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| **D. Shane Miller** |  |  |
| Assistant Professor |  | P.O. Box AR |
| Department of Anthropology and Middle Eastern Cultures |  | Mississippi State, MS 39762-6100 Phone: 662.325.2013 |
| Mississippi State University |  | Email: dsm333@msstate.edu |

**Education**

University of Arizona: Ph.D., Anthropology, 2014

* Dissertation: *From Colonization to Domestication: A Historical Ecological Analysis of Paleoindian and Archaic Subsistence and Landscape Use in Central Tennessee*.
* Committee: Vance T. Holiday, Steve L. Kuhn, Mary C. Stiner, David G. Anderson

University of Tennessee: M.A., Anthropology, 2007

* Thesis: *Site Formation Processes in an Upland Paleoindian Site: The 2005-2007 Topper Firebreak Excavations*
* Committee: David G. Anderson, Boyce N. Driskell, Sarah C. Sherwood

University of Tennessee: B.A. Anthropology (Honors), 2004

**Research Interests**

Hunter-gatherers; ecological anthropology; lithic technology; Geographic Information Systems (GIS); quantitative methods; geoarchaeology; Southeastern United States.

**Experience**

*Academic Positions Held*

Assistant Professor, Mississippi State University, August 2014-Present

Anthropology Undergraduate Advising Mentor, University of Arizona, January 2012 – May 2013

Graduate Research and Teaching Assistant, University of Arizona, August 2007 – May 2013

Graduate Teaching Associate, University of Tennessee, August 2005 – Spring 2007

*Courses Taught*

Introduction to Anthropology, Introduction to Archaeology, Ecological Anthropology, Southeastern Archaeology, North American Archaeology, North American Indians, Quantitative Methods in Anthropology, Geospatial Methods for Anthropology

*Graduate Advising*

Advisor: Caleb Hutson, Kelsey Meer, Katie Phillips, James Strawn, and Ryan Young

Committee Member: Jonathan Belanich\*, Bradley Carlock\*, Michelle Davenport, Jason Ervin, Sarah Gilleland\*, Marcus Hayes, Brittany Higgs, Kate McKinney, Sarah Skibinski, Joseph Smith, and Jared Wilson.

\*Graduated

*Fieldwork/Professional Experience*

Summer 2015-Present: Co-PI of the Swag Site Archaeological Project, Allendale, SC

Summer 2015-Present: Co-PI of the Estate Cane Garden Project in St. Croix, USVI

Summer 2010-Present: Co-PI of the Bells Bend Archaeological Project, Nashville, TN

Summer 2008-2014: Archaeologist and GIS analyst, William Self and Associates, Tucson, AZ

Summer 2006-2008, 2010: Senior Site Supervisor at the Topper Site, South Carolina (38AL23)

Various projects in Arizona, Georgia, New Mexico, Sonora, South Carolina, St. Croix, Tennessee, and Texas since 2003.

**Honors, Awards, and Grants**

External Grants

SRI Foundation Dissertation Research Grant in Historical Preservation, 2011, $10,000

* From Colonization to Domestication: A Behavioral Ecological Analysis of Paleoindian and Archaic Landscape Use in Central Tennessee

Federal Preservation Grant, Tennessee Historical Commission, 2011 (w/ David Anderson), $17,984

* The Bells Bend Archaeology Project

Federal Preservation Grant, Tennessee Historical Commission, 2010 (w/ David Anderson), $19,000

* The Cumberland River/Mid-South Paleoindian Project

Lewis and Clark Fund for Exploration Grant, American Philosophical Society, 2009, $2,500

* Prospecting for Terminal Pleistocene Archaeological Sites in the Central Cumberland River Valley, Tennessee

Internal Grants

Cobb Institute of Archaeology Research Fund, 2016, (w/ Renee Walker and Deanna Grimstead), $2,300

* Did the Occupants of Dust Cave, Alabama Even Notice the Younger Dryas?: Examining Logistical Mobility using Strontium Isotopes from Faunal Remains

Henry Family Research Fund Mississippi State University, 2015, $2,500

* Ice Hunter-Gatherers of the Lower Tennessee River Valley

*Awards*

Outstanding Graduate Teaching Assistant, Social and Behavioral Sciences, Univ. of Arizona, 2009-2010

Top Graduate in Social Sciences, University of Tennessee, 2004

Outstanding Graduate in Anthropology, University of Tennessee, 2004

Academic Performance Scholarship, East Tennessee State University, 2000-2002

**Books**

n.d. From Colonization to Domestication: A Big History Approach to Understanding the Origins of the Eastern Agricultural Complex. Book Manuscript accepted by the University of Utah Press.

