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CLASSIC CENTER FLOOR PLAN

Conference Rooms

SPECIAL THANKS

Level One

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PREFACE AND ACKNOWLEDGEMENTS

Victor Thompson
SEAC 2016 Meeting Organizer
## SEAC AT A GLANCE

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GENERAL INFORMATION

REGISTRATION
Upper Elevator Lobby at the Classic Center

Wednesday 4:00—7:00 pm
Thursday 8:00 am—4:00 pm
Friday 8:00 am—4:00 pm
Saturday 8:00 am—10:00 am

BOOKS & EXHIBITS
Athena E

Wednesday (setup only) 4:00 pm—7:00 pm
Thursday 8:00 am—5:00 pm
Friday 8:00 am—5:00 pm
Saturday 8:00 am—2:00 pm

CONCESSIONS

Breakfast, Lunch, Snacks, and Drinks (including cash bar on Friday)

Classic Center Atrium, Thursday 8AM to 2PM and Friday 8AM to 5PM
SPECIAL EVENTS SCHEDULE

WEDNESDAY
pXRF Workshop at UGA’s Center for Applied Isotope Studies—8am-5pm
12,000 Years in 45 Minutes: An Evening with Scott Jones—The Foundry at Graduate Athens —5:30pm-7:30pm
SEAC Board Meeting — The Branded Butcher —6pm-8pm
SEAC Historic Downtown Pub Crawl —Starts at Little Kings Shuffle Club— 5pm-7:30pm

THURSDAY
Foundations of Photography and Photogrammetry for Archaeologists—Athena A—8am-12pm
Student Luncheon—Oconee River Room—12pm-1:30pm
Student Reception—The Foundry at Graduate Athens—5:00pm-6:00pm
Great Spirits of SEAC (Concurrent with Reception)—The Foundry at Graduate Athens—6pm-8pm
General Reception with String Theory Band—The Foundry at Graduate Athens—6pm-8pm

FRIDAY
Bayesian Chronological Modeling Workshop— Baldwin Hall, Room 264 —8am-5pm
SEAC Story Corps—Classic Center’s Athena F—8am-12pm and 1pm-5pm
SEAC Business Meeting—Classic Center’s Grand Hall—5:30pm-6:45pm
SEAC Dance—Classic Center’s Atrium Hall—9pm-12am

SATURDAY
SGA’s Georgia, Can You Dig It? A Georgia Archaeology Faire—Horseshoe in front of Classic Center—8am-2pm
Saturday Evening Wind Down—Little Kings Shuffle Club—4-7pm
PROGRAM

THURSDAY MORNING

Workshop: Foundations of Photography and Photogrammetry for Archaeologists—Athena A—8am-12pm

OLYMPIA ONE

[1] Symposium: Shaping the Present by Researching the Past; Celebrating the Life and Influence of Dr. Joan Gero
Organizers: Jodi Barnes and Ruth Trocolli

8:00  Trocolli, Ruth, Sociopolitics and Southeastern Chiefdom Studies

8:20  Judge, Christopher, This is not Father Earth and they are not called The Three Brothers: Women, War Woman, WARP, and WAC

8:40  Barnes, Jodi, Public Archaeology as Feminist Archaeology: Remembering Dr. Joan M. Gero

9:00  Stine, Linda, Engendering Historical Archaeology: 1990-2016

9:20  Babson, David, Always Ask a Question, David! Remembering Dr. Joan Gero

[2] Symposium: Archaeology along the Lower Cape Fear River: Ten Years of Archaeological Investigations at the Riverlights Development Tract in Wilmington, North Carolina
Organizers: William Green, Natalie Adams Pope, and Tracy Martin

8:00  Green, William, From Kirk Points to Tar Kilns and Nearly Everything in Between: 10,000 Years of Human Occupation at the Riverlights Development Tract

9:00  Branch-Raymer, Leslie and Mary Theresa Bonhage-Freund, Early Archaic to Late Woodland Period Resource Utilization, Local Ecology, and Settlement/Subsistence Patterns: A View from the Paleoethnobotanical Study, Riverlights Development Tract, New Hanover County, North Carolina

9:20  Smith, Steffanie and Leslie Branch-Raymer, Bones, Shells, and Seeds: Zooarchaeological and Paleoethnobotanical Assessment of Archaic through Late Woodland Period Subsistence at Five Sites within the Proposed Riverlights Development, New Hanover County, North Carolina

9:40  Martin, Tracy and Pam Enlow, Ceramics and Radiocarbon Dates from the Riverlights Tract

11:00  Adams-Pope, Natalie, Tracy Martin, and William Green, Blacksmithing for Fun and Profit: Archaeological Investigations at 31NH755

OLYMPIA TWO

Organizers: Jennifer Birch and Victor D. Thompson

8:00  Thompson, Victor D. and Jennifer Birch, The Compelling Power of Villages in Eastern North America

8:20  Birch, Jennifer and Ronald F. Williams, Initial Northern Iroquoian Coalescence: Who Pushed the Process?

8:40  West, Shaun, Thomas Pluckhahn, and Martin Menz, Size Matters: Kolomoki (9ER1) and the Power of the Hypertrophic Village

9:00  Sanger, Matthew, Communal fidelity to place and the formation of early villages

9:20  Sullivan, Lynne, The Path to the Council House: The Development of Mississippian Communities in Southeast Tennessee

9:40  Gallivan, Martin, All the King’s Houses and All the King’s Men: The Power of Villages in the Powhatan Chiefdom

10:00  Break
10:20  **Cook, Robert,** *The Village Remains the Same: The Case of the Fort Ancient Village*  

10:40  **Jeffries, Dick,** *Population Aggregation and the Emergence of Circular Villages in the Southern Appalachian Region*  

11:00  **Jones, Eric,** *Outside Looking In: The View of Piedmont Village Formation from the Upper Yadkin River Valley*  

11:20  **Wallis, Neill,** *Powers of Place in the Predestined Middle Woodland Village*  

11:40  **Wilson, Gregory and Amber VanDerwarker,** *War, Power, History: Mississippian Village Formation in the Central Illinois River Valley*  

12:00  Lunch  

1:00  **Jordan, Kurt,** *From Nucleated Towns to Dispersed Networks: Transformations in Seneca Iroquois Community Structure, circa 1650-1779 CE*  

1:20  **Horsley, Timothy J. and Casey R. Barrier,** *The Power of Places during an Era of Urban Transformations in the American Bottom: A Regional Perspective for the Development of Village, Town, and City*  

1:40  **Anderson, David G.,** Discussant  

2:00  **Cobb, Charlie,** Discussant  

**PARTHENON ONE**  

*[4] Symposium: A Ritual Gathering: Celebrating the Work of Cheryl Claassen*  

Organizers: Alice Wright and Maureen Myers  

8:00  **Wright, Alice,** Scholar, Mentor, Pioneer: Cheryl Claassen's Contributions to Southeastern Archaeology  

8:20  **Barbour, Terry,** *A Long String of History: Shell Beads in the Mississippian Southeast*  

8:40  **Goodwin, Joshua,** *Exploring the Ritual Significance of Avian Remains Recovered from Shell Mound (8LV42)*  

9:00  **Kimball, Larry,** *Why are Hopewell Blades Special?*  

9:20  **Randall, Asa,** *Hero Twins and Archaic Mortuary Traditions in Northeast Florida*  

9:40  **Peres, Tanya,** Deciphering Archaic Bundles in the Archaeological Record of the Southeastern US  

10:00  Break  

10:20  **Bissett, Thaddeus and Stephen Carmody,** *Changing channels: Considering the effects of river channel migration on shell-bearing site histories*  

10:40  **Stevens, Karen and Anna-Marie Casserly,** *Difficulties in Determining Gendered Activities from WPA Collections: An Investigation of Individuals from the Kirkland site (15McL12)*  

**PARTHENON TWO**  

*[5] Symposium: Of Roads and Ruins: Georgia Department of Transportation (GDOT) Contributions to Georgia Archaeology*  

Organizers: Pamela Baughman  

8:00  **Jones, Joel, Pamela Baughman, and Tom Gresham,** *A Multi-Phased Approach to a Highway Survey in Mountainous North Georgia and the Diverse Resources Encountered*  

8:20  **Greshman, Tom,** *The Archaeology of a Large, Linear Battlefield*  

8:40  **Tankersley, Matthew,** *Walking the Banks: Complexities of Georgia’s Rice Landscape*  

9:00  **Mustonen, Heather,** *The New Echota Traditional Cultural Place: Section 106 Consultation and the SR 225 Bridge Replacement Project, Gordon County, Georgia*  

9:20  **Joseph, J.W. and Brad Botwick,** *Making the Past Public: Outreach and Research from the Abercorn Archaeological Site Mitigation, 9CH1205*  

9:40  **Patch, Shawn,** *Just Scratching the Surface: Geophysical Survey at the Georgia Department of Transportation*  

10:00  Break  

10:20  **Moss, Richard,** *Intensive Survey in McLemore Cove, Georgia Explores Late Archaic-Early Wood-
73rd Annual Meeting, Athens, Georgia

ATHENA B


8:00 Powis, Terry, Leslie Branch-Raymer, Amber Avery, and Mary Theresa Bonhage-Freund, Evidence of Mississippian Period Premaize Gardening in Georgia: A View from the Dabbs Site 8:40 Johanson, Jessie, Reconstructing Mississippian Identity: A Household Analysis of Foodways at the Townsend Site 9:00 Peacock, Evan, Joseph Mitchell, and C. Andrew Buchner, Freshwater Mussel Shell Biogeography at a Woodland-Period Site on the Yazoo River, Mississippi 9:20 Quitmyer, Irvy and Carol E. Colaninno, Small Tails: The Zooarchaeological Record of 5000 years of Shrimping along the Georgia Bight. 9:40 Greenlee, Diana A. James Delahoussaye, and Karen L. Leone, Poverty Point Subsistence: Current Status and Future Directions 10:00 Break 10:20 Briggs, Rachel, Communities of Practice of the Hominy Foodway During Early Moundville 10:40 Zierden, Martha, Barnet A. Pavao-Zuckerman, Elizabeth J. Reitz, and Bruce L. Manzano, What is this bird? The quest to identify parrot remains from the Heyward-Washington House, Charleston, South Carolina

11:00 Schnitzer, Laura Kate, Wetland Archaeology on the Pierpont Mitigation Tract 11:20 Carter, Andrew, Ashley Smallwood, Pamela Baughman, Jennifer Teeter, and Thomas A. Jennings, From Shed to Head: Sharing Stories, Inclusivity, and Student Engagement through the Long Swamp Exhibit 11:40 Baughman, Pamela, Overview of GDOT Archaeology and its contribution to Georgia Archaeology

ATHENA C


Tequesta Settlement Chronology through Geochemical Analysis of Calcretes

10:40 Beasley, Virgil, Archaeological Endeavors at Old Cahawba Archaeological Park, Alabama, 2016

11:00 Seibert, Michael and Michelle Gray, Geophysical Prospection in Ninety Six National Historic Site: Rediscovering the town of Cambridge

ATHENA D

[8] General Session: Cherokee Studies

8:00 Morse, Leah and Jay D. Franklin, A Preliminary Analysis of the 15th-Century Ceramic Assemblage from the Cane Notch Site

8:20 Shreve, Nathan, A Case Study of Ceramic Hybridity from a burned Household of the Contact-Era Middle Nolichucky Valley

8:40 Eastman, Jane, Settlement History at 31JK1, Cullowhee Mound

9:00 King, Megan, Roger Cain, and Shawna Cain, Split-cane Technology: An Experimental Ethnoarchaeological Approach

9:20 Hill, William, Stone Tool Production during the English Contact Period: An Analysis of the Materials from Five Cherokee Households in Western North Carolina (A.D. 1690-1740)

9:40 Bowne, Eric, The Secretary and the Devil's Clerk: Christian Priber, James Adair, and Southeastern Indian Ethnohistory

10:00 Mason, Emma, GIS on the Qualla Boundary: Data Management for the Eastern Band of Cherokee Indians THPO

ATHENA E

[9] Poster Session 8:00 am—noon

9.1 Hanvey, Vanessa N., Characterizing the Archaic Period along the Flint and Chattahoochee River Valleys

9.2 Neusius, Sarah, Bonnie Styles, Beverley Smith, Preservation and Accessibility of Archaic Period Faunal Datasets

9.3 Styles, Bonnies, Mona Colbern, and Sarah Neusius, Exploring Comparability in the Eastern Archaic Faunal Working Group tDAR Databases

9.4 Crothers, George, Scott Rivas, Renee Walker, Tanya Peres, Bonnie Styles, Finding the “X” Factor: Defining Environmental Demographic and Cultural Influences on Aquatic Resources during the Eastern Archaic

9.5 Patchen, Anna and Stephen Carmody, Archaic Plant Use in Western Tennessee: Preliminary Data from the PEARL Project

9.6 Maggard, Greg, Justin Carlson, Daniel Sea, Gary Stinchcomb, Middle Archaic Lifeways in the Holocene Climate Optimum: a View from Ireland Cave, Kentucky


9.8 Merrick, Megan and Tanya Peres, Artifact Analysis of Two Archaic Pits

9.9 Cajigas, Rachel, Matthew Sanger, and Victor D. Thompson, Cross-Mended Ceramic Sherds as a Proxy for Depositional Processes at Two Late Archaic Shell Rings in Coastal Georgia

9.10 Loughlin, Michael, Steven Ahler, Tyler Stumpf, Sophia Jamaldin, An Early to Middle Archaic Base Camp Overlooking the Cumberland River in Trigg County, Kentucky

9.11 Teague-Tucker, Megan, Wesley Snyder, James Bomba, and Stephanie Nolen, Investigating a Relationship Between Burial Position and Maternal Death in Sea Island, Georgia

9.12 Nolen, Stephanie, James Bomba, Wesley Snyder, Megan Teague-Tucker, Possible Effects of Traumatic Injury in Childbirth: A Case Study from Sea Island, Georgia

9.13 Swisher, Kimberly L., Turner Hunt, Nathan Hale, Judge Jones, Megan Anne Conger, Jen Birch, Stefan Brannan, Changes in Activities during the Middle Occupational Phase at Singer-Moye, ca. AD 1300-1400

9.14 Carter, Jaimie, David Howington, Shelby Reed,
Adam Coker, Jen Birch, Stefan Brannan, Investigating the Use-Life of a Mississippian Structure at Singer-Moye

9.15 Luthman, Sarah, Chris Dial, Claire Lutrick, Jim Rooks, Stefan Brannan, Jen Birch, Chasing the Palisade: Identifying Social Spaces at Singer-Moye 1:40

9.16 Murray, Bridget, A GIS Analysis of Mississippian Habitation in the American Bottom, USA 2:00


9.18 Rathgaber, Michelle, Excavation at an Earthquake Impacted Site 2:40

9.19 Ledford, Kelly and Tanya Peres, Show Us Your (Turkey) Legs: Crowdsourcing Data to Document Wild Turkey Population Management in the Southeastern US 2:40

9.20 Walker, Campbell M., From Profane to Sacred: European Materials Integration into Native American Cosmology 3:00

9.21 Nelson, Ted Clay, Soil Resistivity Survey of the Hightower Village Site (1Ta150), Sylacauga, Alabama 3:20

9.22 Grap, Rachel Michelle, Archaeological Geophysics and Ceramic Analysis of Rotherwood, a Mississippian Site in Northeast Tennessee 3:40

9.23 Pentz, Hannah, A Comparison of Infant and Juvenile Burials at Carson Mounds 4:00

9.24 Haley, Bryan, Geophysical Survey at 41AN201: A Test Case for Delineating Caddo Burials 4:20

THURSDAY AFTERNOON

Student Luncheon — Oconee River Room — 12pm-1:30pm

[10] General Session: Landscapes

1:00 Cyr, Howard, A Geoarchaeological Approach to Site Distributions and Settlement Patterns Along the Little Tennessee River, East Tennessee

1:20 Lowry, Sarah, Shawn Patch, and Lynne Sullivan

9.25 van, A New Look at Ledford Island: Mapping a Late Mississippian Village With Near Surface Geophysics

9.26 Sherwood, Sarah, Alice Wright, Stephen Carmony, Edward Henry, Casey Barrier, and Christopher Van de Ven, The Pinson Environment and Archaeology Regional Landscape Project (PEARL)

9.27 Lockhart, Jami J., An Examination of Life on a Terminal Mississippian Frontier

9.28 Hammond, Michelle, Predictive Modeling of Prehistoric Settlement Patterns in the Yazoo Basin During the Woodland Period (500 B.C. - 800 A.D.) Using GIS and “R”

9.29 Thornock, Christopher, Considering Performance and Indigenous Worldviews in the Multiple Landscapes of Mound B: Exploring Complementary Interpretive Frameworks at the Hollywood Site (9RI1)

Break

9.30 Howell, Cameron, Mississippian Conflict and the Role of the Fission-Fusion Process: An Example from East Tennessee

9.31 Coughlan, Michael and Donald Nelson, Human niche construction and legacy effects at the Calhoun CZO: The relationship of land use legacies and historical settlement patterns.

