” *Friends of the Office of State Archaeology Member Newsletter* Fall: 3–6, 2015.
6. **Boulanger, M.T.** “AMS radiocarbon date for the New Britain YWCA mastodon.” *Newsletter of the Archaeological Society of Connecticut* 236: 5–6, 2014.
7. **Boulanger, M.T.** “AMS radiocarbon dating of the Marshalls Creek Mastodon.” *The Society for Pennsylvania Archaeology Newsletter* Fall: 11, 2014.
8. **Boulanger, M.T.**, M.D. Glascock, M.S. Shackley, and C. Skinner. “Likely source attribution for a Paleoindian obsidian graver from northwest Louisiana.” *International Association for Obsidian Studies Bulletin* 49: 4–7, 2013.
9. **Boulanger, M.T.** “Salvage archaeometry: lessons learned from the Lawrence Berkeley Laboratory archaeometric archives.” *The SAA Archaeological Record* 13(1): 14–19, 2013.
10. **Boulanger, M.T.** “Digitization of the Lawrence Berkeley Laboratory archaeometric archives: status update and availability announcement.” *Society for Archaeological Sciences Bulletin* 35(2): 4–7, 2012.
11. **Boulanger, M.T.** “Introduction: 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): 199–202, 2008.

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13. **Boulanger, M.T.** and T.R. Jamison. “Obsidian in Vermont: analysis of a projectile point in the Gerald Coane Collection.” *Putney Historical Society News* 1: 3–4, 2008.
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15. Rosania, C.N., **M.T. Boulanger**, K.T. Biró, S. Ryzhov, G. Trnka, and M.D. Glascock. “Revisiting Carpathian obsidian.” *Antiquity* 82(318), 2008.
16. **Boulanger, M.T.** “Database of published radiocarbon dates for Vermont with a brief discussion of the method.” *Journal of Vermont Archaeology* 8: 1–25, 2007.
17. **Boulanger, M.T.** and A.D. Hathaway. “The effects of heat on some common Vermont lithic materials.” *Journal of Vermont Archaeology* 7: 54–60, 2006.

PROFESSIONAL
AND TECHNICAL
REPORTS

Archaeometric Analyses of Lithic Materials

1. **Boulanger, M.T.** Geochemical Sourcing of Obsidian Artifacts from Picurís Pueblo (LA 127) in Taos County, New Mexico; Fourth Report. Department of Anthropology, Southern Methodist University. 2022.
2. **Boulanger, M.T.** Geochemical Sourcing of Obsidian Artifacts from Archaeological Surveys in the Taos Area, New Mexico: The Helen Blumenschein Collection (Report #3). Department of Anthropology, Southern Methodist University. 2022.
3. **Boulanger, M.T.** Geochemical Sourcing of Obsidian Artifacts from Archaeological Surveys in the Taos Area, New Mexico: The Helen Blumenschein Collection (Report #2). Department of Anthropology, Southern Methodist University. 2022.
4. **Boulanger, M.T.** Compositional Analysis by pXRF of Obsidian Artifacts from Pete Creek (41CB1) in Crosby County, Texas. Department of Anthropology, Southern Methodist University. 2021
5. **Boulanger, M.T.** Geochemical Sourcing of Obsidian Artifacts from Archaeological Surveys in the Taos Area, New Mexico: The Helen Blumenschein Collection; the Little Rio Grande Survey; Vickery’s Excavations at TA-26; and, the Herold and Luebben Survey (Report #1). Department of Anthropology, Southern Methodist University. 2021
6. **Boulanger, M.T.** X-ray Fluorescence Spectrometry of Archaeological Artifacts from Peñasco Alto (LA 926); Report 1: Summary of in-field analyses conducted in June and July 2021. Department of Anthropology, Southern Methodist University. 2021
7. **Boulanger, M.T.** Neutron Activation Analysis of Chert Artifacts from Mielke #1 (33SH26), Shelby County, Ohio. Prepared for M.I. Eren. Department of Anthropology, Southern Methodist University. 2021
8. **Boulanger, M.T.** Compositional Analysis by pXRF of Obsidian Artifacts from Pot Creek Pueblo (TA-1) in Taos County, New Mexico. Department of Anthropology, Southern Methodist University. 2020.