**Peer-Reviewed Monographs**

2010 *Site Formation Processes in an Upland Paleoindian Site: The 2005–2007 Topper Firebreak Excavations*. Occasional Paper No. 1 of the Southeastern Paleoamerican Survey, South Carolina Institute of Archaeology and Anthropology, Columbia.

**Peer-Reviewed Journal Articles**

n.d. Secrets from Within the Shell: Exploring the Differences between Shell-Bearing and Shell-Free Deposits at 40DV307 along the Cumberland River, Tennessee, USA. (third author with Stephen Carmody, Lydia Carmody, Thaddeus Bissett, and David G. Anderson). *American Antiquity*. In preparation for 2017 submission.

n.d. A Systematic Review of the Early Colonization of Beringia and Northern North America: Chronology, Routes, and Adaptive Strategies (fourth author with Ben Potter, Josh Reuther, Vance Holliday, and Chuck Holmes). *Quaternary International.* In preparation for 2016 submission.

n.d. Paleoindian Database of the Americas (PIDBA): Call for Data (second author with David G. Anderson). *PaleoAmerica.* In preparation for 2016 submission.

2016 Modeling Clovis Landscape Use and Recovery Bias in the Southeastern United States Using the Paleoindian Database of the Americas (PIDBA). *American Antiquity* 81(4):697-716

2016 Colonization after Clovis: Using the Ideal Free Distribution to Interpret the Distribution Of Late Pleistocene and Early Holocene Archaeological Sites in the Duck River Valley, Tennessee. (first author with Stephen Carmody) *Tennessee Archaeology* 8:78-101.

2016 The Old Man and the Pleistocene: John Broster and Paleoindian Period Archaeology in the Mid-South. (first author with Jesse Tune) *Tennessee Archaeology* 8:4-7.

2015 Pleistocene Human Settlement in the Southeastern United States: Current Evidence and Future Directions (third author with David G. Anderson and Ashley M. Smallwood). *Paleoamerica.*

2014 Chronological evidence fails to support claim of an isochronous widespread layer of cosmic impact indicators dated to 12,800 years ago (fourth author with David J. Meltzer, Vance T. Holliday, and Michael D. Cannon). *Proceedings of the National Academy of Sciences* E2162-E2171.

2013 Regional Variation in the Terminal Pleistocene and Early Holocene Radiocarbon Record of Eastern North America (lead author with Joseph A.M. Gingerich). *Quaternary Research* 79:175-188.

2012 A Preliminary Report on the Sanders #1 Site (40CH193) (lead author with John B. Broster, Gary L. Barker, David G. Anderson, Thaddeus G. Bissett, and Stephen B. Carmody). *Tennessee Archaeology* 6:31-39.

2012 Radiocarbon Dates from Three Sites along the Middle Cumberland near Nashville (lead author with David G. Anderson, Thaddeus G. Bissett, and Stephen B. Carmody). *Tennessee Archaeology* 6:53-72.

2011 Evidence for Younger Dryas Global Climate Oscillation and Human Response in the American Southwest (sixth author with Ballenger, Jesse A.M., Vance T. Holliday, Andrew L. Kowler, William T. Reitzer, Mary M. Prasciunas, and Jason D. Windingstad). *Quaternary International* 242(2):502-519.

2010 PIDBA (Paleoindian Database of the Americas) 2010: Current Status and Findings (second author with D. G. Anderson, S. J. Yerka, J. C. Gillam, E. N. Johanson, D. T. Anderson, A. C. Goodyear, and A. M. Smallwood). *Archaeology of Eastern North America* 38:1–18.

2009 Exotic Clovis Lithics from the Topper Site, 38AL23, Allendale County, South Carolina (third author with A. C. Goodyear, K. Derting, and A M. Smallwood). *Current Research in the Pleistocene* 26:60–62.