9.32 Whitacre, Stacey, Scott Butler, and James M. Page, Conflict Archaeology in a Modern Urban Environment: Finding the Battle of Atlanta

9.33 Loubser, Johannes and Joel Logan, An Assessment of Stone Piles in Georgia, with Special Reference to Jackson County

OLYMPIA 2


Organizer: Carla Hadden

2:40—5:00pm

Adovasio, James M.
Loftis, Kathy
Hadden, Carla
PARTHENON ONE

[12] Symposium: Coles Creek Archaeology
Organizers: Daniel A. LaDu and Megan Kassabaum

1:00 Weinstein, Richard A., Douglas C. Wells, and Joanne Ryan, Coles Creek in the Tensas Basin of Louisiana: A Brief Update of the Past 20 Years of Research

1:20 Kowalski, Jessica, The Coles Creek-Plaquemine Transition in the Southern Yazoo Basin

1:40 LaDu, Daniel, The Coles Creek Interaction Sphere

2:00 Meeks, Scott C., Keith J. Little, Hunter B. Johnson, and Kandace R. Hollenbach, Migration, Coalescence, and Mississippian Developments in the Yazoo Basin: Perspectives from a Non-Mound Site

2:20 Steponaitis, Vincas, Megan Kassabaum, Ashley Peles, and John O'Hear, Coles Creek Mound Summits and Their Uses

2:40 Reamer, Justin, Chandler Burchfield, and Ben Davis, Mound Floors, Post Holes, and Wall Trenches: Structural Remains from the 2016 Excavations at Smith Creek

3:00 Jackson, Edwin, Faunal Remains from Feltus and Aden: New Evidence for Coles Creek Animal Use

3:20 Funkhouser, Lynn and Daniel LaDu, Faunal Procurement at the Mazique Site (22Ad502): A Late Coles Creek Period Mound and Plaza Center in the Natchez Bluffs Region

3:40 Graham, Anna, Alexandria Mitchem, and Justin Reamer, Across Space and Time: Plant Usage at the Smith Creek Site

4:00 Terry, Ashley and Megan Kassabaum, The Value of Collaboration: Assessing the Utility of Avocational Archaeology at Smith Creek

4:20 Fritz, Gayle, Discussant

4:40 Kidder, Tristram, Discussant

5:00 Steponaitis, Vincas, Discussant

PARTHENON TWO

[13] Symposium: Current Studies of Submerged Paleoindian and Archaic Period Sites in Florida
Organizer: Ervan Garrison

1:00 Halligan, Jessi, Submerged early Archaic sites in the Aucilla River: what can they tell us about paleoenvironments and early cultures?

1:20 Garrison, Ervan, Geoarchaeology Underwater and its Challenges – An Example from Florida, the Ecofina Paleo-Channel Site

1:40 Perrotti, Angelina, Late Quaternary Paleoenvironmental Change at the Page-Ladson Site (8JE591), Florida: A Palynological Perspective

2:00 Cook-Hale, Jessica, What's past is prologue: contexts and connections between single and multiple component submerged prehistoric archaeological sites, Apalachee Bay, Florida

2:40 Smith, Morgan, An Update on Geoarchaeological Investigations at the Ryan-Harley Site (8JE1004), Wacissa River, Florida

2:40 Burke, Adam, Moving Towards Discrete Provenance: Preliminary Results of Neutron Activation Analysis (NAA) on Coastal Plains Cherts from Florida

3:00 Break

3:20 Hemmings, Andrew, The Paleoindian Archaeology of Sloth Hole (8JE121) and selected sites in the Aucilla River System

3:40 Duggins, Ryan and Franklin Price, A drowned prehistoric burial site in the Gulf of Mexico
ATHENA A
Organizer: Gregory A. Waselkov

1:00 Waselkov, Gregory and Craig Sheldon, Redstick Creek Log Cabins at the Holy Ground
1:20 Little, Keith and Hunter B. Johnson, European Influences on Choctaw Architecture
1:40 Webb, Paul, Cherokee Cabins at Hickory Log
2:00 Dumas, Ashley, Slave-Built Log Cabins in the Southeast
2:40 Blakney-Bailey, Jane Anne, King Payne’s Log Cabin: Historical and Archaeological Accounts of a Seminole Settlement
3:00 Break
3:20 Riggs, Brett, “…small log huts, too insignificant to need a description”: Cherokee Domestic Spaces in the North Carolina Mountains, 1820-1860
3:40 Steere, Benjamin, Discussant

2:20 Medeiros, Cassandra, Lost Lightnin’: Moonshine in Alabama as Represented in the Archaeological Record
2:40 Ogden, Quinn-Monique, The Clinker of Cainhoy: The Excavation and Analysis of Household Forge at Oak Bluff, Berkeley County, South Carolina

[16] General Session: Public Archaeology and Education

3:20 Murray, Emily J., Community Engagement through St. Augustine Archaeology Pub Crawls
3:40 Daniel, Randy, Don’t Let Ethics Get in the Way of Doing What’s Right: Professional and Avocational Collaboration in North Carolina

4:00 Colaninno, Carol, Advancing Archaeology through K-12 STEM Education
4:20 Miller, Sarah, Kevin Gidusko, and Emily Jane Murray, Heritage Monitoring Scouts (HMS Florida): Engaging the Public to Monitor Heritage at Risk
4:40 Miller, Megan and Terry Hooker, How Archaeology Can Change a Small Town

ATHENA B


1:00 Baumann, Timothy, Knoxville Unearthed: Archaeology in the Heart of the Valley
1:20 Ferguson, Terry, Chad Long, and Bill Jurkelski, An Over Century-Old Plank and Frame Dam Across Lawson’s Fork Creek at Glendale, South Carolina
1:40 Balco, William, Spanning Past and Present: Archaeological Testing of the Yahoola High Trestle in Dahlonega, Georgia
2:00 French, Kirk, Where the Devil Don’t Stay: Quantifying Moonshine Production in Western North Carolina
2:20 Bezemek, Eric, Shoreline Erosion and the Lost Colony of Roanoke
2:40 Jackson, Kendal, The Pollen Record at Crystal River Site: Reconstructing Environmental Change, Site History, and Plant Use at a Woodland-Period Mound Center on Florida’s Big Bend Coast
3:00 McFadden, Paulette S., Refining the “Nature” of Human-Environment Relationships on the Northern Gulf Coast of Florida
3:20 Cochran, Lindsey, Near-Historic Sea Level Rise and Shoreline Changes on Sapelo Island, Georgia

[18] Lightning Round: Outside the Grid: Thinking Beyond the Basics of Public Outreach
Organizer: Sarah Nohe
3:00—5:00pm

Bragg, Rachel 
Green, Jennifer 
Harrenstein, Tristan 
Elliot, Rita 
Ayers-Rigsby, Sara 
Kangas, Rachael 
O’Sullivan, Rebecca 
Amundsen, Colin 
Kemp, Kassie 

ATHENA D

[19] General Session: Bioarchaeology of the Southeast

1:00 Freund, Kyle, Exploring Historic Florida Burial Traditions through Community Engagement

1:20 Matternes, Hugh, Leaving Atlanta: Post-Mortem Migration as Recorded in African-American Grave Markers

1:40 Clark, Ryan, Prentice Thomas, James Mathews, and Jan Campbell, 8VO9454: Investigations of Human Remains from the Burial Ground at Florida Hospital DeLand

2:00 Sawyer, Johann and Charles Cobb, Mississippi Mortuary Practices in the Nashville Basin: An Analysis of the Iconography and Mortuary Assemblage at the Averbuch Site (40DV60)

2:20 Ross-Stallings, Nancy, Visualizing the Infant as a Social Being: Mortuary Practices Through Time on the Mississippi Delta

2:40 Johns, S. Lee, Caracas and the Mortuary Mounds of Mayport, Florida: The 2016 UNF Field School

3:00 Donop, Mark, Entangled Ancestor(s): The Palmetto Mound (8LV2), Levy County, Florida

ATHENA E

[20] Poster Session: 1:00—5:00pm

20.1 Griffin, Matthew W., Jay C. Blaine, and Timothy G. Baugh, Trade Guns and Thimbles

20.2 Moody, Adam, Chronology, Continuity, and Community: An Analysis of 268 Early Historic Chickasaw Vessels

20.3 Rupp, Andrea, Kimbrough, Rhonda, and Michael Seibert, Fort Gadsden and the Struggle for Empire

20.4 Lew, Emily, Palisade Construction and Comparisons of Fort Germana

20.5 Roberts, Timothy, More Dam Questions: Preliminary Investigations at Butler’s Mill

20.6 Stager, Jeremiah, Using 3D Modeling to Accurately Recreate a Village

20.7 Templin, Robert and Elliot Blair, Diachronic Patterns in Black Glass Trade Beads: Evidence from Mission Santa Catalina de Guale

20.8 Messer, Haley, An Analysis of Cultural Materials from Mission San Lorenzo de Ivitachuco

20.9 Witcher, Colette, Archaeology, Heritage, and Memory: Settlement Patterns of the Gullah-Geechee on Sapelo Island, Georgia

20.10 Padula, Katherine, Re-Placing the Plantation Landscape at Yulee’s Margarita Plantations, Homosassa, Florida

20.11 Gray, Michelle and Meredith Hardy, Sankofa: A concept reinterpreted through archaeological investigations at the Danish West Indies and Guinea Company Warehouse Complex

20.12 Bubp, Rebecca and Alan May, Holly Bend: The Old Kitchen and Dependence

20.13 McBride, Stephen, Kim McBride, George Crothers, Phil Mink, and Jeff McDonald, Archaeology of Civil War Photography and Stencil Cutting at Camp Nelson, KY

20.14 Johnston, Janene, Kinison, G. Llew, Bulwarks at Natural Bridge: A Systematic Study of Two Civil War Earthworks from the Defense of Tallahassee

20.15 (Trip) Smith III, McCallie, Virgil Beasley, Anthropological Approach to the American Civil War

20.16 Selden, Robert, Chrisian Hoggard, Sarah Stark, Kersten Bergstrom, Citation Networks as Archaeological Epistemology: A Case Study from Geometric Morphometrics

20.17 Blanton, Dennis and Daniel Sumner, Astronom-
ical Observation and Application of a Standardized Measure in the Layout of a Mississippian Mound Center: New Evidence from Southwestern Georgia

THURSDAY EVENING

Student Reception—The Foundry at Graduate Athens—5:00-6:00pm

Great Spirits of SEAC—The Foundry at Graduate Athens (Concurrent with Reception) — 6:00pm-8:00pm

General Reception -The Foundry at Graduate Athens—6:00-8:00pm

FRIDAY MORNING

Bayesian Chronological Modeling Workshop—Baldwin Hall 264 —8am-5pm

SEAC Story Corps—Classic Center’s Athena F—8am-12pm

OLYMPIA ONE

[21] Tribal Consultation Discussion Panel

8:00 Bird, Sheila, Cherokee Nation

8:20 Oosahwee-Voss, Eric, United Keetoowah Band of Cherokee Indians

8:40 Butler, RaeLynn, Muscogee (Creek) Nation

9:00 Langley, Linda, Coushatta Tribe of Louisiana

9:20 Celestine, Bryant, Alabama-Coushatta Tribe of Texas

[22] Symposium: A Marksist Archaeology: Celebrating the Legacy of Mark Williams from the Oconee Valley to Far Beyond

Organizer: Thomas Pluckhahn

10:20 Pluckhahn, Thomas, Introduction to a Marksist Archaeology; Swift Creek at a Human Scale

Wood, M. Jared, Terra incognita

11:00 Elliot, Daniel, Mark in the Dark: Gestational Archaeology from the Greensboro Fieldhouse to Bunny Hop Trail to Marshall’s Settlement (1976-1986)

Gougeon, Ramie, A Chicken on Every Pot: Curious Avian Ceramic Vessels on the Gulf Coast

11:20 Stephenson, Keith and Karen Smith, Swift Creek in Space and Time

Lunch

12:00 Turck, John and Victor D. Thompson, 86 Percent Science, 32 Percent Fun

1:00 Steere, Benjamin, What Mark Williams Taught Us about Teaching

1:20 Meyers, Maureen, Archaeological and Ethnohistoric Evidence of the Mississippian Polity of Lamar

Cutts, Russell B., Beyond Square Holes: rhyme and reason for edge-pushing in archaeological science

1:40 Chamblee, John, Testing the Limits of Our Data: A reconsideration of prehispanic Muskogean language diversification in the light of archaeological, ethno-historic, and linguistic evidence.

2:00 King, Adam, Sympathy for the Devil’s Advocate: A Consideration of the Rattlesnake Gorgets of Eastern Tennessee

2:20 Break

2:40 Compton, Matthew, Cape Wearers of the Southeast: Feather Mantles and their Archaeological Correlates

2:40 Markin, Julie, X “Marks” the Spot

3:00 4:00 Kowalewski, Stephen, Discussant

3:20 Hally, David, Discussant

3:40 Williams, Mark, Discussant

OLYMPIA TWO

[23] Symposium: Current Research in Southeastern Bioarchaeology

10:20 Pluckhahn, Thomas, Introduction to a Marksist Archaeology; Swift Creek at a Human Scale

Wood, M. Jared, Terra incognita

11:00 Elliot, Daniel, Mark in the Dark: Gestational Archaeology from the Greensboro Fieldhouse to Bunny Hop Trail to Marshall’s Settlement (1976-1986)

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3:20 Hally, David, Discussant

3:40 Williams, Mark, Discussant
Organizers: Lynn Funkhouser and William DeVore

8:00  Berger, Stephanie and Dale Hutchinson, Trauma Patterns at the Forbush Creek site in Piedmont North Carolina

8:20  Hoskins, Emily, Designing the Dead: Decorative Patterns on Human Skeletal Remains from the Middle Tennessee River Valley

8:40  Devore, William and Keith Jacobi, The dead trade: Allocation and exchange of partitioned body parts and transformative proxies as physical and spiritual manipulation of skeletal remains in the Middle Tennessee River Valley

9:00  Dent, Sophia, Katherine L. Reinberger, Carson Rouse, and Dale L. Hutchinson, Dietary Deficiencies and Nutritional Inference in Piedmont North Carolina and Virginia

9:20  Thompson, Brandon, Bioarchaeology and Prehistory of the Middle Tennessee River Valley

9:40  Gordon, F. Lindsey, Juvenile Pathology in the Middle Tennessee River Valley

10:00  Break

10:20  Harrison, Allyson, Gender Roles in Prehistoric Northern Alabama: A Bioarchaeological Investigation of the Bluff Creek Site Using Paleopathology and Trauma Analysis

10:40  Jacobi, Keith, Lynn Funkhouser, and Clare Farrow, Exhuming Mortuary Analysis: Advocating for a more Robust Archaeological Narrative

11:00  Edsall, Shannon, Are Osteoarthritis and Enthesal Changes Reliable Skeletal Stress Indicators?

11:20  Byers, Steven, Paleodemography of the Woodland Period of Louisiana

11:40  Simpson, Diana, Cheating Death at Mulberry Creek: Exploring Provision of Care for Disabled Individuals in Prehistoric Alabama

12:00  Lunch

1:00  Lofaro, Ellen, George Kamenov, Ashley Sharpe, and John Krigbaum, Mobility and Contact: The Mission Site of Santa Maria, Amelia Island, Florida.