9. **Boulanger, M.T.** Compositional Analysis by pXRF of Obsidian Artifacts from Picuris Pueblo (TA-111) in Taos County, New Mexico. Department of Anthropology, Southern Methodist University. 2020.
10. **Boulanger, M.T.** Compositional Analysis by pXRF of Obsidian and Dacite Artifacts from Ute Mountain and Cerro de la Olla, Taos County, New Mexico. Prepared for L. Montgomery. Department of Anthropology, Southern Methodist University. 2019.
11. **Boulanger, M.T.** Neutron Activation Analysis of Chert Sources in the Upper Midwest, and a Comparison to Bifaces from a Suspected Paleoindian Cache at Camp Cornish, Ohio. Prepared for M.I. Eren. University of Missouri Research Reactor. 2019.
12. **Boulanger, M.T.** Chemical characterization of cryptocrystalline silicates from sources in the U.S. Southeast and from Smith Mountain (44PY152), Pittsylvania County, Virginia. Prepared for J.A.M. Gingerich. University of Missouri Research Reactor. 2018.
13. **Boulanger, M.T.** Letter report summarizing the results of XRF analysis of TPP051, an obsidian-source cobble from the southern plateau of Tibet. Prepared for C. Perreault. University of Missouri Research Reactor. 2014.
14. **Boulanger, M.T.** and M.D. Glascock. X-ray Fluorescence and Neutron Activation Analysis of Obsidian Artifacts Collected by the Tibet Paleolithic Project. Prepared for C. Perreault. University of Missouri Research Reactor. 2014.
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30. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Samples from five Native-American Chert Quarries in Northeastern Pennsylvania. Prepared for J. Schuldenrein. University of Missouri Research Reactor. 2009.
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35. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Tecovas Formation Jasper from 41PT276 and Brisco County, Texas, Quartermaster Formation Chert from 41PT1 (Alibates Flint Quarry National Monument) and Sources in Roberts and Potter Counties, Texas, Dockum Group Chert from Baldy Hill, New Mexico, and Artifacts from 41PT185/C, 41PT186, and 41PT245. Prepared for M. Quigg. University of Missouri Research Reactor. 2008.
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Archaeometric Analyses of Ceramic Materials

1. **Boulanger, M.T.** and B.L. MacDonald. Compositional Analysis of Ceramic Earthenware Objects from Poverty Point (16WC5), West Carroll Parish, Louisiana. Southern Methodist University and University of Missouri Research Reactor. 2022.
2. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Prehistoric Ceramic Specimens from VT-GI-1 (St. Anne's). Prepared for T. Jamison. University of Missouri Research Reactor. 2015.
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4. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Ceramic and Clay Specimens from Veracruz, Mexico, and Pensacola, Florida. Prepared for K. Eschbach. University of Missouri Research Reactor. 2014.

5. **Boulanger, M.T.** and M.D. Glascock. Second Report on Compositional Investigations Associated with Mayan Volcanic-Ash-Tempered Pottery. Prepared for A. Ford. University of Missouri Research Reactor. 2014.
6. **Boulanger, M.T.** and M.D. Glascock. Compositional Analysis of Pottery from La Granja, Southern Chile. Prepared for F. Falabella. University of Missouri Research Reactor. 2014.
7. **Boulanger, M.T.** Compositional Analysis of Pottery and Geological Clays from Northeastern North Dakota. Prepared for K.L. Hollenback. University of Missouri Research Reactor. 2014.
8. **Boulanger, M.T.** and M.D. Glascock. Compositional Analysis of Pottery from Mine Wash (CA-SDI-813) and Clay Specimens from the Surrounding Region. Prepared for M. Burton and P. Quinn. University of Missouri Research Reactor. 2014.
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12. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Ceramic and Clay Specimens Associated with Ceramic Production and Use at Khirbet el-Maqatir: Third Report. Prepared for B. Wood. University of Missouri Research Reactor. 2013.
13. **Boulanger, M.T.** and M.D. Glascock. Ethnoarchaeological Study of Ceramic Production in Eastern Tigray, Ethiopia: Fourth Report on Chemical Characterizations of Pottery, Clay, and Temper. Prepared for D. Lyons. University of Missouri Research Reactor. 2013.
14. **Boulanger, M.T.** Neutron Activation Analysis of Hellenistic Moldmade Fineware from Tel Dor, Israel; Second Report. Prepared for S. Mermelstein. University of Missouri Research Reactor. 2013.
15. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Pottery and Steatite from 44WR232 and 44WR446, Warren Co., Virginia. Prepared for S. Fiedel. University of Missouri Research Reactor. 2012.
16. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Pottery Specimens from 31JK12 (Tuckasegee Site), Jackson Co., North Carolina. Prepared for E. Voigt and L. Tippett. University of Missouri Research Reactor. 2012.
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23. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Pottery Samples from the Worcester Art Museum. Prepared for P. Artal-Isbrand, Worcester Art Museum. University of Missouri Research Reactor. 2009.
24. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Pottery Samples from Central Lydia, Western Turkey; Second Report. Prepared for C. Luke and C. Roosevelt. University of Missouri Research Reactor. 2009.
25. **Boulanger, M.T.** and M.D. Glascock. Compositional Analysis of Ceramic Artifacts from the Valley of Oaxaca. Prepared for M. Winter. University of Missouri Research Reactor. 2009.
26. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Postclassic Pottery from Xaltocan, Mexico. Prepared for K. De Lucia. University of Missouri Research Reactor. 2009.
27. **Boulanger, M.T.** and M.D. Glascock. Compositional Analysis of Fine-Orange Ceramics from the Valley of Oaxaca. Prepared for M. Winter. University of Missouri Research Reactor. 2009.
28. **Boulanger, M.T.** and M.D. Glascock. Compositional Analysis of Cream-ware Ceramic Sherds from the Valley of Oaxaca. Prepared for M. Winter. University of Missouri Research Reactor. 2009.
29. **Boulanger, M.T.** and M.D. Glascock. Compositional Analysis of Ceramic Sherds from Northwest Alaska: Late Prehistoric Mobility and Interaction in Northwest Alaska: Preliminary Ceramic Compositional Analysis. Prepared for S. Anderson. University of Missouri Research Reactor. 2009.
30. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Terracotta Statues from Canosa, Italy. Prepared for S. Costello. University of Missouri Research Reactor. 2008.
31. **Boulanger, M.T.** and M.D. Glascock. Second Report of Neutron Activation Analyses of Pottery from La Tiza, Southern Peru: Changing Patterns of Production, Exchange, and Use: An Analysis of Ceramics from the Site of La Tiza, Nasca, Peru. Prepared for C.A. Conlee. University of Missouri Research Reactor. 2008.
32. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of 286 Pottery Samples from Central Lydia, Western Turkey. Prepared for C. Luke and C. Roosevelt, Boston University. University of Missouri Research Reactor. 2008.

33. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Iron Age II Pottery from Khirbet el-Dabba and Survey Sites 6, 20, 25, 69, and 139: Report #1 of the South Jordan Iron Age II Pottery Neutron Activation Analysis Project. 2008. Prepared for C. Whiting and B. Porter. University of Missouri Research Reactor.
34. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Byzantine Tiles from Near Geyve, Turkey. Prepared for J. Lauffenburger. University of Missouri Research Reactor. 2008.
35. **Boulanger, M.T.**, W.D. Stoner, and M.D. Glascock. Neutron Activation Analysis of Teotihuacan-period Pottery from the Teotihuacan Valley, Mexico. Prepared for T. H. Charlton. University of Missouri Research Reactor. 2008.
36. **Boulanger, M.T.** and M.D. Glascock. Neutron Activation Analysis of Pottery from La Tiza, Southern Peru. Prepared for C.A. Conlee, Texas State University. University of Missouri Research Reactor. 2007.
37. **Boulanger, M.T.** and M.D. Glascock. Analyses of Seven Pottery Sherds from Salemi, Western Sicily, and Evaluation of Contamination from Sample-extraction Methods. Prepared for B. Balco and M. Kolb. University of Missouri Research Reactor. 2007.
38. **Boulanger, M.T.** and M.D. Glascock. Letter Report Dated May 26, 2006, Regarding Analysis of 250 Ceramic Powders from Western Sicily. Prepared for M. Kolb, Northern Illinois University. University of Missouri Research Reactor. 2006.
39. **Boulanger, M.T.** and M.D. Glascock. Instrumental Neutron Activation Analysis of Middle Woodland Pottery from the Delaware Valley. Prepared for G. Pevarnik. University of Missouri Research Reactor. 2006.

Archaeometric Analyses of Miscellaneous Materials

1. **Boulanger, M.T.** and M.D. Glascock. Analysis of Kushan Coins in the Collections of the Museum of Art and Archaeology at the University of Missouri. Prepared for J.A. Scaevola. University of Missouri Research Reactor. 2013.
2. **Boulanger, M.T.** and M.D. Glascock. Analysis by Neutron Activation and X-ray Fluorescence of Historic Slag found near Bennington, Vermont. Prepared for S. Costello. University of Missouri Research Reactor. 2013.
3. Rosania, C.N. and **M.T. Boulanger** Fluorine Analysis of 20 Additional Human (*Homo sapiens*) Victims from the AD 79 Mount Vesuvius Eruption at Herculaneum, Italy. Prepared for P.P. Petrone. University of Missouri Research Reactor. 2009.
4. Rosania, C.N. and **M.T. Boulanger** Fluorine Analysis of North American Black Bear (*Ursus americanus*) Bones from Lawson Cave, Boone County, Missouri. Prepared for C. Hudson. University of Missouri Research Reactor. 2009.
5. **Boulanger, M.T.** X-ray Fluorescence Analysis of Historic Slags Found Near Thompsonville, Benzie County, Michigan. Prepared for P. Shinn. University of Missouri Research Reactor. 2007.
6. **Boulanger, M.T.** and M.D. Glascock. ICP-MS Analysis of Soil Samples from a Modern Chicha-brewing Context, Peru. Prepared for: F.M. Hayashida. University of Missouri Research Reactor. 2006.