2008 Reply to Buchanan, et al.: Southeastern Data Inconsistent with Paleoindian Demographic Reconstruction (fourth author with D. G. Anderson, S. C. Meeks, and A C. Goodyear). *Proceedings of the National Academy of Sciences* 105(50):E10.

2008 A Probable Hafted Uniface from the Clovis Occupation at the Topper Site, 38AL23, Allendale County, South Carolina (lead author with A C. Goodyear). *Current Research in the Pleistocene* 25:75–77.

2006 Estimating Pleistocene Shorelines and Land Elevation for North America (fourth author with C J. Gillam, D. G. Anderson, and S. J. Yerka). *Current Research in the Pleistocene* 23:207–208.

2005 Paleoindian Database of the Americas: 2005 Status Report (second author with D. G. Anderson, S. J. Yerka, and M. K. Faught). *Current Research in the Pleistocene* 22:91–92

**Peer Reviewed Book Chapters**

n.d. Stratigraphic Context and Chronology of Plainview on the Southern Great Plains (third author with Vance T. Holliday and Eileen Johnson). In *Plainview: The Enigmatic Artifact Style of the Great Plains*, edited by Vance T. Holliday, Ruthann Knudson, and Eileen Johnson. The University of Utah Press, Salt Lake City. Submitted May 2016.

n.d. Plainview/Belen in the Rio Grande basin of Southern New Mexico, Northern Chihuahua, and Western Texas (third author with Vance T. Holliday, Natalia Martinez-Taguena, Ismael Sanchez-Morales, Christopher W. Merriman, Allison Harvey, Rafael Cruz, Alberto Pena, and John Seebach). In *Plainview: The Enigmatic Artifact Style of the Great Plains*, edited by Vance T. Holliday, Ruthann Knudson, and Eileen Johnson. The University of Utah Press, Salt Lake City. Submitted May 2016.

n.d. When the Levee Breaks: How an Ant Hill and a Deer on a Mound Made Us Re-think the Effect of the Younger Dryas (first author with Jesse W. Tune). In *The Archaeology of Everyday Matters*, edited by Phil Carr, Sarah Price, and Andrew Bradbury. The University Press of Florida, Gainesville. Submitted January 2016.

2015 Artifacts as Patches: The Marginal Value Theorem and Stone Tool Life Histories (second author with S. L. Kuhn). In *Lithic Technological Systems: Evolutionary Approaches to Understanding Stone Technologies as a Byproduct of Human Behavior*, edited by Nathan Goodale and William. Andrefsky. Cambridge University Press, Cambridge.

2013 Clovis across the Continent (lead author with Vance T. Holliday and Jordon Bright). In *The Paleoamerican Odyssey Conference*, edited by Michael R. Waters, Ted Goebel, and Kelly Graf. Center for the Study of the First Americans, Texas A&M Press, College Station, Texas.

2013 The Clovis Landscape (second author with Vance T. Holliday). In *The Paleoamerican Odyssey Conference*, edited by Michael R. Waters, Ted Goebel, and Kelly Graf. Center for the Study of the First Americans, Texas A&M Press, College Station, Texas.

2013 Paleoindian Chronology and the Eastern Fluted Point Tradition (lead author with J. A. M. Gingerich). In *The Eastern Fluted Point Tradition*, edited by Joseph A. M. Gingerich. University of Utah Press, Salt Lake City.

2013 Tennessee’s Paleoindian Record: The Cumberland and Lower Tennessee River Watersheds (third author with J. B. Broster, M. A. Norton, J. W. Tune, and J. D. Baker). In *The Eastern Fluted Point Tradition*, edited by Joseph A. M. Gingerich. University of Utah Press, Salt Lake City.

2013 An Overview of the Clovis Lithic Assemblage from the Topper Site, South Carolina (second author with A. M. Smallwood and D. Sain). In *The Eastern Fluted Point Tradition*, edited by Joseph A. M. Gingerich. University of Utah Press, Salt Lake City.

2012 Beyond Stages: Modeling Clovis Biface Production at the Topper Site (38AL23), South Carolina (lead author with A. M. Smallwood). In *Lithic Analysis: Problems, Solutions, and Interpretations*, edited by P. Carr, A. Bradbury, and S. Price. University of Alabama Press, Tuscaloosa.