1:20  Worne, Heather, Temporal Trends in Violence

During the Late Prehistoric Period in the Middle Cumberland Region of Tennessee

Krigbaum, John, Neill Wallis, George Kamenov, Ellen Lofaro, Amanda Friend, and Austin Jacobs, Mayport Mound (8DU96) in regional context: An isotopic assessment of residential mobility at the eastern periphery

2:00  Hodge, Shannon, Discussant

2:20  Danforth, Marie, Discussant

PARTHENON ONE


Organizers: Elizabeth Reitz, Anna Semon, Laurie Reitsema

8:00  Purcell, Gabrielle, and C. Margaret Scarry, Archaeobotanical Analysis of the Fallen Tree Cemetery

8:20  Semon, Anna, Matthew Napolitano, Nicholas Triozzi, Clark S. Larsen, Barbara J. Betz, and Kathryn E. Marklein, Mortuary Practices at Fallen Tree: Late Mississippian/Early Historic interments, ceremonial deposits, and landscape use

8:40  Blair, Elliot H., Situating Fallen Tree in the Mission Santa Catalina de Guale Landscape

9:00  Garland, Carey and Laurie Reitsema, Chronologies of Early Life Stress on the Georgia Coast: Comparing Enamel Defects Between Fallen Tree and the Mission Santa Catalina de Guale

9:20  Larsen, Clark S., Barbara J. Betz, and Kathryn E. Marklein, Bioarchaeology of Fallen Tree, St. Catherines Island, Georgia: Demographic Context and Health Profiles at the Precontact-Contact Interface

9:40  Reitz, Elizabeth and Maran Little, Vertebrate Use at Pueblo Santa Catalina de Guale and the Fallen Tree Cemetery

10:00  Break

10:20  Thomas, David Hurst, How the Fall Tree Cemetery Found Us
10:40 Springs, Lauren, Austin W. Reynolds, and Deborah A. Bolnick, Initial Assessment of Ancient DNA Preservation and Genetic Diversity at Santa Catalina de Guale

11:00 Triozzi, Nicholas, Anna Semon, Thomas Blaber, Glen Keeton, Lorann Thomas, and Matthew Napolitano, Modelling community connectedness at Fallen Tree, St. Catherines Island, GA (9Li8)

11:20 Reitsema, Laurie, A New Node in the Study of Dietary Transition and Missionization in the Coastal Southeast: The Fallen Tree Mortuary Complex at St. Catherines Island, Georgia (9Li8)

ATHENA A

[26] Round Table: Solving Problems with Regulatory Archaeology: Some Efficient and Effective Solutions

Organizers: Julia Byrd Duggins, Mike Russo, and Jeffrey Shanks

8:00 Shanks, Jeffrey, Problems in Regulatory Archaeology: An Overview and Framework for Potential Solutions

8:20 Parsons, Timothy, Regulatory Archaeology: The Baby and the Bathwater

8:40 Hodge, Phil, Section 106 and Transportation Projects since the Great Recession: A View from Tennessee

9:00 Underwood, John, Managing Compliance in Mississippi: Archaeological Surveys and Syntheses in Transportation Projects

9:20 Gregory, Danny, Digital Recording System for Archaeological Survey

10:00 Break

10:20 Roundtable until lunch

ATHENA B

[27] General Session: General Precontact

8:00 Walker, Martin, Amelia Jansen, Heather Woods, Alex Craib, Anita Leheu, and David Anderson, Woodland Period Occupations Along the Savannah River: An Update of the Late Prehistoric Investigations at the Topper Site (38AL23), Allendale, SC

8:20 Mangum, Douglas, Patricia Christmas, and
Kelly Ervin, *A Prehistoric Decorated Copper Plate Found near the San Jacinto Battleground in Texas*  
8:40

Bradley, Matthew T. and Lucinda Langston Dockstader, *Bedrock Mortars at the Water’s Edge*  
9:00

Endonino, Jon, *Looters, Kirk Points, and Grizzly Newts: The Early Archaic at 15JA120, Daniel Boone National Forest, KY*  
9:20

Butler, Brian, *Revisiting Yearwood and the Middle Woodland Systematics of Southern Middle Tennessee*  
9:40

Mullins, Cailey, *Mann and the Hopewell Interaction Sphere: A Gateway Between East and West*  

**[28] General Session: Florida Archaeology**

10:20

Adovasio, James, *Perishable Artifacts from the Old Vero Site (8IR009), Indian River County, Florida*  
10:40

White, Nancy, *Paleo-Indian in the Apalachicola-Lower Chattahoochee Valley Region*  
11:00

Ardren, Traci, *Tracking the Matecumbe: Material Culture of the Prehistoric Florida Keys*  
11:20

Spivey, S. Margaret, *Gargoyles of the Deep South: Tenoned Zoomorphic Wood Carvings from Fort Center*  
11:40

Johnson, Patrick, *Diasporic Diplomats: Yamasee Middlemen of Florida’s Last Spanish Mission*  

**ATHENA C**

**[29] General Session: Lithic Studies**

8:00

Watt, David and Rachel Horowitz, *An Analysis of a Natchez Gunflint Assemblage from the Lower Mississippi Valley and Its Implications for 18th Century Colonial Economic Interactions and Exchange*  
8:20

8:40

Parish, Ryan, *A Chert Type Database for the Southeast*  

8:40

Cooper, Jessica, *A Functional Analysis of Yadkin Bifaces in the Middle Savannah River Valley*  
9:00

Guest, Stephanie, *A Microdebitage Analysis of the Winterville Mounds Site (22WE500)*  
9:20

Tune, Jesse, *Investigating Clovis Blade Technology at the Sinclair Site (40WY111), Tennessee*  
9:40

Bradbury, Andrew, Phillip Carr, and Sarah Price, *Experimental Knapping of Small Secondary Gravel Cherts*  
10:00

**ATHENA E**

[30] Poster Session: 8:00—noon

30.1

Rafferty, Janet and Virginie Renson, *Lead isotope-based sourcing of galena from a Middle Woodland habitation site in northeast Mississippi*  

30.2

Reid, Sarah, *Cordmarked Pottery at the Hayti Bypass Site*  

30.3

Roark, Sierra and Martin Walker, *Paleoethnobotanical Remains from the Topper Site (38AL23)*  

30.4

Gentil, Verna, *Reanalyzing Legacy Collections: A case Study on Middle–Late Woodland Sites*  

30.5

Weiland, Andrew W., Aaron Comstock, M. Chase Gordon, and Robert Cook, *Examining Late Woodland and Early Fort Ancient plant use: preliminary archaeobotanical analysis of the Turpin site (33HA19)*  

30.6

Krause, Maya, Melissa Pouncey, Hadley Scharer, and Eric Jones, *An Analysis of House-floor Dimensions in the Late Woodland Upper Yadkin River Valley*  

30.7

Milinsky, Jenna, Martin Walker, Elizabeth Albee, Miranda Campbell, Abigail Huffman, and David Anderson, *The Chicken or the Egg: Highlighting the Importance of Beginning with Deliberate Database Design*  

30.8

Worthington, Brian, *Zooarchaeology of Historic and Prehistoric Sites on Shackleford Banks, Cape Lookout National Seashore, North Carolina*  

30.9

Colclasure, Cayla, Martin Walker, Brooke Brennan, Anielle Duncan, Darcie McCafferty, and
David Anderson, Scratching the Surface: A Spatial Analysis of Precontact Artifacts and Features from the Topper Site (38AL23)

Mersmann, Joy and Kelly Ervin, The Jackson Site is Back! LiDAR-based Mound Construction and Viewshed Analysis of the Coles Creek Era Poverty Point Landscape

Schlarb, Eric and George Crothers, Magnetic Mapping and Systematic Coring of a Large Floodplain Earthwork in Woodford County, Kentucky

Thacker, Paul, Behavior Beyond the Village: Embedded Clay Procurement and Changing Late Woodland Land Use in the Yadkin Valley

Price, Sarah and Ashley A. Dumas, Fish Bones as Toolkits for Decorating Pottery

Morris, Hannah, Sidney Reynolds, and Laurie Reitsema, Paleoclimate Reconstruction and Carbon Isotope Analysis of Archaeological Hickory Nutshells

Weitzel, Elic M., Brian F. Codding, David W. Zeanah, and Stephen B. Carmody, Population Packing Prior to Initial Domestication in Eastern North America

Moore, Christopher R. and Tommy Charles, Evaluating Diachronic and Geospatial Trends in South Carolina Prehistory from an Analysis of the Statewide Collector Survey

Van Hagen, Logan, Reduction Intensity in Crypto-Crystalline Silicates

May, J. Alan, Steven M. Watts, Schiele Museum of Natural History Aboriginal Studies Program Specialist and Primitive Skills Master

Meredith, Steven M., Quarrying and Knapping Fort Payne Chert of the Millennia

Miller, D. Shane, Jesse W. Tune, Kelsey J. Meer, J. Ryan Young, and Derek T. Anderson, The Swag Site (38AL137): Another Paleoindian Site at the Allendale Quarries?

FRIDAY AFTERNOON

SEAC Story Corps—Classic Center’s Athena F—

OLYMPIA TWO

30.10 Mersmann, Joy and Kelly Ervin, The Jackson Site is Back! LiDAR-based Mound Construction and Viewshed Analysis of the Coles Creek Era Poverty Point Landscape

30.11 Schlarb, Eric and George Crothers, Magnetic Mapping and Systematic Coring of a Large Floodplain Earthwork in Woodford County, Kentucky

30.12 Thacker, Paul, Behavior Beyond the Village: Embedded Clay Procurement and Changing Late Woodland Land Use in the Yadkin Valley

30.13 Price, Sarah and Ashley A. Dumas, Fish Bones as Toolkits for Decorating Pottery

30.14 Morris, Hannah, Sidney Reynolds, and Laurie Reitsema, Paleoclimate Reconstruction and Carbon Isotope Analysis of Archaeological Hickory Nutshells

30.15 Weitzel, Elic M., Brian F. Codding, David W. Zeanah, and Stephen B. Carmody, Population Packing Prior to Initial Domestication in Eastern North America

30.16 Moore, Christopher R. and Tommy Charles, Evaluating Diachronic and Geospatial Trends in South Carolina Prehistory from an Analysis of the Statewide Collector Survey

30.17 Van Hagen, Logan, Reduction Intensity in Crypto-Crystalline Silicates

30.18 May, J. Alan, Steven M. Watts, Schiele Museum of Natural History Aboriginal Studies Program Specialist and Primitive Skills Master

30.19 Meredith, Steven M., Quarrying and Knapping Fort Payne Chert of the Millennia

30.20 Miller, D. Shane, Jesse W. Tune, Kelsey J. Meer, J. Ryan Young, and Derek T. Anderson, The Swag Site (38AL137): Another Paleoindian Site at the Allendale Quarries?

31.10 Kistler, Logan and Robin G. Allaby, Genomic precursors to the adaptive syndrome of domestication

31.11 Wagner, Gail, Reflections on Growing Lost Crops

31.12 Fritz, Gayle, An Accidental Gardener: Three Decades of Collecting and Growing Eastern Complex Crops and Their Relatives

31.13 Mueller, Natalie, Understanding crop plasticity through experimental cultivation

31.14 Horton, Elizabeth, A Tale of Two Gardens: Integrating Paleoethnobotanical Research and Public Archeology

31.15 Patton, Paul, Chenopodium berlandieri: A Potential Appalachian Food?

PARTHENON ONE

32.10 Pollack, David and Gwynn Henderson, The Evolution of the Fort Ancient House

32.11 Comstock, Aaron and Robert Cook, Early Fort Ancient Development: Findings from the Turpin Site, Southwest Ohio

32.12 Shiers, Joshua, Hurricane Landing: From the lake bottom

32.13 Cross, Benjamin, A Tale of Two Structures: Analyzing Inter-Structure Space and Community Layout at Ames, A Mississippian Site in West Tennessee

32.14 Kozuch, Laura, Full-time Bead Crafters at Greater Cahokia

32.15 Friberg, Christina, Cahokian Interactions in the Neighboring Lower Illinois River Valley: Recent Investigations at the Audrey-North Site
3:00  **Break**

3:20  **Watts-Malouchos, Elizabeth,**  *Connecting to Cahokia: Reconsidering Material Connections between Angel and the American Bottom*

3:40  **Nelson, Erin,**  *Defining a Middle Mississippian Component in the Northern Yazoo Basin*

4:00  **Stauffer, Grant,**  *On Subaks and Sodalities: Postulations about Mississippian Agricultural Networks*

4:20  **Morgan, David, Meredith Hardy, Jessica Keller, Jeneva Wright, Dave Conlin, Jake Harding, Steve Lubke mann, and Paul Gardullo,**  *The Slave Wrecks Project: Bringing Slavery into Memory through Complementary Terrestrial and Submerged Archaeology at National Park Units in the U.S. Virgin Islands*

4:40  **McCarty, Rita,**  *The History and Site Structure of Site 22PE2976, A Small Antebellum Plantation Within the Camp Shelby Training Site, Perry County, MS*

5:00  **Partridge, Colin and James Page,**  *Analysis of an Unknown Component at 38CH2048, Johns Island, Charleston County, South Carolina*

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**PARTHENON TWO**

**[33] General Session: Contact Period Studies**

1:00  **Doherty, Raymond,**  *Good Fare and Tribal Affairs: The George and Saleechie Colbert Site*

1:20  **Lieb, Brad,**  *Protohistoric Ceramics in the Northeast Mississippi Blackland Prairie*

1:40  **Weik, Terrance,**  *Mapping Chickasaw Removal*

2:00  **Boudreaux, Tony, Emily Clark, Jay Johnson, Brad Lieb, John O’Hear, Allie Smith,**  *Investigations at 22Ok778, An Early Contact Period Site in Northeast Mississippi*

2:20  **Mitchem, Jeffrey,**  *We Think We Found Hernando de Soto’s Cross at Casqui*

2:40  **Wettstaed, James and Dean Wood,**  *A Contact Period Lamar Farmstead in Northeastern Georgia*

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**ATHENA A**

**[35] Symposium: Hunter-Gatherer Societies of the Late Pleistocene and Early Holocene Southeast**

*Organizer: Andrew White*

1:00  **Wilkinson, Joseph,**  *Modeling Early Archaic Mobility Subsistence: Quantifying Resource Cost and Risk*

1:20  **Goodyear, Albert,**  *Brier Creek as a Locality in the Allendale-Brier Creek Clovis Complex*

1:40  **White, Andrew,**  *Social Implications of Large-Scale Demographic Change during the Early Archaic Period in the Southeast*

2:00  **Sweeney, Kara Bridgman,**  *Crossing Boundaries in Early Archaic Research*

2:20  **Thulman, David and Maile Neel,**  *Local Scale Cultural Transmission: How Neutral Artifact Traits Manifest at Neighborhood Boundaries*

2:40  **Gilleland, Sarah K.,**  *Variability in Riverine Catchments between the Middle Archaic and Late Woodland Periods in Eastern Mississippi*

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**ATHENA B**

**[36] General Session: Shell Mounds and Midden**

3:20  **Morris, Scott,**  *Daily Life in Tabby Two: Utilizing Archaeological Results in the Interpretation of African American Slave Dwelling Interiors*

3:40  **Palmer, David,**  *2016 Results: Coastal Carolina University-Brookgreen Gardens’ Archaeological Investigation of the Brookgreen Plantation, South Carolina*

4:00  **Auerbach, Jeffrey,**  *New Look and the Old South: Statistical Examinations of The Registers of Free Negroes and Mulattos of Virginia*
1:00 Harke, Ryan, William J. Pestle, and Evan M. Mann, Late Prehistoric (AD 1300) Habitation of Stock Island, Lower Florida Keys

1:20 Mann, Evan, William Pestle, Traci Ardren, Ryan Harke, and Monica Faraldo, Taking Stock of Shell vs. Seafood: Malacological Resource Utilization on Stock Island

1:40 Sassman, Kenneth, Asa Randall, Joshua Goodwin, Terry Barbour, Anthony Boucher, Nicole Cerimele, St. Johns Archaeological Field School 2016: Places Below, Between, and Beyond Silver Glen Run

2:00 Norman, Sean P. and Jon Endonino, Subsurface Mapping of the Tomoka Complex (SVO81)

2:20 Boucher, Anthony, The Mound beyond the Mound: Reconfiguring a Seventh-Century Civic-Ceremonial Center on the North Gulf Coast of Florida

2:40 Delgado, Alex, More Than Just Empty Space? Integrated Geoarchaeological Investigations of a Plaza

3:00 Duke, C. Trevor, Beds of Plenty: Shellfish Intensification and Anthropogenic Impacts at Crystal River (8CI1) and Roberts Island (8CI41)

ATHENA E

[38] Poster Session: 1:00—5:00pm

38.1 La Rosa, Christian, Inna Moore, and David Baluha, Using LiDAR to Identify and Analyze Features associated with Historic Phosphate Mines in Coastal South Carolina

38.2 Stackelbeck, Kary, Broadening the Impacts of Section 106 Archaeology

38.3 Bolte, Christina L., Marsha Welch, Lauren Woelkers, Lucinda Langston Dockstader, and Jay D. Franklin, The ETSU Valleybrook Archaeological Education and Curation Center: Applied Archaeology Education, Public Outreach, and Confronting the National Curation Crisis

38.4 Bennett, Sarah M. and Lianne Bennett, Collaborative Curriculum: An Archaeologist and an Educator Develop Project Archaeology: Investigating a Light Station

38.5 Gossiaux, Margaret, David Braun, Ella Beaudoin, An Experimental Assessment of the Impact of Edge Angel on DIF Occurrence and its Implications for the Holocene at Koobi For a, Kenya

38.6 Deryck, Sean, Russell Cutts, David Braun, and J.W.K. Harris, Ongoing Excavations at Fxj20Main-Extension-0, Koobi For a, Kenya

38.7 Campbell, Ross, Russell Cutts, David Braun, and J.W.K. Harris, Statistical Evidence for a New Method for Identifying Anthropogenic Fire in the Archaeological Record

38.8 Fitts, Mary Elizabeth, Variability in Maize from...
Eighteenth-Century Catawba Towns

38.9 Hawsey, Kareen, New Discoveries at Old Catawba: Pairing Pedestrian Survey with LiDAR Data

8:20 Menz, Martin, Lithic Craft Specialization and Exchange in the Woodland Period: Examples from West Georgia

38.10 Schweickart, Eric and Meagan Dennison, Turtles, Traps, and Tides: Turtle Acquisition and Decision-Making Processes in the Antebellum Lowcountry

8:40 Brannan, Stefan, Reconstructing Settlement Histories through Ceramic Analysis: Refining the Ceramic Chronology for Singer-Moye

38.11 Campbell, Elizabeth Chance and Sarah Barber, Against the Flow: A Post-bellum Watermill in Central Florida

9:00 Coker, Adam and Jacob Lulewicz, Politico-Ritual Networks and the Rise of Etowah: A Network Approach to Political Power and Social Prestige