Cultural Resource Management Reports

1. A.D. Hathaway, **M.T. Boulanger** and D.S. Frink. Phase I Archaeological Site Identification Study of the Proposed Verizon Wireless Communication Facility in Leicester, Addison County, Vermont. Prepared for DuBois & King, Inc., Williston, Vermont. Archaeology Consulting Team. 2005.
2. D.S. Frink, D. Tall, **M.T. Boulanger**, A.D. Hathaway, and C. Baker. 2004 Annual Report of the Cultural Resources Management Plan for the Vergennes Hydroelectric Project (FERC No. 2674) in the Towns of Weybridge, New Haven, Addison, Waltham, and Panton, and the City of Vergennes, Addison County, Vermont. Prepared for Green Mountain Power Corporation, Colchester, Vermont. Archaeology Consulting Team. 2004.
3. **Boulanger, M.T.** and D.S. Frink. Phase I Archaeological Site Identification Study Phase 2 of the proposed G.W. Tatro Gravel Pit Project, Town of Belvidere, Lamoille County, Vermont. Prepared for G.W. Tatro Construction, Inc., Jeffersonville, Vermont. Archaeology Consulting Team. 2004.
4. **Boulanger, M.T.** and D.S. Frink. Phase I Archaeological Site Identification Study of the Proposed Expansion of the Leduc and Many Sand/Gravel Pit in the Town of Highgate, Franklin County, Vermont. Prepared for Cross Consulting Engineers, P.C., St. Albans, Vermont. Archaeology Consulting Team. 2004.
5. Frink, D.S. and **M.T. Boulanger**. Short Report for the Archaeological Site Identification Study of the proposed Sheldon Heights Extension near the Village of Sheldon Junction, Town of Sheldon, Franklin County, Vermont. Prepared for Cross Consulting Engineers, Inc., St. Albans, Vermont. Archaeology Consulting Team. 2004.
6. Frink, D.S., **M.T. Boulanger**, D. Tall, and C. Baker. 2003 Annual Report of the Cultural Resource Management Plan for Archaeological and Historic Resources within the Pierce Mills, Arnold Falls, Gage, and Passumpsic Hydroelectric Stations; St. Johnsbury, Waterford, and Barnet in Caledonia County, Vermont (FERC Nos. 2396, 2399, 2397, and 2400). Prepared for Central Vermont Public Service Corporation, Rutland, Vermont. Archaeology Consulting Team. 2003.
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
Archaeometriai 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
Plains-Pueblo Macroeconomy at Picuris:1200–1750 CE (M. Adler, dir.)
- Research team member 2013
Backcountry Survey of the Wenaha-Tucannon Wilderness, Dayton, WA
Reconnaissance of Southeastern Washington State (R.L. Lyman, dir.)
- Research team member 2009
Survey and mapping of Sicán/Chimú irrigation systems, Pampa de Chaparrí, Peru
The Ynalche Project: The Political Ecology of Late Prehispanic Agriculture on the North Coast of Peru (F. Hayashida, dir.)
- Research team leader 2006–2007
Survey and mapping of a freedman cemetery and church grounds, Columbia, MO
Log Providence Baptist Church Freedmen Cemetery Mapping Project
- 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
Czech-American Archaeological Research Project (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

Czech-American Archaeological Field School, College of DuPage
 Field Instructor and Laboratory Supervisor 2000–2002

MEDIA COVERAGE

Texas Standard. March 13, 2024. How did Mexican obsidian turn up in the Panhandle? Could be Coronado. (M. Marks)
Newsweek. February 26, 2024. Texas Discovery Could Unlock Secrets of ‘City of Gold’ Expedition. (A. Georgiou)
Dallas Morning News. August 16, 2023. Watchdog: Whistleblower tells Congress a stunning tale of crashed alien spacecraft and dead pilots. (D. Liber)
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, *American Antiquity*, *Journal of Archaeological Science*, *Archaeometry*, *Geoarchaeology*, *Latin American Antiquity*, *Lithic Technology*, *Journal of Archaeological Science: Reports*, *Journal of Middle Atlantic Archaeology*

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
Society for American Archaeology

2010–Present
2005–Present