**Book Reviews**

2016 *The Hogeye Clovis Cache*, by Michael R. Waters and Thomas A. Jennings, *American Antiquity* 81(4):774-775.

2013 *Crowfield (AFHJ-31): A Unique Paleoindian Fluted Point Site from Southwestern Ontario*, by D. Brian Deller and Christopher J. Dellis, *Lithic Technology* 38(2):128-130.

**Technical Reports**

2013 Class I Inventory and Class III Survey of Kinder Morgan Energy Partner's Pipe and Wash Crossing Repair Activities East of Vail, Pima County, Arizona. WSA Technical Report No. 2013-58. William Self Associates, Tucson.

2013 Class I Inventory and Class III Survey of Karen's Bat Cave and Surrounding Area, East of Vail, Pima County, Arizona. WSA Technical Report No. 2013-57. William Self Associates, Tucson.

2013 Class I Inventory and Class III Survey of the 36th Street Urban Wildlife Park, Tucson, Arizona. WSA Technical Report No. 2013-56. William Self Associates, Tucson.

2013 Gusher State Class I Inventory and Class III Survey for Proposed Drill Sites and Overland Route, North of Douglas, Arizona. WSA Technical Report No. 2013-55. William Self Associates, Tucson.

2013 Cultural Resources Inventory for the North Canyon Knapweed Chain Harrow Project, Juab County, Utah (second author with Brian McKee). WSA Technical Report No. 2013-47. William Self Associates, Tucson.

2013 Cultural Resource Inventory for the South Book Cliffs Vegetation Improvement Project, Grand County, Utah (first author with Brian McKee). WSA Technical Report No. 2013-46. William Self Associates, Tucson.

2013 Cultural Resources Inventory for the Spike Hollow Vegetation Enhancement Project, Beaver County, Utah. WSA Technical Report No. 2013-44. William Self Associates, Tucson.

2013 Cultural Resources Inventory for the Fillmore Fuels Treatment Project, Juab and Millard Counties, Utah (first author with M. Medeiros). WSA Technical Report No. 2013-42. William Self Associates, Tucson.

2013 Cultural Resource Inventory and Assessment of 19 Grazing Allotments managed by the Bureau of Land Management, Fillmore Field Office, and located in Juab and Millard Counties, Utah (second author with M. Medeiros). WSA Technical Report No. 2013-41. William Self Associates, Tucson.

2013 Red Hills 2013 Class I Inventory and Class III Survey of Proposed Drill Sites and Overland Routes, East of Florence, Arizona. WSA Technical Report No. 2013-37. William Self Associates, Tucson.

2011 Middle Mountain March 2011, Class I Inventory and Class III Survey of Proposed Drill Sites and Access Roads, Southeast of Florence, Arizona. WSA Technical Report No. 2011-17. William Self Associates, Tucson.

2011 Archaeological Mapping at the Pantano Townsite Conservation Area, Cienega Creek Natural Preserve, Pima County, Arizona, by Brandon M. Gabler, Alexa M. Smith, and D. Shane Miller. WSA Technical Report No. 2010-0512. William Self Associates, Tucson.

**Selected Papers Presented at Professional Meetings**

2016 The Mississippi Paleoindian and Early Archaic Point Database Redux. (Second author with Derek Anderson). Poster presented at the Annual Meeting of the Society for American Archaeology, Orlando, Florida April 2016.

2016 The 2015 Allendale Chert Quarry Survey: Methods and Preliminary Results. (Third author with Kelsey Meer, J. Ryan Young, and Albert C. Goodyear). Poster presented at the Annual Meeting of the Society for American Archaeology, Orlando, Florida April 2016.

2016 Late Pleistocene-Early Holocene Adaptations in the Lower Mid-South, United States. (First author with Jesse Tune and Ryan Parrish). Paper presented at the Annual Meeting of the Society for American Archaeology, Orlando, Florida April 2016.

2016 Stephen Carmody, D. Shane Miller, Thaddeus Bissett, Lydia D. Carmody and David G. Anderson—Secrets from Within the Shell: Exploring the Differences between Shell-Bearing and Shell-Free Deposits at 40DV307 along the Cumberland River, Tennessee, USA. Paper presented at the Annual Meeting of the Society for American Archaeology, Orlando, Florida April 2016.