38.12 Pyszka, Kimberly and Amanda Tucker, Digging Our Own Past: Archaeological Research into AUM’s Tenant Farming Past

9:20 Jones, Katherine, Daniel T. Elliot, and Jerald Ledbetter, “Georgia’s Lost Archaeologist”: Reconnaissance of the Davis Plantation Collection of Dr. Roland Steiner

38.13 Salter, Summer, Kimberley Pyszka, and Maureen Hays, A “few other necessary Timber Buildings”: An Update on the St. Pauls’ Parsonage, Hollywood, South Carolina

9:40 Love, Sarah, Emma Mason, and Joseph Smith, Archaeology at a Rosenwald School: Interpreting Fairview’s Identity

38.14 Cannon, Cayla M., Geophysical Survey of the Carter Mansion Site (40CR5) in Carter County, Tennessee

10:00 Break

10:20 Boatwright, April, Georgia’s Lost and Found: The Public History of Lewis Larson’s Contributions to Georgia Archaeology

10:40 Thompson, Lori, The MARTA Collection: An Archaeological Legacy and Cache of History

OLYMPIA ONE

[39] Symposium: Archaeology in Action: The Latest in Georgia Archaeology

Organizer: Amanda R. Thompson and Lillian Green

8:00 Napora, Katharine G., Dendrochronology in the U.S. Southeast and New Research Trajectories

OLYMPIA TWO

[40] Symposium: Shamans, Priests, Practice, Belief: Archaeological Examinations of Religion and Ritual in the Eastern Woodlands

Organizers: Stephen B. Carmody and Casey R. Barrier

8:00 Claassen, Cheryl, A Probable Four-Age Rite
29

8:20 Walker, Renee, *Caches & Burials: Ritual Use of Dust Cave During the Paleoindian and Archaic Periods*

8:40 Simek, Jan, *Dancing with the Stars: Images of Dance in Prehistoric Mississippian Rock Art from the Southeast*

9:00 Kassabaum, Megan, *Both Family and Food: Expanding the Case for Bear Ceremonialism into the Deep South*

9:20 Giles, Bretton, *The Emergence and Importance of Falconoid Imagery in Middle Woodland Religious Discourses*

9:40 Dye, David, *“Don’t Step Over Your Food”: Prehistoric Ritual Practice in the Lower Mississippi Valley*

10:00 *Break*

10:20 Kidder, Tristram and Kelly Ervin, *Portals of Poverty Point?*

10:40 Baires, Sarah and Melissa Baltus, *Earth Moving, Pottery Caching, and Extra-Domestic Architecture at Cahokia’s CABB Tract*

11:00 Pauketat, Timothy and Susan Alt, *Rethinking Sweatlodges and Circular Monuments as Water Shrines*

11:20 Smallwood, Ashley, Thomas Jennings, and Charlotte Pevny, *Expressions of Ritual in the Paleoindian Record of the Eastern Woodlands: Exploring the Uniqueness of the Sloan Dalton Cemetery, Arkansas*

11:40 Brown, Jim (?)

12:00 *Lunch*

1:00 Henry, Edward, *The Portability of Religion and the Temporality of Sacred Landscapes: Adena-Hopewell Earthen Enclosures in the Bluegrass Region of Kentucky*

1:20 Bow, Sierra, *The Painted Past: Understanding the Manifestation of Mississippian Religion through Paint*

1:40 Barrier, Casey, *Potent Plants, Powerful Animals, and Sacred Space: An Opportunity to Consider Religious Experience through Excavated Deposits at an Early Mississippian Mound-Town*

2:00 Carmody, Stephen, Ryan Hunt, Jon Russ, and Jera R. Davis, *Smoke Signals: Identifying and Interpreting Ritual Tobacco Use in Prehistory*

2:20 Hollenbach, Kandace and Stephen Carmody, *Cultivating Rituals: Woodland Gardens and Imbued Landscapes*

2:40 Kelly, John E. and James A. Brown, *Cahokia and its connection to the spirit world as a place of pilgrimage*

3:00 *Break*

3:20 Reilly, Kent, *The Visualization of Mississippian Period Religious Tool Kits, From Gottschall Rockshelter and Picture Cave to the Thruston Tablet*

3:40 O’Donoughue, Jason, *On the Ritual Significance of Florida’s Artesian Springs*

4:00 VanPool, Christine, *Discussant*

4:20 Knight, Jim, *Discussant*

**PARTHENON ONE**


Organizers: Brandon Ritchison, Jacob Lulewicz, and Matthew Colvin

8:00 Lulewicz, Jacob, *Gendered Networks and Political Expression: The Transformation of Southern Appalachian Society, A.D. 1250-1300*

8:20 Cranford, David, *Tracing Rapid Cultural Transformations within the late 18th century Catawba Nation*

8:40 Ritchison, Brandon, *Considering the New Neighbors: Immigration and Settlement Response on the Georgia Coast*

9:00 Gilmore, Zackary, *Beyond “Diffusion”: Toward a Lived History of Early Pottery Adoption*


9:40 Colvin, Matthew, *New Perspectives in Engaging Temporality of Sand Earthworks at Fort Center*
11:00  Eubanks, Paul, Visibility, Raiding, and Migration at Salt Licks in Northwestern Louisiana

11:20  Livingood, Patrick, Leadership Specialization Among the Caddo and Their Neighbors

ATHENA A

[43] Symposium: The Williams Spring Site (1MA1167): A Late Middle Woodland Settlement on Indian Creek, Redstone Arsenal, Huntsville, Alabama

Organizers: Orion Kroulek and Lawrence Alexander

8:00  Whyte, Thomas, Archaeofaunal Evidence of Subsistence Stress in the Middle Woodland Period at the Williams Spring Site, Madison County, Alabama

8:20  Kroulek, Orion, Feature Seriation, Morphology, and Site Structure at the Williams Spring Site (1MA1167)

8:40  Johnson, Rebecca, Across Space and Time: Plant Usage at the Smith Creek Site

9:00  Trudeau, Mary, Human Skeletal Remains at the Williams Spring Site (1MA1167): and Inventory and Analysis

9:20  Parker, Katie, Settled Middle Woodland Farmers on Indian Creek

9:40  Alexander, Lawrence, Lithic Analysis of the Williams Springs Assemblage

10:00  Break

10:20  Hoksbergen, Ben, Williams Spring: A Late Middle Woodland Village in Temporal and Regional Context

10:40  Kroulek, Orion, Discussant

11:00  Alexander, Lawrence, Discussant

11:20  Hoksbergen, Ben, Discussant

SATURDAY AFTERNOON

OLYMPIA ONE

[44] Symposium: Mississippian Archaeology of the Middle Cumberland Region of Tennessee
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title/Abstract</th>
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<tbody>
<tr>
<td>1:00</td>
<td>Jones, Scott</td>
<td>Interpretation of the Structure and Variation of Middle Cumberland Mississippian Stone-box Cemeteries</td>
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<tr>
<td>1:20</td>
<td>Deter-Wolf, Aaron</td>
<td>Return to the &quot;Great Mound Group&quot;: New Investigations of the Mound Bottom/Pack Landscape</td>
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<tr>
<td>1:40</td>
<td>Krus, Anthony and Charles Cobb</td>
<td>New Models for Mississippian Site Chronologies in the Middle Cumberland Region</td>
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<td>2:00</td>
<td>Moore, Michael</td>
<td>Archaeology in the Little Harpeth River Drainage: A Reanalysis of the Inglehame Farm Site (40WM342), Williamson County, Tennessee</td>
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<tr>
<td>2:20</td>
<td>Guidry, Hannah and Sarah Levithol Eckhardt</td>
<td>A Descriptive Account of Two Prehistoric Burial Removal Projects in the Nashville Area</td>
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<td>2:40</td>
<td>Shape, Robert</td>
<td>Our Lady of the Cumberland: Styles, Distribution, and Community</td>
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<tr>
<td>3:00</td>
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<td>Break</td>
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<tr>
<td>3:20</td>
<td>Vidoli, Giovanna and Heather Worne</td>
<td>Relationships and Trauma: Lived perspectives at Averbuch</td>
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<td>3:40</td>
<td>Lawrence, William L.</td>
<td>Geophysical Investigations at the Mound Bottom Site, Cheatham County, Tennessee</td>
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<td>4:00</td>
<td>Smith, Kevin</td>
<td>Discussant</td>
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<td>4:20</td>
<td>Brown, James</td>
<td>Discussant</td>
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PARTHENON ONE


Organizer: David Hally

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<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title/Abstract</th>
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<tr>
<td>1:00</td>
<td>Brown, Ian</td>
<td>An Examination of Marvin T. Smith’s Archaeology of Aboriginal Culture Change in the Interior Southeast and Coosa</td>
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<td>1:20</td>
<td>Drooker, Penelope</td>
<td>Chronology of Aboriginal Cultural Change beyond the Interior Southeast: A Fort Ancient Case Study</td>
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<td>1:40</td>
<td>Mathers, Clay</td>
<td>From Object to Empire: Marvin Smith’s Impact on Entrada Period Research in the American Southwest</td>
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<td>2:00</td>
<td>Davis, Steve</td>
<td>Archaeology at the Late Precontact Wall Site in Central North Carolina</td>
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<td>2:20</td>
<td>Knight, James</td>
<td>Puzzles of Creek Social Organization in the Eighteenth and Nineteenth Centuries</td>
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<td>2:40</td>
<td>Moore, David G. and Tommy Charles</td>
<td>Sixteenth Century Spanish Artifac Assemblage Patterns as seen from Western North Carolina: an Archaeological Model Inspired by Marvin T. Smith</td>
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<tr>
<td>3:00</td>
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<td>Break</td>
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<tr>
<td>3:20</td>
<td>Worth, John</td>
<td>Interpreting Spanish Artifact Assemblages in the Mid-Sixteenth-Century Southeast: The View from the 1559-1561 Tristán de Luna Settlement on Pensacola Bay</td>
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<tr>
<td>3:40</td>
<td>Marcoux, Jon Bernard</td>
<td>The Savannahs and the Landscape of Indian Slavery at the Turn of the 18th Century</td>
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<tr>
<td>4:00</td>
<td>Smith, Marvin T.</td>
<td>Discussant</td>
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<tr>
<td>4:20</td>
<td>Hally, David</td>
<td>Discussant</td>
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PARTHENON TWO

[46] Symposium: Ancient Water Worlds: The Role of Dwelling and Traveling in the Southeastern Archaelo-logical Record

Organizers: Nathan E. Lawres, Donna L. Ruhl, and Margo Schwadron

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<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title/Abstract</th>
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<tbody>
<tr>
<td>1:00</td>
<td>Lawres, Nathan</td>
<td>Bridging Earth, Sky, and Water with Place: Materializing Ontology in a Monumental Landscape</td>
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<tr>
<td>1:20</td>
<td>Schwadron, Margo</td>
<td>Water Worlds: Ritualized Wetlands and Watery Landscapes in South Florida</td>
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<tr>
<td>1:40</td>
<td>Mahar, Ginessa</td>
<td>The Changing Taskscape of Southeastern Coastal Societies: A Perspective on Fish Weir Use</td>
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<td>2:00</td>
<td>Perash, Rachel and Eric Griffis</td>
<td>Contextualizing artifact preservation in wetland sites through</td>
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Organizer: David Hally
oral histories on the Big Cypress Reservation, Florida

2:20 Ruhl, Donna, George Kamenov, Katherine Bermudez, and Neill Wallis, Isotope Analysis on Selected Dugout Canoes: Is Strontium Sourcing an Aid to Understanding Dwelling and Traveling in Florida’s Ancient Waterscapes?

2:40 Duggins, Julia Byrd, Canoe Caching: A Hypothesis to Explain the Spatial Distribution of Florida’s Archaeological Logboats

3:00 Break

3:20 Parsons, Alexandra L., Oscar A. Rothcock, and Margo Schwadron, Island Waterscapes of the Tequesta People of South Florida

3:40 Jenkins, Jessica and Martin Gallivan, Somewhere Beyond the Sea: Shellfish Management and Aqueous Landscapes in Precolonial Chesapeake

4:00 Luer, George M., Florida Indian Hydrology: Cognition, Engineering, and Living in a Watery World

4:20 Seinfeld, Daniel and S. Margaret Spivey, Monumentality, Art, the Natural Environment, and Cosmology at the Fort Center Mound-Pond Complex (8GL12)

4:40 Marquardt, William, Discussant

SATURDAY EVENING

Saturday Evening Wind Down—Little Kings Shuffle Club—4-7pm

[47] Back to Brunswick Town

Organizer: Charles Ewen

1:00 Ewen, Charles, Brunswick Town Redux

1:20 Beaman, Thomas, Mos’ people come here on a picnic, I come on a pick ‘n shovel”: A Brief Chronicle and Present State of the Archaeology and Artifacts of Colonial Brunswick Town

1:40 Holloway, Andrew, Under the Shadow of History: An Archaeological Investigation of Lot 35 at Brunswick Town

2:00 Hildebran, Daniel, Research Design for Fort Anderson

2:20 Harrup, Matthew, Brunswick Town: A Research Design
STUDENT PAPER COMPETITION

Review Committee

A Special Thanks to the Book Prize Contributors:
[1] Shaping the Present by Researching the Past: Celebrating the Life and Influence of Dr. Joan Gero
Organizers: Jodi Barnes and Ruth Trocolli

Joan Gero was an Andeanist, but her anthropological feminist archaeology profoundly shaped southeastern archaeology and the archaeologists who do it. Her research transformed how people talk about people in the past. She taught students to recognize that current political contexts shape our research and the practice of archaeology. She encouraged students to live up to the highest standards of the profession and to empower ourselves and the people from the past that we study. To honor her memory, colleagues, friends, and former students convene to reflect on how we each operationalized the themes she embodied.

[2] Archaeology along the Lower Cape Fear River: Ten Years of Archaeological Investigations at the Riverlights Development Tract in Wilmington, North Carolina
Organizers: William Green, Natalie Adams Pope and Tracy Martin

Riverlights is a proposed 1,300-acre development located on high sandy bluffs adjacent to the Cape Fear River in Wilmington. Archaeological investigations at Riverlights have been conducted intermittently since May 2006. Twenty-five sites ranging from the Early Archaic to the early twentieth century have been identified, with five sites being subject to data recovery excavations. Together these are the largest scale investigations that have taken place along the lower North Carolina Coast. Our symposium discusses the results of over 10 years of research at Riverlights and the contributions made toward understanding the history and prehistory of the Lower Cape Fear River.

Organizers: Jennifer Birch and Victor Thompson

Participants in this session consider how the formation of village-communities transformed eastern North American societies of the past and recent present. The power of villages to create new societal forms developed through processes of emplacement, negotiation, cooperation, and competition at multiple social and spatial scales. As such, the way individuals and groups expressed power operated under different societal constraints than under other kinds of social formations. The focus of this symposium is to examine the nature of power dynamics in village societies and how such relationships played out at the local village level, as well as among interacting village communities.

Organizers: Alice Wright and Maureen Myers

For more than 30 years, Dr. Cheryl Claassen has exemplified how to think critically and creatively about the archaeological record of the Eastern Woodlands. Her research on ritual, gender (past and present), shell, and symbolism have challenged normative approaches to the North American past and have stimulated productive debates that continue to advance our field. This symposium celebrates Dr. Claassen’s wide-ranging career with papers that engage and build upon her diverse body of scholarship and her broader contributions to the southeastern archaeological community.

[5] Of Roads and Ruins: Georgia Department of Transportation (GDOT) Contributions to Georgia Archaeology
Organizers: Pamela Baughman

The Georgia Department of Transportation is the largest contractor for cultural resource management in the state of Georgia. With the Department celebrating its centennial this year, and the National Historic Preservation Act celebrating its 50-year anniversary, this symposium offers a look into what compliance archaeology has meant to historic preservation efforts, archaeological research, and to the state of archaeology in Georgia overall. An overview of the Department’s work will begin the discussion, and this will be followed by presentations on unique projects and methods in survey, testing, and mitigation, as well as the geophysical and stewardship programs, and curation.

Organizer: Carla Hadden

The purpose of this forum is to facilitate discussion among radiocarbon researchers and archaeologists...
suit their own needs, retaining some traditional architectural elements and uses of domestic space while abandoning others.

[18] Outside the Grid: Thinking Beyond the Basics of Public Outreach (Lightning Round)
Organizers: Sarah Nohe

A fresh perspective on presenting archaeological research and heritage sites to the public. This lightning round of short presentations showcases new, innovative, and sometimes experimental public outreach programming. Presenters share examples of reaching the public in new ways: by using new technologies, incorporating different theoretical perspectives, finding unexpected audiences, or bringing archaeology outreach to out-of-the-box locations. A discussion will follow.

[21] Tribal Consultation Panel
Organizers: Heather Mustonen and Pamela Baughman

A panel of Tribal Historic Preservation Officers will discuss a variety of topics such as: What is meaningful tribal consultation; Connecting pre-contact archaeological sites to present day tribal nations; Tribal involvement in Cultural Resource Management, Sacred sites and TCPs, and Tribal perspectives on 50 years of the NHPA. The symposium will include opportunity for Q&A with panel participants.