2015 Preliminary Results of the Allendale Chert Quarry Survey in Allendale County, South Carolina (Second author with Kelsey Meer, Al Goodyear, and Ryan Young. Paper presented at the Southeastern Archaeology Conference, Nashville, TN, November 2015.

2015 When the Levee Breaks: How an Ant Hill and a Deer on a Mound Made Us Re-think the Effect of the Younger Dryas (First author with Jesse Tune). Paper presented at the Southeastern Archaeology Conference, Nashville, TN, November 2015.

2015 A Spatial Analysis of Clovis Biface Production at the Topper Site, South Carolina (first author with Derek Anderson, Ashley Smallwood, Al Goodyear, Kelsey Meer, and Ryan Young). Paper presented at the First Floridians Conference, Monticello, Florida, October 2015.

2015 The Pleistocene-Holocene Transition in the Tennessee and Cumberland River Valleys of the Mid-South United States. Paper presented at the Annual Meeting of the Society for American Archaeology, San Francisco, CA April 2015.

2014 Colonization after Clovis: The Ideal Free Distribution and the Early Holocene Expansion in the Lower Mid-South (first author with Stephen Carmody). Paper presented at the Society for American Archaeology Annual meeting in Austin, TX, April 2014.

2013 Colonization after Clovis: The Ideal Free Distribution and the Early Holocene Expansion in the Lower Mid-South (first author with Stephen Carmody). Paper presented at the Southeastern Archaeological Conference, Tampa, FL, October 2013.

2013 Archaic and Woodland-Period Occupations at Bells Bend: Exploring Transitions between Shell-Bearing and Shell-Free Deposits at 40DV307 along the Cumberland River (fourth author with S. B. Carmody, T. G. Bissett, L.D. Dorsey, and L. Welch). Paper presented at the Southeastern Archaeological Conference, Tampa, FL, October 2013.

2013 A Summary of 2010 and 2012 Fieldwork at 40DV307, an Archaic/Woodland Multicomponent Occupation at Bells Bend (third author with S. B. Carmody, T. G. Bissett, and D. G. Anderson). Paper presented at the Current Research in Tennessee Archaeology annual meeting in Nashville, TN, January 2013.

2012 Examining Paleoindian and Archaic Subsistence Trajectories in the Mid-South (lead author with T. G. Bissett and S. B. Carmody). Paper presented at the Society for American Archaeology Annual meeting in Memphis, Tennessee, April 2012.

2011 Probabilities and Accidents, or Why Behavioral Ecology Needs a Little Chaos. Paper presented at the annual meeting of the Southeastern Archaeological Conference in Jacksonville, Florida, October 2011.

2011 Rivers, Rocks and Eco-Tones: Modeling Clovis Landscape-Use in the Southeastern United States. Paper presented at the Society for American Archaeology Annual meeting in Sacramento, California, April 2011.

2011 Re-Conceptualizing Clovis Mobility: Sites and Projectile Point Distributions in North America (second author with D. T. Anderson and W. R. Haas). Paper presented at the Society for American Archaeology Annual meeting in Sacramento, California, April 2011.

2010 Paleoindian Chronology and the Eastern Fluted Point Tradition (lead author with J. A. M. Gingerich and E. N. Johansson). Paper presented at the 75th Annual Meeting of the Society for American Archaeology, St. Louis.

2010 An Overview of the Clovis Lithic Assemblage from the Topper Site, South Carolina (second author with A. M. Smallwood and D. Sain). Paper presented at 75th Annual Meeting of the Society for American Archaeology Annual meeting in St. Louis.

2009 Beyond Stages: Modeling Clovis Biface Production at the Topper Site (38AL23), South

Carolina. Paper presented at the annual meeting of the Southeastern Archaeological Conference in Mobile, Alabama.

2009 Paleoindian Settlement in the American Southeast: A GIS-based Approach to Identify Potential Aggregation Loci (lead author with A. M. Smallwood). Paper presented at the Society for American Archaeology Annual meeting in Atlanta, Georgia, April 2009.

2009 Biface Technology at the Topper Site: Explaining Variation and Implications for Mobility (second author with A. M. Smallwood). Paper presented at the Society for American Archaeology Annual meeting in Atlanta, Georgia, April 2009.

2008 Recovery Biases in the Paleoindian Database of the Americas, or How to Not Throw the Baby Out with the Bathwater. Paper presented at the Annual Meeting of the Southeastern Archaeological Conference, Charlotte, North Carolina.

2008 A Spatial Analysis of Biface Reduction at the Topper Site, South Carolina (second author with A.M. Smallwood). Paper presented at the annual meeting of the Southeastern Archaeological Conference in Charlotte, North Carolina.

2007 Paleoindian Research in the Southeast: Examples Using PIDBA (Paleoindian Database of the Americas) (third author with D. G. Anderson, J.C. Gillam, E.N. Johanson, J. O’Donoughue, M.K. Faught and S. J. Yerka). Paper presented at the annual meeting of the Southeastern Archaeological Conference in Knoxville, Tennessee.

2007 Redstone Revisited: Insights into a Possible Post-Clovis Demographic Collapse in the Southeastern United States (second author with A. G. Goodyear). Paper presented at the annual meeting of the Southeastern Archaeological Conference in Knoxville, Tennessee.

2007 The Earliest Tennesseans: The Paleoindian and Early Archaic Periods in Tennessee (>14,000–9000 cal BP) (lead author with K E. McMillan, J. D. Baker, and J. B. Broster). Paper presented at the Annual Meeting of the Southeastern Archaeological Conference, Knoxville, Tennessee.

2007 Exploring Intra-Site Organization of the Clovis Assemblage from Topper, South Carolina (with A C. Goodyear). Paper presented at 72nd Annual Meeting of the Society for American Archaeology Annual meeting, Austin.

2006 Estimating Pleistocene Shorelines and Land Elevation for North America (fourth author with C J. Gillam, D. G. Anderson, and S. J. Yerka). *Current Research in the Pleistocene* 23:207–208.

2005 Paleoindian Database of the Americas: 2005 Status Report (second author with D. G. Anderson, S. J. Yerka, and M. K. Faught). *Current Research in the Pleistocene* 22:91–92.

**Service**

*External*

Book Review Editor, *Lithic Technology* (Taylor and Francis)

Series Co-Editor, *Occassional Papers of the Southeastern Paleoamerican Survey* (South Carolina Institute of Archaeology and Anthropology

Articles reviewed for the *Journal of Archaeological Science*, *WIREs Water*, *American Antiquity (5)*, *Journal of Field Archaeology*, *Journal of Island and Coastal Archaeology (2), Lithic Technology*, *PaleoAmerica* (2), *PLOS ONE*, *Proceedings of the National Academy of Sciences*, and *Southeastern Archaeology*.

Grants Proposal reviewed for the National Geographic Society and the National Science Foundation.

*University*

Honor Code Council, Faculty Senate

*Departmental*

Undergraduate Co-Advisor (2016-Present); Recruitment Committee (2014-Present); Anthropology Club Faculty Advisor (2014-2015)

**Organizations**

Society for American Archaeology, Southeastern Archaeological Conference, Tennessee Council of Professional Archaeologists, Mississippi Archaeological Association, Mississippi Association of Professional Archaeologists

**Skills**

*Language -* Portuguese, Spanish – some spoken and written, basic knowledge

*Computer -* Above average skills with web design, ESRI ArcGIS, Adobe Creative Suite, and many other statistical and graphical software packages. Webmaster for multiple academic websites since 2003.

**References**

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| Dr. Vance T. Holliday  School of Anthropology and Department of Geosciences  University of Arizona  P.O. Box 210030  Tucson, AZ 85721  Phone: (520) 621-2585  Email: vthollid@email.arizona.edu | Dr. Steven L. Kuhn  School of Anthropology  University of Arizona  P.O. Box 210030  Tucson, AZ 85721  Phone: (520) 621-2585  Email: slk@email.arizona.edu |
| **Dr. David G. Anderson**  Department of Anthropology University of Tennessee 1425 South Stadium Drive  Knoxville, TN 37996-0720  Phone: (865) 974-2960 Email:[dander19@utk.edu](mailto:dander19@utk.edu) |  |