[22] A Marksist Archaeology: Celebrating the Legacy of Mark Williams from the Oconee Valley to Far Beyond
Organizer: Thomas Pluckhahn

This session brings together former students of Mark Williams to celebrate his legacy to the archaeology and ethnohistory of the Southeast on the occasion of his near-retirement from the University of Georgia. Mark has had a wide ranging career, but is best known for his work in his native Oconee Valley of Georgia. His field schools and classes, true to his often repeated adage “archaeology is fun or it is nothing,” have inspired many of us to career paths in the field. In the spirit of Mark, participants in the session think creatively about datasets close to their hearts.

[23] Current Research in Southeastern Bioarchaeology
Organizers: Lynn Funkhouser and William DeVore

Recent analysis of osteological collections in the Southeast as part of NAGPRA related research has led...
to renewed awareness of the necessity of intradisci- 
plinary collaboration. As separate but concomitai

t investigators, Southeastern bioarchaeologists regularly

find themselves pursuing synchronistic research,
e.g., recent investigations of prehistoric trauma and
migration in the Tennessee and Mississippi River val-
leys and examinations of outward and long-term ef-
fects within a larger regional context. The goal of this
symposium is to highlight recent research in South-
eastern bioarchaeology, historic and prehistoric, and
to help facilitate collaboration on collections intrinsic
to ongoing NAGPRA compliance efforts.

[24] New Research into Guale Life on St. Catherines
Island, Georgia
Organizers: Elizabeth Reitz, Anna Semon, and Lauria
Reitsema

Excavations on St. Catherines Island, Georgia, yield
new data about Guale daily practices and social or-
ganization prior to and during the Spanish Mission
Period. These excavations have sparked interdiscipli-
ary partnerships among many collaborators. The
symposium begins with an overview of the St. Cather-
ines Island project and recent excavations focused on
the Late Prehispanic/Early Mission period in and
around Pueblo Santa Catalina de Guale. Other papers
build upon previous studies of resource use, ancestry
and familial relationships, paleopathology, diet, food
disposal practices, mortuary practices, settlement
patterns, and material culture, advancing our under-
standing of Guale life during this dynamic period.

[25] John W. Cottier of Alabama: A life in Archaeolo-
gy
Organizers: Craig Sheldon and Cameron Wesson

From the 1950s until his death, John W. Cottier (1940
-2015) researched and taught central Alabama archae-
ology. He developed the comprehensive anthropology
program at Auburn University where his legendary
archaeological field schools motivated a cadre of stu-
dents to become professional archaeologists. His
careful work at the sites of Fusihatchee, Hickory
Ground and Ebert Canebrake resulted in one of the
largest high quality databases in the Southeast. These
presentations are by colleagues and students inspired
by John Cottier.

[26] Solving Problems with Regulatory Archaeology:
Some Efficient and Effective Solutions
Organizers: Julia Byrd Duggins, Mike Russo, and Jef-
frey Shanks

Agencies have struggled for over fifty years to locate
archaeological sites within political and funding limi-
tations, initially meeting legal mandates with walko-
ver, judgmental, and sometimes remote surveys. Ar-
chaeologists often challenged the efficacy of these
kinds of surveys, but despite decades of criticism,
these methods of compliance have not substantially
changed. We offer histories of how archaeology got to
this state, present case studies of cursory survey
methodologies, identify work-arounds that agencies
developed to overcome the inadequate regulatory ap-
proaches to survey, and, short of changing laws and
regulations, propose new approaches that may im-
prove the quality of archaeology in the future.

[31] Growing Lost Crops: Insights into the Eastern
Agricultural Complex from Living Plants
Organizers: Natalie Mueller, Paul Patton, Elizabeth
Horton

The crops of the Eastern Agricultural Complex sus-
tained societies in the Southeast for millennia. We now
have abundant archaeological evidence attesting to
where and when these crops were grown, but we
know little about how they were grown. The work of
growing these plants structured both landscapes and
human lives: field and growth experiments can help
reconstruct these lost agroecosystems. Gardens are
also a potent tool for public engagement because they
create opportunities for active learning about ancient
societies. As public interest in local foods and alterna-
tive farming grows, gardens can showcase the poten-
tial of these lost crops and raise.

[35] Hunter-Gatherer Societies of the Late Pleisto-
cene and Early Holocene Southeast
Organizer: Andrew White

Societies are groups of people defined by persistent
social interaction. While the characteristics of the late
Pleistocene and early Holocene hunter-gatherer soci-
eties of the Southeast certainly varied, archaeological
data generally suggest that these societies were often
geostructurally extensive and structurally complex.
Patterns of artifact variability and transport, for ex-
ample, demonstrate that small-scale elements (e.g.,
individuals, families, and foraging groups) were situ-
ated within much larger social fabrics. This session
aims to explore the size, structure, and characteris-
tics of early Southeastern hunter-gatherer societies,
asking how patterns of face-to-face interactions at
human scales “map up” to and are affected by larger
social spheres.

[39] Archaeology in Action: The Latest in Georgia
Archaeology
Organizers: Amanda Roberts Thompson
The Society for Georgia Archaeology (SGA) actively supports research of Georgia's diverse historic and prehistoric archaeological heritage. This symposium takes the place of the SGA's fall meeting, and brings together a collection of recent archaeological research in Georgia. The papers presented will explore Georgia's dynamic past ranging from the Archaic period to the twentieth century, including current events concerning the future of professional archaeology in Georgia. The session will conclude with a brief SGA meeting.

[40] Shamans, Priests, Practice, Belief: Archaeological Examinations of Religion and Ritual in the Eastern Woodlands
Organizers: Stephen B. Carmody and Casey R. Barrier

Archaeologists have described systems of ritual and belief, and are now working to understand religious experience through interactions with others, things, and supernaturals. Religious experiences arrived with the earliest New World inhabitants and were transformed through time and place. As practices shifted, so too did the form and function of associated "sacra," including materials and symbols as well as places, substances, and landscapes. Materials provide researchers observable evidence for the study of religion. While the lines between religious and secular worlds are sometimes blurred or nonexistent, participants will engage these problems through specific interactions with the archaeological materials themselves.

Organizers: Brandon Ritchison, Jacob Lulewicz, and Matthew Colvin

This symposium examines the lived experiences of change and transformation within a single generation. With advances in methodological approaches allowing researchers to attain ever-increasing temporal resolutions, it is apparent that socioeconomic changes in the past occurred far more rapidly than presented in the gradualist narratives of our introductory archaeology classes. Highlighting these advances, we discuss how individuals experienced transformative periods or events in the past within the course of a single 50 year (or less) period, utilizing data with relatively high temporal accuracy (e.g. Bayesian models, ethnohistoric accounts, etc.) to present informed conjectures of lived experience throughout periods of change.

[42] Exploring the Edges of the Caddo World: The Mississippian World as Viewed from the Caddo Archaeological Area
Organizers: Duncan P. McKinnon and Amanda L. Regnier

The examination of Caddo culture and archaeology within a broader context offers important insights into the relationship and interconnected systems that typify Southeastern groups. A recent emphasis in Caddo research has been an examination of broader themes related to the interaction, influence, and exchange of shared and contextualized socio-political, economic, and ideological systems of the Caddo World and the integrated nature of the Caddo peoples within the broader Southeast. This symposium highlights these broader relational themes to elevate the importance of situating the Caddo World beyond an isolated Western periphery of the Mississippian Southeast.

[43] The Williams Spring Site (1MA1167): a Late Middle Woodland Settlement on Indian Creek, Redstone Arsenal, Huntsville, Alabama
Organizers: Orion Kroulek and Lawrence Alexander

Archaeological investigations at the Williams Spring Site on Redstone Arsenal in northern Alabama have yielded evidence of human habitation in the late Middle Woodland period. Papers in this symposium discuss details of the research--radiocarbon dating, artifact typology and seriation, architecture, feature morphology and function, seasonality, subsistence, and human interment--and summarizes results and conclusions drawn from the multiple lines of evidence. Regional comparisons with contemporaneous cultures and sites will be addressed, particularly parallels with southern Middle Tennessee's Owl Hollow phase material culture.

[44] Mississippian Archaeology of the Middle Cumberland Region of Tennessee
Organizer: J. Scott Jones

The Middle Cumberland Region of North-Central Tennessee is well-known for its distinctive expression of the late prehistoric Mississippian Tradition. Once recognized primarily for its characteristic stone-box burials and burial practices, our understanding of the Middle Cumberland Mississippian has evolved to include not only burial practices but also a highly dynamic social and cultural tradition. The Middle Cumberland Mississippian is now viewed as having a rich and complex history of transformations within the region and interactions outside the Middle Cumberland region. The papers collected here reveal much of our current understanding of the Middle Cumberland Mississippian.
Documenting Early European/Native American Contacts and their Repercussions in the Southeast:
a Symposium honoring Marvin T. Smith
Organizers: David Hally

Marvin’s contributions to the subject of Early European/Native American contact are wide ranging and have frequently been groundbreaking. By developing chronologically sensitive typologies for European trade goods, by working closely with Charles Hudson and colleagues to refine the routes of 16th-century Spanish expeditions across the Southeast, and by looking at how Native Americans interacted with colonizers, he has expanded our grasp of the demographic and sociopolitical changes that transformed the region’s indigenous societies. Symposium participants present new insights that in many cases build on Marvin’s accomplishments.

Ancient Water Worlds: The Role of Dwelling and Traveling in the Southeastern Archaeological Record
Organizers: Nathan E. Lawres, Donna L. Ruhl, Margo Schwadron

The past several decades of archaeology has brought about the realization that past worlds were drastically different than our own. In some areas, these worlds were greatly informed, even driven, by water. Typically, the study of these aqueous landscapes, or water worlds, neglected the importance of water, relegating it to a role of necessity and subsistence. However, in worlds where water is a dominant feature it may take on further significance. In this symposium we explore the idea that dwelling and traveling in water worlds might have had more impact on cultural practices and their archaeological materializations than previously thought.

Back to Brunswick Town
Organizers: Charles Ewen

In 1952, E. Lawrence Lee initiated investigations at the Colonial Port of Brunswick Town. He was followed in 1958 by Stanley South, who labored there for ten years. The fruits of his labor resulted in the publication of Method and Theory in Historical Archaeology where students were introduced to the Carolina Artifact and Brunswick Disposal patterns as well mean ceramic dating. Curiously, after Stanley left to pursue archaeology south of the border, archaeology ceased at Brunswick for over 50 years. Recently, East Carolina University and the NC Division of Cultural Resources have partnered to revive research at this iconic site.
Adovasio, J.M. (Florida Atlantic University, jmadovasio@gmail.com)

[General] Perishable Artifacts from the Old Vero Site (8IR009), Indian River County, Florida

Despite depositional conditions inimical to the preservation of plant fiber artifacts, several such objects have been recovered during the ongoing re-excavations of the Old Vero Site (8IR009) in Florida. These include a fragment of charred, three ply, braided cordage with a contiguous underlying date of ca. 9,000 calendar years ago and a specimen of charred, flexible basketry or textile directly dated to a calibrated 7989 ±19. The technology of both specimens is consistent with analogous forms recovered from the celebrated Windover Bog site in Florida. The construction attributes of the Vero specimens are described and the potential significance is addressed.

Alexander, Lawrence (Alexander Archaeological Consultants, Inc.), lalexander@alexanderconsultants.net

[Williams] Lithic Analysis of the Williams Springs Assemblage

Lithic analysis of the Data Recovery at Site 1MA1167, Williams Springs, documented a Middle to Late Archaic, and Middle Woodland to late Middle Woodland components. Over 60 percent of the collection consisted of Lanceolate Expanding Stem, and Lanceolate Spike clusters of projectile points. A biface reduction and production failure sequence with preference for locally available chert was documented. Blade cores, specialized flake technology, and microtools were also documented. The Bell Hill phase in the Middle Tennessee River Valley is outlined in detail for comparison.

Amundsen, Colin (University Museum Bergen, Norway, amundsen@gmail.com) and Cris B. Santistein (Norwegian Institute for Cultural Heritage Research)

[Outside the Grid] Field archaeologists by day, Podcasters by night: What we’ve learned along the way from podcasting to the public

At the blog and podcast “Cooking with Archaeologists” we are using digital media and our experience in the entrepreneurial world to reach out to the general public. In this fun and fast paced talk we will present to you our story, what we have learned from this exciting and somewhat demanding venture, and how podcasting can bring the general public new knowledge and a “behind the scenes” peek at the life of an archaeologist.

Arden, Traci (University of Miami, tarden@miami.edu)

[FL Arch] Tracking the Matecumbe: Material Culture of the Prehistoric Florida Keys

The Matecumbe Chiefdom Project was initiated in 2009 to seek material correlates of the ethnohistorically described patron-client relationship between the prehistoric inhabitants of the Florida Keys and the Calusa. Tribute collection from regional polities is a defining characteristic of Calusa complexity but what regional polities? Excavations into the largest preserved midden in the Keys provide a wealth of new primary data to address the nature of prehistoric life in this environmentally unique setting. New dietary, artifact, and environmental data are used to measure the heterogeneity or homogeneity of Keys’ settlement in comparison to well established Calusa configurations.

Ashley, Keith (University of North Florida, kashley@unf.edu)

[Cottier] Early Yamasee Settlements in Northeastern Florida (1667-1683): Infidels in the Fields of the Lord

In the late 1660s, Yamasee communities situated near the Georgia-South Carolina border relocated to the mission provinces of Spanish Florida under mounting attacks by Chichimeco/Westo Indian slave raiders. In peninsular Florida, these refugees, who refused Catholicism, settled at abandoned mission locations once occupied by coastal Mocama and Timucua living along the St. Johns River. By 1683, most of these towns were emptied as the Yamasee evacuated Florida and fled north to English Carolina. This paper reviews this initial phase of Yamasee occupation in Florida and synthesizes what is currently known about Yamasee archaeology in northeastern Florida.

Auerbach, Jeffrey (University of Georgia, auerb001@gmail.com)

[Gen] New Look and the Old South: Statistical Exami-

nations of The Registers of Free Negroes and Mulattos of Virginia

Virginia’s Registers of Free Negroes and Mulattos have used to attempt to answer questions about the role of birth status (Bodenhorn 1999) and the effects of specific events such as the Nat Turner revolt (Auerbach 2014) on health and welfare. This paper seeks to draw on a newly created database to understand both the role of the Turner Revolt on free born blacks as well the role that other factors, including as geography, birth year, and age at emancipation may have had on the health and welfare of slaves and free blacks in antebellum Virginia as measured in living stature.

Ayers-Rigsby, Sara (Florida Public Archaeology Network, sayersrisgby@fau.edu)

[Outside the Grid] Drones! Exploring the unknown through technology

The use of drones for archaeological research has been extensively well documented, but drones also have a role to play in public outreach. In this paper we will examine how we can use drones as a public outreach tool to make remote sites ‘visitable’ to the general public, as well as incorporating drone technology into survey of inaccessible (and alligator-infested) sites.

Babson, David (dbabson56@gmail.com)

[Shaping] Always Ask a Question, David! Remembering Dr. Joan Gero

I entered the MA Program at USC in 1984 after six years as a CRM tech. I "did" archaeology for one simple reason--I got paid to do it. My plan was to still "do" archaeology, but get paid more. Then, Joan Gero insisted that we ask questions of our information, to avoid misuse of the archaeological record. Now, that's what I do--I ask questions of farmsteads, airplane hangars, maple syrup boiling sites and, lately, dry docks on the Erie Canal. I'm still a tech but, I'll account that I am now an archaeologist. Thank you, Joan.

Baires, Sarah (Eastern Connecticut State University, bairess@easternct.edu) and Melissa Baltus (University of Toledo)

[Shamans] Earth Moving, Pottery Caching, and Extra-Domestic Architecture at Cahokia’s CABB Tract

Human engagement with the world includes forging and maintaining relationships with social agents, visible and invisible, which are simultaneously religious, social, and political. Using data from recent excavations at Cahokia, we examine how past persons engaged with the supernatural through the construction of an urban environment. We explore the ‘doings' (after Fowles 2013) of building and shaping the landscape through borrowing earth and creation of low spaces, caching pottery vessels, and construction and use of extra-domestic architecture. Focusing on a non-mound landscape, we examine the intersection of the supernatural and daily life through the movement of earth.

Balco, William (University of North Georgia, william.balco@ung.edu)

[Moonshine] Spanning Past and Present: Archaeological Testing of the Yahoola High Trestle in Dahlonega, Georgia

Archaeological testing at the Yahoola High Trestle in Dahlonega Georgia has explored the construction, use, and abandonment of the structure. The trestle was an important component of America’s first gold rush, supplying high-pressure water to hydraulic mining operations in Dahlonega, Georgia. This paper presents the results of archival research and excavations conducted in 2015 and 2016, demonstrating that the structure was likely not as substantial as it was originally intended and was likely disassembled by scavengers after it became obsolete. Furthermore, this paper discusses the significance of gold rush era sites as important components of Americas industrial heritage.

Barbour, Terry (University of Florida, terry.e.barbour@ufl.edu)

[Ritual] A Long String of History: Shell Beads in the Mississippian Southeast

Shell beads have been manufactured and used throughout the Southeast over the course of eight
millennia. Despite significant discontinuities in the history of shell beads, threads of continuity or similarity are found in many mortuary contexts, where beads are often included in the graves of children and women. An historical perspective on Mississippian shell beads reveals recurring significance and meaning to grave inclusions that belies its discontinuity with earlier contexts, such as those of the Archaic period documented by Cheryl Claassen. Historical trajectories of shell beads may further evince deeper meanings within Mississippian populations.

Barnes, Jodi  
(Arkansas Archaeological Survey, University of Arkansas, jabarnes@uark.edu)

[Public] Public Archaeology as Feminist Archaeology: Remembering Dr. Joan M. Gero

When one thinks about public archeology, Dr. Joan Gero and feminist archaeology do not automatically come to mind. But Gero’s commitment to engendering archaeology, doing science as a feminist, and fostering an archaeology where the past is studied in native languages with native imaginations profoundly shaped the practice of public archaeology. In this paper, I explore multivocality, collaborative forms of knowledge production, and the necessity of making interpretations more meaningful as linkages between feminist and public archaeologies, while discussing Gero’s influence on my work as a public archaeologist in Arkansas.

Barrier, Casey  
(Bryn Mawr College, cbarrier@brynmawr.edu)

[Shamans] Potent Plants, Powerful Animals, and Sacred Space: An Opportunity to Consider Religious Experience through Excavated Deposits at an Early Mississippian Mound-Town

Excavations at an early Mississippian mound-town in the American Bottom have produced items that together provide a rare look into material components of religious practice. While the symbolism of items and their associations are considered, this paper examines their occurrence together, with other items, and within contexts that provide a glimpse at specific ritual experiences. This includes the preparation of hallucinogens like tobacco in special architectural spaces, and the consumption of potent plants and the reference to revered animals during public feasting events. The timing and spatiality of these activities during an era of significant regional transformations are also considered.

Baughman, Pamela  
(Georgia Department of Transportation, pbaughman@dot.ga.gov)

[Roads] Overview of GDOT Archaeology and its contribution to Georgia Archaeology

From the days of the partnership between the State Highway Department and the Georgia Historical Commission, transportation projects have intersected with archaeological sites. This overview of how the now Georgia Department of Transportation has managed compliance with cultural resource laws and exercised its state agency responsibilities for stewardship of archaeological properties will examine the development of survey and testing methodologies, the application of new technologies, management decisions, tribal consultation strategies, research themes, public outreach initiatives, and the curation guidelines. These efforts will be contextualized within the progress of Georgia archaeology as a whole, so that GDOT’s contribution can be analyzed.

Baumann, Timothy  
(University of Tennessee, tbaumann@utk.edu) and Charles Faulkner (University of Tennessee)

[Public] Knoxville Unearthed: Archaeology in the Heart of the Valley

In 2016, the city of Knoxville, Tennessee, is celebrating its 225th anniversary since its founding in 1791. Knoxville’s heritage is filled with well-known people and events, but very little is known about the lives and contributions that everyday people have made towards is growth and prosperity. This is particularly true of the working class, women, and minorities. Historical archaeology research in and around Knoxville has been used to unearth these hidden stories from the artifacts and building foundations that they left behind.

Beaman, Thomas  
(Wake Technical Community College, tbeamanjr@aol.com)

[Dr. James Sprunt, the Colonial Dames of America, and Lawrence Lee documented the material presence of the town in varied ways from the mid-19th to early 20th centuries. However, it was historian Lawrence Lee who began the first archaeological investigations in 1958 that pioneer archaeologist Stanley South continued until 1968. Only limited studies tailored to specific tasks have been conducted since. This presentation reviews the history of ground disturbing activities and present state of the artifact collections.

Beasley, Virgil (University of Alabama, vrbasle@ua.edu)


In 2016, the Office of Archaeological Research at the University of Alabama conducted archaeological endeavors at Old Cahawba Archaeological Park, the site of the first capital of Alabama. In the course of this project, we used ground penetrating radar aimed at: locating unmarked graves at the three town cemeteries; locating remains of the original Alabama Statehouse; conducted Public Archaeology Days excavating a portion of the located Statehouse; locating the arc of the Native American moat, attempting to locate the Native American mound; and, survey to locate aboveground features. This presentation will be an overview of the project’s goals and results.

Bennett, Sarah (New Smyrna Museum of History, sarah.bennett.archaeo@gmail.com) and Lianne Bennett (Deland High School)

[Gen poster] Collaborative Curriculum: An Archaeologist and an Educator Develop Project Archaeology: Investigating a Light Station

In 2015, the Florida Department of State awarded the Florida Public Archaeology Network a community education small-matching grant. The result: Project Archaeology’s 16th Investigating Shelter curriculum, which examines the St. Augustine Light Station. As the curriculum developers, we employed Project Archaeology’s backward design template to use authentic archaeological data, descendant accounts, historical documents, and geographical information to enable 3rd-5th graders to investigate the shelter. Through readings, interactive pages, authentic assessments, and hands-on activities, students grasp a series of Enduring Understandings. From researching, writing, and editing, we offer highlights, innovations, successes, and challenges experienced throughout the curriculum development process.

Berger, Stephanie (University of North Carolina - Chapel Hill, mestan@live.unc.edu) and Dale Hutchinson (University of North Carolina - Chapel Hill)

[SE Bio] Trauma Patterns at the Forbush Creek site in Piedmont North Carolina

A recent re-analysis of the Forbush Creek skeletal assemblage provides new insight into the lived experiences of individuals from the Early Woodland-Late Woodland Uwharrie phase period (AD 700-1200) in the western Piedmont. Characterized by ossuaries containing the disarticulated, bundled remains of multiple individuals, the earlier Woodland burials exhibit elevated rates of cranial and post-cranial skeletal trauma, most commonly healed long bone fractures, compared to Late Woodland individual pit internments. The contrast in trauma patterns and rates between these assemblages provides evidence of changing cultural practices, environmental exposures, and group interaction during the Early-Late Woodland transition in the Piedmont region.

Bezemek, Eric (National Park Service, eric_bezemek@nps.gov)

[Environmental] Shoreline Erosion and the Lost Colony of Roanoke

In June of 2016, the Southeast Archeological Center (SEAC) conducted excavations at Fort Raleigh National Historic Site to investigate areas of the park that were eroding into the Roanoke Sound. SEAC archeologists partnered with Dr. Eric Klingelhofer and Eric Deetz of the First Colony Foundation for the undertaking. Dr.
Klingelhofer and Deetz had previously identified areas where Elizabethan period artifacts had eroded from the bluff. A series of 2x1 meter excavation units were placed at the locations they suggested and artifacts related to the Lost Colony and an early 17th century farmstead were recovered.

Birch, Jennifer (University of Georgia, jabirch@uga.edu) and Ronald F. Williams (Affiliation??)

[Power] Initial Northern Iroquoian Coalescence: Who Pushed the Process?

Northern Iroquoian societies experienced two phases of community coalescence. This paper addresses the first which, in the thirteenth century, brought formerly disparate populations into larger agglomerations. While these small but growing farming communities underwent changes similar to that of the Neolithic transition elsewhere, we believe that male taskscape seem to have differed little over the period in question and that women may have been the primary drivers of change. These developments necessitated more complex social and power relations both within and between communities, leading to what has traditionally been recognized as the Iroquoian cultural pattern.

Bisset, Thaddeus (Northern Kentucky University, bissett1@nk.edu), Stephen Carmody (University of the South) and Shane Miller (Mississippi State University)

[Ritual] Changing channels: Considering the effects of river channel migration on shell-bearing site histories

Two discrete shell-bearing deposits at 40DV307 date to approximately 3500 and 1800 BP, and are separated by a thick shell-free midden dated between 2900 and 2000 BP. Particle-size analysis indicates shell deposition occurred while the Cumberland River was comparatively close to the site, but the shell-free midden accumulated when the channel had moved further to the west. Substantial transformations in cultural practices are undoubtedly represented at deeply-stratified sites with centuries-long occupational histories. As we interpret these histories, however, we must also consider the influence of long-term natural processes on the ways people utilize specific loca-

Blair, Elliot H. (University of Alabama, eh-blair@ua.edu)

[Guale] Situating Fallen Tree in the Mission Santa Catalina de Guale Landscape

The Fallen Tree site (9Li8) located on St. Catherine's Island, Georgia, is one neighborhood located within the broader community of Mission Santa Catalina de Guale. In this paper I situate Fallen Tree within this landscape, drawing on shallow geophysical surveys, ceramic analysis, and more limited architectural data. Using these data I discuss the temporal and social positioning of Fallen Tree in relation to four other residential neighborhoods at Mission Santa Catalina, contextualizing this analysis in terms of the complicated patterns of population relocation and aggregation within the 17th century Spanish missions of La Florida.

Blakney-Bailey, Jane Anne (Consultant, jblakneybai-

[Native] King Payne’s Log Cabin: Historical and Archaeological Accounts of a Seminole Settlement

In the 18th and 19th centuries, Creek Indians from Alabama and Georgia migrated to north-central Florida, where they became known as Seminoles. They soon interacted with European and American inhabitants with whom they exchanged materials and ideas. One historically documented settlement was Paynes Town (1790-1812). A consistent characteristic in historical records was that its chief, “King Payne,” lived in a log cabin. This kind of home would have diverged dramatically from the earlier Creek households. Fieldwork (2003-2004) conducted at Paynes Town revealed data on how King Payne and other occupants may or may not have adopted new domestic architecture.

Blankenship, Sarah A. (University of Tennessee, sblanken@utk.edu), Rob Bonney, Hamilton H. Bryant (University of Mississippi), and Allison M. Smith (University of Mississippi)

[Cottier] Eastbound and Down: Moundville III Immi-

grants and the Ebert-Canebreak Site (1Mc25), Macon County, Alabama

From 1997-2014 John W. Cottier and Auburn University led intensive field investigations at Ebert-Canebreak, situated at the confluence of the Tallapoosa River and Calebee Creek in Macon County, Alabama. Previous research established that Ebert-Canebreak was occupied intermittently from the Archaic to Mississippian periods; the latter occupation evidenced, in part, by burned wattle-and-daub structures enclosed by a ditch feature. Here we present the results of ongoing analyses of ceramics recovered during structure excavations at Ebert-Canebreak, which indicate that the Mississippian occupation is the result of the migration of Moundville III groups from the Black Warrior River Valley during the 15th century.

Blanton, Dennis (James Madison University, blantodb@jmu.edu), Daniel Sumner, Chet Walker (Archaeo-Geophysical Associates, LLC) and Jared Wood (Georgia Southern University)

[Poster] Astronomical Observation and Application of a Standardized Measure in the Layout of a Mississippian Mound Center: New Evidence from Southwestern Georgia

We marshal evidence of a cultural landscaping process at Heritage Mounds (9DU2) in Dougherty County, Georgia that was based on celestial observation and application of a standardized unit of measure. We also argue the site was a “vacant ceremonial center” that served a pioneering population taking up residence in the area during the 13th century. Heritage Mounds was a vastly under-documented Mississippian mound center prior to our investigations beginning in 2014. Results of archaeological testing, mapping, and extensive geophysical survey now combine to reveal the timing, planning logic, and function of this important Middle Mississippian locus in the Chickasawhatchee basin.

Boatwright, April (University of West Georgia, aprilboatwright@gmail.com)

[Gen] The Mound beyond the Mound: Reconfiguring a Seventh-Century Civic-Ceremonial Center on the North Gulf Coast of Florida

After several generations of occupation, Shell Mound (8LV42) on Florida’s northern Gulf coast was constructed into its final arcuate form using extant oyster midden. Simultaneously, at roughly AD 600, a State Archaeologist and a prominent Southeastern archaeologist, Larson is best known for his fieldwork at the Etowah Mounds in Northwest Georgia and along the Southeastern coast. This paper presents the details of a public history project honoring Dr. Larson’s life-long commitment to Georgia archaeology, and his enduring contribution to the excavation and research of the Etowah Indian Mound Historic Site (9BR1). The goals of this project are to digitize records from Larson’s time spent as Georgia’s state archaeologist, and to develop a public exhibit highlighting his contributions.

Bolte, Christina L. (University of West Florida, clbolte82@gmail.com), Marsha Welch (Tennessee Department of Transportation), Lauren Woelkers (East Tennessee State University), Luncinda Langston Dockstader (Bureau of Land Management), and Jay D. Franklin (East Tennessee State University)

[Poster] The ESTU Valleybrook Archaeological Education and Curation Center: Applied Archaeology Education, Public Outreach, and Confronting the National Curation Crisis

Since 2013, the ESTU Valleybrook Archaeological Education and Curation Center has provided students with practical experience through field work, lab analysis, and research opportunities. The facility has also hosted middle and grammar school students (including Native American students) and other community members interested in understanding the history of their region and how archaeologists endeavor to preserve cultural heritage. This poster discusses contributions the facility has made to Tennessee archaeology and future directions that will not only enhance applied archaeology education but also assist the state and surrounding regions with confronting the national curation crisis.

Boucher, Anthony (University of Florida, aboucher@ufl.edu)

[Gen] Georgia’s Lost and Found: The Public History of Lewis Larson’s Contributions to Georgia Archaeology

Lewis H. Larson, Jr. (1927-2012) was Georgia’s First
small mortuary mound was constructed 250 meters landward to the northeast. Recent testing of remnants of the latter mound shows that it too was constructed from extant midden. Survey of the peninsula connecting the two locations showed the area to be devoid of contemporaneous material and shell. Regionally, reconfiguration signals changing ideological relationships between the living and the dead that accompanied Weeden Island practices of the subsequent two centuries.

Boudreaux, Tony (University of Mississippi, tboud@olemiss.edu), Emily Clark (University of Mississippi), Jay Johnson (University of Mississippi), Brad Lieb (Chickasaw Nation), John O’Hear (University of Mississippi), Allie Smith (University of Mississippi)

[General] Investigations at 22Ok778, An Early Contact Period Site in Northeast Mississippi

This paper reports on recent investigations at 22Ok778, a site located in the Black Prairie of northeast Mississippi. The presence of late prehistoric pottery types and iron artifacts consistent with use during the sixteenth-century suggests that 22Ok778 will be important in understanding the Contact period in the Black Prairie where it is known from ethnohistoric accounts that several native groups—including the ancestors of the Chickasaw—were living when the De Soto entrada wintered there. Preliminary results from remote sensing, shovel testing, systematic metal detecting, test excavations, and block excavations are presented.

Bow, Sierra (University of Tennessee, swentwo1@vols.utk.edu)

[Shamans] The Painted Past: Understanding the Manifestation of Mississippian Religion through Paint

Material manifestations of religious practices include a variety of items, which are often enveloped in how Mississippian cultures viewed the cosmos. Paint, or color, becomes prevalent during this period, used to decorate and even sanctify a variety of media including earthen mounds, structures, caves, rockshelters, ceramics, and even the body. Here, two non-destructive analytical techniques are used to examine the chemical and mineralogical constituents of paint recipes from the Cumberland Plateau and East Tennessee regions. These data are used to draw meaningful conclusions concerning the role paint played in how Mississippian ideology was materially expressed.

Bowne, Eric (University of Central Arkansas, ebowne@uca.edu)

[General] The Secretary and the Devil’s Clerk: Christian Priber, James Adair, and Southeastern Indian Ethnohistory

James Adair’s The History of the American Indians is widely considered to be among the most important sources of eighteenth-century ethnographic information concerning Southeastern Indians. Intriguingly, the nature of the work is unlike that of others from the period, exhibiting a systematic approach and a culturally relativistic point of view that, according to Charles Hudson, makes Adair sound at times “almost like a modern anthropologist.” What accounts for this uniqueness? I speculate that Christian Priber, a German intellectual who lived among the Cherokees and corresponded regularly with Adair, may have deeply influenced the Englishman’s work, perhaps even inspiring it.

Bradbury, Andrew (Cultural Resource Analysts, Inc., apbradbury001@gmail.com), Phillip Carr (University of South Alabama), and Sarah Price (Wiregrass Archaeological Consulting)

[General] Experimental Knapping of Small Secondary Gravel Cherts

We report on the results of experimental knapping of small chert cobbles. A series of core and biface experiments were designed to allow investigation of reduction type/stage. Traditional analytical methods showed mixed results. Common attributes for assigning flakes to reduction stages are of questionable value due to qualities of small gravel cherts: initial size, proportion of cortex, and approach to reduction. Analysis of the experimental dataset using aggregate methods shows promise as a more reliable method for evaluating chipped stone tool production from this material type. The method is demonstrated with application to site 22LI504, an Archaic mound site.
Bradley, Matthew T. (Independent, matbradl@gmail.com) and Lucinda Langston Dockstader (Bureau of Land Management)

[Gen] Bedrock Mortars at the Water’s Edge

A twelve week survey of the southern extreme of the Big South Fork NRRA documented nine sites associated with Bedrock Features (BRFs, i.e., mortars, metates, and/or cupules). Of these, five are independent BRF sites on or in the Clear Fork, two are rock shelters with associated cascades, and two are dry shelters. The distribution and internal arrangement of the nine sites suggest the importance of the area for acorn gathering and acorn meat processing and lend support to the interpretation of one of the dry shelters as a women’s retreat.

Bragg, Rachel (Brockington and Associates, rachelbragg@brockington.org)

[Outside the Grid...] Pencils, not Shovels

The adoption of Common Core Standards provides an opportunity to teach archaeology in the classroom. The standards have increased the focus on primary documents, critical thinking, and student research. This makes archaeology the perfect vehicle for teaching science, math, and social studies. Decreased field trip budgets make it imperative that educators bring the excitement and curiosity of firsthand experience into the classroom. This can be accomplished with well-crafted, subject-specific, lesson plans.

Brannan, Stefan (University of Georgia, sbrannan@uga.edu)

[Archaeology in Action] Reconstructing Settlement Histories through Ceramic Analysis: Refining the Ceramic Chronology for Singer-Moye

In this paper, I explore the ceramic assemblage from the community centered upon Singer-Moye, a large (30+ ha) mound center located in the lower Chattahoochee River valley. My analysis employs decorative and formal attributes to refine the local ceramic chronology, connect ceramics to radiocarbon dates, and generate a revised occupational history. This includes initial occupation, the construction and use of mounds and plazas, and episodes of population aggregation and dispersal. When situated within the regional settlement history, a narrative emerges which illustrates how the Singer-Moye community contributed to and was influenced by larger processes of socio-political change.

Briggs, Rachel (University of Alabama, rvbriggs@crimson.ua.edu)

[General] Communities of Practice of the Hominy Foodway During Early Moundville

Researchers generally agree that the origins of the ritual ceremonial center of Moundville, located in west-central Alabama, was shaped by non-local peoples moving into the area. However, the power dynamics and degree of social integration between these new peoples and those endemic to the area is still highly debated. Using data generated from a stylistic analysis of Mississippian standard jars dating to the Moundville I phase (AD 1120-1250), I suggest this relationship was both inclusive and fluid, and ultimately resulted in the genesis of a new identity that was fundamental to the construction and development of the resulting center.

Brown, Ian (University of Alabama, ibrown@ua.edu)

[Documenting Early European/Native American Contacts...] An Examination of Marvin T. Smith’s Archaeology of Aboriginal Culture Change in the Interior Southeast and Coosa

Marvin T. Smith has had a long career in Southeastern U.S. archaeology and ethnohistory. In addition to numerous articles that were generated over more than four decades of research, he also published two important books dealing with the early historic period that were published by the University Press of Florida: Archaeology of Aboriginal Culture Change in the Interior Southeast: Depopulation during the Early Historic Period (1987) and Coosa: The Rise and Fall of a Southeastern Mississippian Chiefdom (2000). My paper highlights the impact that these volumes have had on our understanding of this very dynamic period.

Bubp, Rebecca (University of North Carolina at Charlotte, rlbubp@gmail.com) and Alan May (University
Holly Bend was considered the largest plantation in Mecklenburg County owned by Robin (Robert) Davidson. The main house was built in the late 1700s and completed by 1801. Robin Davidson was the largest planter in the area with 2,803 acres as well as slaveholder at the time, 109 slaves total. The plantation has been researched since 2011. In the summer of 2016, research continued with new areas excavated producing new finds to the archaeological record in the area of the "Old Kitchen".

Byers, Steven (Retired Adjunct, University of New Mexico, stevebyers2000@yahoo.com)

Paleodemography of the Woodland Period of Louisiana

The methods of paleodemography were applied to the burials from four Woodland Period sites in Louisiana. Sex and age were estimated using the methods in Buikstra and Ubelaker’s Standards for Data Collection from Human Skeletal Remains, as well as transition analysis for adults. The age-at-death distribution was analyzed for biases, and appropriate modifications to sex and age frequencies were made. Both life tables and Siler Survival functions were calculated on the total sample, as well as within each sex, and within early and later sites. It is hoped that this paper will spur renewed interest in paleodemography.

Byrd, Stephanie (East Carolina University, steph.m.byrd@gmail.com)

The Curious Case of Construction: A Wharf of Port Brunswick

Wharves in colonial towns typically had a fixed construction method. However, this fixed methodology is not the case at William Dry’s Wharf. During the excavation done by East Carolina University Field School, this structure showed a mix of locking joints in the timbers. The locking methods became more complex the deeper into the water the wharf was placed. An analysis of this construction is being completed to narrow the reasons behind the changes. This analysis will aid in future comparisons with other mixed construction wharves.

Cajigas, Rachel (University of Arizona, cajigas@email.arizona.edu), Matthew Sanger (Binghamton University), and Victor Thompson (University of Georgia)
Cross-Mended Ceramic Sherds as a Proxy for Depositional Processes at Two Late Archaic Shell Rings in Coastal Georgia

Characterizing the temporal nature of sediments lends insight into the construction of monuments and midden accumulation. Identifying discrete deposits at Late Archaic Shell Rings can be challenging due to the seemingly homogenous nature of shell deposits. Data from cross-mended artifacts can help identify surfaces and address if deposits are contemporaneous. We present cross-mend results from the St. Catherines Shell Ring and the Sapelo Island Shell Ring Complex. In both cases, we observed vertical distance between cross-mends suggesting that detailed spatial control of artifacts and cross-mend analysis can be used to understand the nature of anthropogenic deposition.

Campbell, Elizabeth Chance (University of Central Florida, bethchance@knights.ucf.edu) and Sarah Barber (University of Central Florida)

Against the Flow: A Post-Bellum Watermill in Central Florida

Small community watermills in Central Florida have gone virtually undocumented archaeologically and little is known about them except for written historical accounts. A GIS predictive model was developed to locate the previously undocumented Partin watermill built in early post-bellum Seminole County, Florida. The model successfully predicted the mill’s location and can be used to locate other mill sites. Subsequent excavations at the mill determined the millwright’s technological knowledge in designing, building, and using the mill. Excavations revealed the size of the mill, its industrial capacity, and the construction methods employed.

Campbell, Ross (University of Georgia, rmce82565@uga.edu), Russell Cutts (University of Georgia), David Braun (George Washington University), and J.W.K. Harris (Rutgers University)

Statistical Evidence For a New Method of Identifying Anthropogenic Fire in the Archaeological Record

Clarifying evidence for anthropogenic fire in the archaeological record has been subject to contention and vagueness. This uncertainty centers not on evidence for fire, rather what constitutes it being human-controlled. New research pursuing this question suggests that a peculiar angular fragment, termed thermal curved-fractures (TCF), are the byproduct of knapped materials (flakes, cores, bifaces) exposed at length to high heat. We present here results of experiments expanding our TCF database designed to test hypotheses A) are TCFs significantly, statistically, distinct from unfired debitage and B) are there potential TCFs residing in archaeological collections from sites purported to have evidence of (early) hominin-controlled fire? These results strongly indicate support for both hypotheses.

Cannon, Cayla (East Tennessee State University, zcmc46@etsu.edu)

Geophysical Survey of the Carter Mansion Site (40CR5) in Carter County, Tennessee

The Carter Mansion (40CR5) is a well-known state historic site situated on the edge of the Watauga River in Elizabethton, Tennessee. An ongoing geophysical survey of the property is being conducted to map and better understand the historic and prehistoric components of the site using ground penetrating radar (GPR), magnetometry, and electromagnetic induction (EMI). Several features have been identified in the GPR data, including a potential prehistoric house floor and the remains of the Carter family’s barn. Ground-truth excavations will begin this fall, targeting prehistoric features that can increase our knowledge of the Native American people that occupied the site.

Carmody, Stephen B. (Sewanee: University of the South, sbcarmody@sewanee.edu), Ryan Hunt (Rhodes College), Jon Russ (Rhodes College), Jera R. Davis (University of Alabama)

Smoke Signals: Identifying and Interpreting Ritual Tobacco Use in Prehistory

Smoking pipes are one of the most recognizable artifacts recovered from archaeological contexts in eastern North America. They provide direct evidence for the use of tobacco, considered to have been the premier sacred substance used in religious ceremonies in prehistory. Here we present the results of our recent GC/MS analysis of archaeologically recovered pipe residues to address questions regarding tobacco use, the role of hallucinogenic plants in ritual and reli-
religious ceremonies, and the role that tobacco played in the evolution of more complex social and religious organization.

Carter, Andrew (University of West Georgia, andyc.carter@gmail.com), Ashley M. Smallwood (University of West Georgia), Pamela Baughman (Georgia Department of Transportation), Jennifer Teeter (Georgia Institute of Technology), and Thomas A. Jennings (University of West Georgia)

[Of Roads] From Shed to Head: Sharing Stories, Inclusivity, and Student Engagement through the Long Swamp Exhibit

In partnership with GDOT, the Antonio J. Waring, Jr. Archaeological Laboratory is developing a traveling exhibit showcasing the Mississippian assemblage from the Long Swamp Site. The project is an educational-outreach initiative aiming to gather GDOT collections off Waring’s shelves and make them accessible to the public. The initial tour will reach tribal communities retaining ancestral and cultural connections to populations once present in Georgia. The value of inclusivity remained at the forefront throughout project development, leading to a sense of “curation” alongside tribal representatives; inclusion of student-employees has provided valuable experiences for the next generation of Public Archaeologists and Historians.

Carter, Jaimie (University of Georgia, jcarter3942@gmail.com), David Howington (University of Georgia), Shelby Reed (University of Georgia), Adam Coker (University of Illinois Urbana-Champaign), Jennifer Birch (University of Georgia), and Stefan Brannan (University of Georgia)

[General] Investigating the Use-Life of a Mississippian Structure at Singer-Moye

Magnetometer data from Singer-Moye revealed anomalies that resemble structures previously identified at other Mississippian sites (Davis et al 2015) Ten square meters of excavation were placed so as to investigate these anomalies We encountered two structural features: a central hearth and a line of three post molds The presence of a dense midden layer above the eastern half of the structure suggests post-abandonment refuse deposition These findings contribute insights into the use-life of structures and residential areas at Singer-Moye, contributing to the small corpus of residential data available for the prehistoric lower Chattahoochee River valley.

Chamblee, John (University of Georgia, chamblee@uga.edu)


From fat chiefs to hilltop busk sites, Mark Williams’ work has often humanized and diversified the prehistoric record of the greater southeastern United States and the Oconee Valley in particular. Perhaps lesser known among Mark’s contributions is his compilation of a Hitchiti dictionary for general use. In the introduction Mark argues that Eastern Muskogean language subdivisions were “set before the advent of the Mississippian period.” In this paper, I re-examine this premise in the context of archaeological, ethno-historic, and historical linguistic evidence, presenting an alternative hypothesis tied to the relative depopulation of the post-Colonial Native American South.

Claassen, Cheryl (Appalachian State University, claassenp@aol.com)

[Shamans, Priests...] A Probable Four-Age Rite

Native peoples venerate the four directions of the cosmos and associate each with a season, a stage of life A specific rite seems to have been directed at these cosmological elements, as a world renewal or cycle of life rite Based on contemporary native practices and understanding, including the Osage Rite of the Wa-Xo’-Be, it is proposed herein that an Archaic world renewal ceremony existed that incorporated four individuals each in a different life stage that may have required their ritualized death Here I develop the parameters of the 4-age rite, its variation in practice, its geographical extent, and antiquity.

Clark, Ryan (Prentice Thomas & Associates, rclark@pta.crm.com), Prentice Thomas (Prentice Thomas & Associates), James Mathews (Prentice Thomas & Associates), and Jan Campbell (Prentice Thomas & Associates)

[Gen] 8VO9454: Investigations of Human Remains from the Burial Ground at Florida Hospital DeLand
Annie Green, a gravely ill 36-year old mother of three, succumbed to TB while an inmate at Volusia County Poor House Abandoned by her husband and shunned by her stepfather, Annie was buried in the graveyard “behind” the poor house as a member of a marginalized, racially diverse group, interred in simple pine boxes and unmarked graves during 1889-1940 Until 2014, when an inadvertent discovery exposed 21 burials, and archaeologists recovered almost 10,000 fragments of human bone from comingled deposits This paper is a synopsis of the findings that finally give voice to the residents of the poor house.

Cochran, Lindsey (University of Tennessee, cochranl@vols.utk.edu)

[Gen] Near-Historic Sea Level Rise and Shoreline Changes on Sapelo Island, Georgia

Natural and anthropogenic climate changes, specifically from sea-level rise, are drastically reshaping coastal waterways and shorelines. However, few regional predictive models capture the longitudinal minutiae of hyper-local changes. In response, I combined georeferenced maps from 1868-2015 with DEM and LiDAR data to calculate the rate of change at high-risk areas of Sapelo Island, Georgia through transect-based digital surveys. Geospatial analyses are ground-truthed to: (1) test if climate changes are occurring at an increasingly rapid rate from 1860s-present; (2) calculate rate of change at site-specific scale; and (3) propose a triage system to identify, document, and mitigate at-risk cultural resources.

Coker, Adam (University of Illinois-Urbana-Champaign, adamc2@illinois.edu) and Jacob Lulewicz (University of Georgia)

[Archaeology in Action] Politico-Ritual Networks and the Rise of Etowah: A Network Approach to Political Power and Social Prestige

Using data on shell gorget iconography and associated ritual paraphernalia, social network analysis is employed to formally evaluate the sociopolitical networks from which Etowah emerged as a major civic-ceremonial center at approximately A.D. 1250. Recognizing that power and prestige were more than likely amassed through elite exchange networks, this paper explores how the specific form, scale, and structure of these potential networks contextualized Etowah’s development. This study contributes to our understanding of the exchange of symbolically charged materials across the U.S. Southeast and the role of these exchanges in the development of complex political institutions across the Southern Appalachian region.

Colaninno, Carol (Southern Illinois University Edwardsville, ccolani@siue.edu)

[General] Advancing Archaeology through K-12 STEM Education

American anthropology departments and archaeological programs are under attack from policy makers who criticize the relevance and scientific legitimacy of our discipline. As public funding for archaeology continues to be questioned, our discipline needs to convey the merit and impact of archaeological research to those individuals electing lawmakers—the public. One opportunity to strengthen our position in public opinion is to actively engage in K-12 and STEM education. I review current archaeological K-12 standards, examine selected southeastern states’ archaeological educational initiatives and programs, and propose a STEM-focused, interdisciplinary collective approach as a means to garner public support for archaeological research.

Colclasure, Cayla (University of Tennessee, ccolclas@vols.utk.edu), Martin Walker (University of Tennessee), Brooke Brennan (University of Tennessee), Anielle Duncan (University of Tennessee), Darcie McCafferty (University of Tennessee), David Anderson (University of Tennessee)

[General] Scratching the Surface: A Spatial Analysis of Precontact Artifacts and Features from the Topper Site (38AL23)

Current UTK field school excavations on the hillside at the Topper Site (38AL23) represent a shift in focus from the Paleoindian period to the Woodland and Mississippian periods at the site. Maps were constructed utilizing QGIS to document artifact distribution, feature arrangement, and to determine the extent of these later occupations. These site maps were then compared to similar datasets from other locations, including the Woodland occupation at the G.S. Lewis West site. This analysis provides insights into intrasite activity patterning, local settlement variation, and contributes to our knowledge of the Woodland period on the Southeastern Atlantic Slope.
Colvin, Matthew (University of Georgia, mhcolvin@uga.edu)

[Worlds in Flux] New Perspectives in Engaging Temporality of Sand Earthworks at Fort Center (8GL13), Glades County, Florida

This presentation examines mounds and other sand earthworks at the site of Fort Center looking specifically at variation in timescales of construction and use of individual earthworks. Recent work bridging multiple data sets offers a reassessment of how we can study monumentality by focusing less on idealized types and more on chronological sequences of construction and usage. Activities related to these monumental earthworks change through time and are situated among multiple temporal scales. Understanding relationships between the peoples and the Fort Center landscape requires a concerted effort to the establishment of chronological sequencing within and among individual earthworks.

Compton, J. Matthew (Georgia Southern University, jcompton@georgiasouthern.edu)

[Marksisst] Cape Wearers of the Southeast: Feather Mantles and their Archaeological Correlates

Inspired by a wide-ranging (and entertaining) lecture by Mark Williams on the use of capes as symbols of power and prestige, this paper examines the use of feather mantles by the Southeastern Indians. More than a simple utilitarian article of clothing, feather mantles often conveyed social status and authority. In addition, birds and their feathers played a significant role in the ideology and ceremonial life of many southeastern groups. Unfortunately, there is limited archaeological evidence for the manufacture, use, or trade of featherwork in the Southeast. Possible archaeological signatures of featherworking are explored, sometimes speculatively.

Comstock, Aaron (Ohio State University, comstock.aaron@gmail.com) and Robert Cook (Ohio State University)

[Gen] Early Fort Ancient Development: Findings from the Turpin Site, Southwest Ohio

Recent excavations at the Turpin site (33HA19) in southwest Ohio have reestablished the importance of population movement in cultural emplacement in this region. Work at Turpin and other sites in the Miami Valleys suggests that an influx of Mississippian people catalyzed change beginning around AD 1050. Results from excavation and analysis of assemblages from two wall-trench structures are presented. Findings suggest that early occupation (AD 1030-1200) of Turpin is consistent with small Mississippian sites. Later occupation (AD 1200-1275) is consistent with “typical” Fort Ancient sites. These findings imply that Mississippian involvement was seminal in the development of Fort Ancient culture.

Cook, Robert (Ohio State University, robertcook526@gmail.com)

[Power of Villages] The Village Remains the Same: The Case of the Fort Ancient Village

Power dynamics are examined in primary and secondary village formations in Fort Ancient villages within the Miami Valleys. These villages developed in close connection with early interactions with Mississippian migrants and remained relatively constant through time despite major shifts in certain aspects of material culture and diet. Village origins are linked to a series of general processes and specific historical developments involving exploitation of a particular type of environmental niche, reuse of ancient monuments, and referencing Mississippian events. Comparison with potential descendant villagers allows for heretofore unrecognized connections to be explored for Fort Ancient, particularly with Dhegiha Siouan tribes.

Cooper, Jessica (University of South Carolina, jessmcooper5@gmail.com)

[General] A Functional Analysis of Yadkin Bifaces in the Middle Savannah River Valley

The Woodland period (3000 - 1000 B.P) marks a time of vast change in settlement, foodways, and religion throughout the Southeast as pottery and the bow and arrow become widespread. One of the tool types that dominates the archaeological record from this time is
the Yadkin biface. Yadkins are found almost exclusively in Middle Woodland contexts, suggesting that they had an important role in the cultural changes that accompanied the Middle Woodland. The primary goal of this research is to assess whether Yadkins functioned as arrow points using Michael Shott’s one and two variable discriminant function analyses and macro-fracture analysis.

Cordell, Ann (Florida Museum of Natural History, cordell@flmnh.ufl.edu) and Neill Wallis

[General] Ceramic Petrography and Woodland Period Social Interactions in Florida and the Southeastern United States

Swift Creek Complicated Stamped pottery from the lower Southeastern U.S. is a premier material for the systematic study of Woodland interactions. Petrographic analysis of Swift Creek pottery was undertaken as part of a research program that integrated materials analyses of pottery, including Neutron Activation Analysis, digital imaging of paddle stamp designs, technological analysis, and absolute dating, to identify patterns of social interaction. Over 200 samples have been thin sectioned from more than two dozen sites across Florida and Georgia, dating between AD 200 and 800. Integrative results indicate that interactions were geographically extensive, but clearly most intensive along particular corridors.

Coughlan, Michael (University of Georgia, coughlan@uga.edu) and Donald Nelson (University of Georgia)

[Gen] Human niche construction and legacy effects at the Calhoun CZO: The relationship of land use legacies and historical settlement patterns

Recursive human behaviors such as predation, fire use, and agriculture can have long term, landscape-level effects. Successive generations and occupations inherit landscape conditions often determined by prior land use activities. In this paper, we test for legacy effects of prior niche construction on succeeding settlement patterns at the Calhoun CZO on the South Carolina Piedmont. We take a long view, examining the archaeological and historical archives spanning the period between Paleoindian occupation through the Euro-American settlement period. We suggest that niche construction may create lagged feedbacks in socioecological systems, whereby land use legacies influence successive settlement and land use strategies.

Cranford, David (University of North Carolina-Chapel Hill, cranford@unc.edu)

[Worlds in Flux...] Tracing Rapid Cultural Transformations within the late 18th century Catawba Nation

During the late 18th century, the Catawba Nation experienced profound cultural changes over a relatively short time as community members adjusted to a series of transformative events. Benefiting from a rich documentary record, successive short-lived domestic occupations, and a nearly continuous archaeological record of Catawba settlements between 1750-1800, it is possible to trace rapid cultural change experienced by the Catawba. This paper will highlight just a few of the transformations observed within the Catawba material record including dramatic shifts in architecture, pottery production, and foodways.

Cross, Benjamin (Ohio State University, cross.500@osu.edu)

[Gen] A Tale of Two Structures: Analyzing Inter-Structure Space and Community Layout at Ames, A Mississippian Site in West Tennessee

Ames (40FY7) is an Early-Middle Mississippian period town with at least two dozen structures, four mounds, and plazas enclosed within a palisade located in Fayette County, Tennessee, which dates to A.D. 1050-1300. Very little research has been done on Early-Middle Mississippian settlements in West Tennessee, resulting in very little being known about the social life history of these sites. Recent research at Ames has utilized multiple lines of evidence such as magnetometry data, surface collections, and excavation to determine the function and organization of space throughout the site, as well as identifying a changing community layout over time.

Crothers, George (University of Kentucky, gmcro2@uky.edu), Scott Rivas (Indiana University of Pennsylvania), Renee Walker (State University of New York, Oneonta), Tanya Peres (Florida State University), Bonnie Styles (Illinois State Museum), and Sarah
Neusius (Indiana University of Pennsylvania)

[Poster] Finding the X Factor: Defining Environmental, Demographic, and Cultural Influences on Aquatic Resource Use During the Eastern Archaic

Traditional explanations for variability in Archaic Period use of aquatic resources have relied on habitat variability and environmental change as well as population growth and aggregation. However, archaeologists also argue that cultural factors may have been important causes. Thus, the Eastern Archaic Faunal Working Group has developed methods for examining local, sub-regional, and regional cultural variability in addition to chronological correlations with environmental factors. We also have developed proxies for Archaic demographic change to evaluate the role of human population. Finally, we are exploring methods for assessing how cultural preferences and population interactions might explain resource variability.

Cutts, Russell B. (University of Georgia, rcutts@uga.edu)

[Map] Beyond Square Holes: rhyme and reason for edge-pushing in archaeological science

Mark Williams is a respected field archaeologist, yet his career may be more marked by efforts outside of excavation units. His willingness to question ‘conventional wisdom’, coupled with an ability to innovate methodology, has provided novel insights... and not only for Southeastern research. Additionally, Dr. Williams’ leadership and organizational skills have pioneered the Georgia Archaeological Site Files into a data-paragon that is the envy of such institutions. As a mentor and colleague, Mark has inspired many to pursue vocational archaeology—in academia and beyond.

Cyr, Howard (University of Tennessee, hcyr@utk.edu)

[Gen Sess] A Geoarchaeological Approach to Site Distributions and Settlement Patterns Along the Little Tennessee River, East Tennessee

Geoarchaeological research along the Little Tennessee River in east Tennessee examines local archaeological site distributions with respect to a dynamic riverine landscape. Located at the base of the western foothills of the Smoky mountains, the area contains a distribution of sites spanning the Early Archaic to Mississippian periods with sites consisting of open air camp sites to a palisade village. Integrating remotely sensed data, floodplain stratigraphy, and artifact distributions, this study offers new insight into site distribution patterns and human-environmental interactions along the Little Tennessee River and their relationship with early to middle Holocene environmental change within the intermountain Southeast.

Daniel, Randy (East Carolina University, daniel@ecu.edu)


In North Carolina, collaboration between professional and avocational archaeologists remains informal—particularly with respect to those that participate in artifact collecting. Given that some private collections do have scientific value, increased collaboration between both groups is warranted. Moreover, this work can engage collectors in a way that is consistent with our discipline’s ethical principles. But such work is not without its challenges. During three decades of working with collectors I’ve struggled with three concerns: verifying artifact provenience, avoiding fakes, and commercialism. Nevertheless, these issues are not insurmountable and I provide my perspective as a point of reference.

Davis, Jera (University of Alabama, jrdavis1@crimson.ua.edu)

[Worlds in Flux] Eventfulness in Moundville Identity, Landscape, and Architecture

Moundville’s mound-and-plaza layout is a testament to the unified vision of its designers and creators - contemporaries whose lives spanned a decades-long turning point in Black Warrior Valley history. This paper measures the pace of change at Early Moundville through the lens of archaeogeophysical and architectural data, focusing particularly on revolutions in settlement layout and content that accompanied polity formation in the early thirteenth century.
**Davis, Steve** (University of North Carolina, rpsdavis@unc.edu)

[Documenting Early European/Native Contacts] Archaeology at the Late Precontact Wall Site in Central North Carolina

The Wall site near Hillsborough, North Carolina, has long held a prominent position in the archaeology of North Carolina, first as a candidate for early eighteenth-century Occaneechi Town and later as an important example of a Piedmont Indian village on the eve of European contact. This paper examines the site's excavation history over eight field seasons between 1938 until 2016, and offers interpretations of the site's age, occupational history, cultural affiliation, and antecedents. Finally, the Wall site is placed in regional context as the type site for the Hillsboro phase (AD 1400-1600).

**Savana L. Deems** (Kennesaw State University, savanadeems@gmail.com) and **Terry G. Powis** (Kennesaw State University)

*[General] Reexamining the Woodland and Mississippian Periods in the Etowah River Valley*

Recent archaeological investigations at the Dabbs Site have brought to light dating issues for the Etowah River Valley chronology. Based on ceramic dating and radiocarbon assays, this small village site was most intensively occupied from the Late Woodland through Late Mississippian periods. Our ceramic typology does not correlate well with that of the nearby Etowah Indian Mounds, nor within the larger context of North Georgia. In this paper we discuss how we determined our dates, possible reasons why they differ from other sites, and how our dataset could be used to help understand temporal overlaps between periods in this valley.

**Delgado, Alex** (University of South Florida, adelgado3@mail.usf.edu)


Crystal River (8CI1) is a Woodland period site on the Gulf Coast of Florida, famous for its diverse suite of Hopewell artifacts and monumental shell mounds surrounding a central plaza. Historically, plazas were swept clean and kept free from debris, thus discouraging the possibility of recovering artifacts of any significant size. Nevertheless, an abundance of microartifacts associated with higher concentrations of phosphorus, sodium, and magnesium and a distinct geophysical anomaly in the southern plaza suggest a potential activity area associated with food preparation. Absence of residues at the northern end may suggest ceremonial activity which left behind little archaeological signature.

**Dent, Sophia** (University of North Carolina at Chapel Hill, sdent@live.unc.edu), **Katherine L. Reinberger** (University of Georgia), **Carson Rouse** (University of Southern Mississippi), and **Dale L. Hutchinson** (University of North Carolina at Chapel Hill)

*[Current Research in SE Bio] Dietary Deficiencies and Nutritional Inference in Piedmont North Carolina and Virginia*

In this paper, we discuss the complexities of interpreting lesions suggestive of dietary deficiency using case studies from the North Carolina and Virginia Piedmont region. Recent investigations of populations there indicate lesions were highest during the late prehistoric period (A.D. 1400-1600), a time of intense reliance on agricultural foods. The association between agricultural resources and increased pathology has been observed in many other populations and regions, but there may further questions that bioarchaeologists could ask of lesion etiologies. Physiological pathways to nutrition, complementarity of dietary resources, and the interaction of dietary deficiencies are only a few of the possible contributors.

**Deryck, Sean** (Kenyon College, derycks@kenyon.edu), **Russell Cutts** (University of Georgia), **David R. Braun** (George Washington University), and **J.W.K. Harris** (Rutgers University)

*[Gen poster] Ongoing excavations at FxJj20Main-Extension-0, Koobi Fora, Kenya*

Original excavation of FxJj20 sites in Koobi Fora, Kenya revealed nine oxidized patches described as combustion features associated with artifacts. Here we describe new excavations at a nearby new locality described as FxJj20Main-Ext-0. This excavation extends
previous work in order to explore potential combustion features with newer techniques. Three squares adjacent to a reddened feature yielded 18 bones and 33 stone artifacts. All bone was fragmented. Most stone artifacts were basalt. Nearest neighbor analysis showed nonrandom clustering on both the horizontal and vertical planes with minimal evidence of post-depositional disturbance.

Deter-Wolf, Aaron (Tennessee Division of Archaeology, aaron.deter-wolf@tn.gov)

[Mississippian Archaeology of the Cumberland] Return to the “Great Mound Group”: New Investigations of the Mound Bottom/Pack Landscape

Mound Bottom and the adjacent Pack site may represent the paramount Mississippian settlement in the Nashville Basin from AD 1000-1350. However, few modern excavations have been conducted and many aspects of these sites and their constructed landscape remain poorly-understood. Herein we discuss the use of LiDAR data to create the first sub-meter map of the entire Mound Bottom/Pack locality, confirm the survival of mounds and palisades, and identify previously unmapped features. Subsequent ground truthing of features at Mound Bottom constitutes the first excavations at that site in 40 years, and provides new information on prehistoric and historic site use.

DeVore, William (University of Alabama, wedevore1980@yahoo.com) and Keith Jacobi (University of Alabama)

[Current Research in Southeastern Bioarchaeology] The dead trade: Allocation and exchange of partitioned body parts and transformative proxies as physical and spiritual manipulation of skeletal remains in the Middle Tennessee River Valley.

The prehistoric Middle Tennessee River Valley has a deep history of cultural interaction that includes both the living and the dead. Reanalysis of skeletal remains from these early inhabitants has yielded two interwoven practices: the partitioning of human body parts and the use of transformative proxies. Partitioning is the removal and/or addition of skeletal elements. Transformative proxies involve the intentional joining of separate individuals together to complete the "Primary" interment. These two unique mortuary treatments are observed in both the archaeological and ethnohistoric records.

Doherty, Raymond (University of Mississippi, rdoherty@go.olemiss.com)

[Gen] Good Fare and Tribal Affairs: The George and Saleechie Colbert Site

The George and Saleechie Colbert site (22Le1048) in northeastern Mississippi is an early 19th-century Chickasaw occupation that has yielded an abundance of period artifacts as well as in situ architectural foundation features. It has also yielded an unexpected variety of native pottery, including over a dozen distinct modes of clay body recipe and surface treatments. This paper will also discuss the steps through which the Colbert site location was identified and confirmed, its Creek War context, as well as its role as the Chickasaw national council house and site of the 1816 Conference of Southern Tribes.

Donop, Mark C. (University of Florida, donopm@ufl.edu)

[Gen] Entangled Ancestor(s): The Palmetto Mound (8LV2), Levy County, Florida

The Palmetto Mound in Levy County, Florida was a mortuary center entangled in various ritual networks for about 2,000 years. Palmetto Mound on Hog Island was densely packed with human burials, diverse ceramics, and exotics that were interred from ca. 2700 to 700 BP. It was determined using neutron activation, petrographic, and isotope analyses that some of the people and objects, including rare mortuary effigies, were of nonlocal origin. This evidence suggests that Palmetto Mound was an important agent in ritual networks that fluctuated over considerable depths of time and space.

Drooker, Penelope (New York State Museum, pdrooker@hotmail.com)

[Documenting Early European/Native Contacts...] Chronology of Aboriginal Cultural Change beyond the Interior Southeast: A Fort Ancient Case Study

Marvin Smith’s artifact typologies, European trade goods assemblage chronology, and approach to the
study of culture change have been instrumental in unraveling intra-regional relationships and inter-regional interactions well beyond the interior Southeast. This paper discusses the middle Ohio River Valley Fort Ancient region as a case study of the influence of his research.

Duggins, Julia B. (Florida Bureau of Archaeological Research, julia.duggins@dos.myflorida.com)

[Ancient Water Worlds] Canoe Caching: A Hypothesis to Explain the Spatial Distribution of Florida’s Archaeological Logboats

This paper presents a hypothesis to explain patterned concentrations of canoes in Florida. Large clusters of canoes located at the beginning and ending points of navigation routes suggest that prehistoric people had a system of drop-off points, where canoes were cached for later use. Such a system is consistent with ethnographically recorded canoe-use practices among indigenous peoples in Florida and beyond. Canoe caching sites represent important places on the riverine landscape, marking the interchanges that connected communities from neighboring regions. This model is testable and has the potential to be used as a guide to find and protect ancient canoes.

Duggins, Ryan (Florida Bureau of Archaeological Research, ryan.duggins@dos.myflorida.com and Franklin Price (Florida Bureau of Archaeological Research)

[Current… Paleo] A drowned prehistoric burial site in the Gulf of Mexico

While fossil hunting underwater, a scuba diver recovered a partial prehistoric human mandible offshore of Manasota Key, Florida. The Florida Bureau of Archaeological Research was notified of the find, and conducted a Phase I survey of the area. Side scan sonar, sub-bottom profiler, and underwater investigations led to the identification of several in-situ burials, as well as a number of disarticulated human remains on the ocean floor. While the nature and full extent of the site is still to be determined, this presentation will introduce the site and present preliminary findings of this unique site.

Duke, C. Trevor (University of Florida, ctduke@mail.usf.edu)

[Gen] Beds of Plenty: Shellfish Intensification and Anthropogenic Impacts at Crystal River (8CI1) and Roberts Island (8CI41)

Interest in human impacts on pre-Columbian ecosystems has increased substantially over the last two decades. Shell landscapes along Florida’s Nature Coast encase millennia of past resource use practices and environmental change, yet are underappreciated in addressing these broader issues of human-environment interaction. This study uses zooarchaeological data from Crystal River (8CI1) and Roberts Island (8CI41), two Middle-to-Late Woodland Period (AD 0-1000) shell mound complexes, to elucidate this complex interplay between human decision-making and ecological variation. Ultimately, this research highlights a shift toward economic intensification late in the area’s history, and contextualizes resource acquisition strategies within changing social and environmental landscapes.

Dumas, Ashley (University of West Alabama, ashleydumas@usa.net)

[Native Built Log Cabins] Slave-Built Log Cabins in the Southeast

Enslaved Africans brought to North America in the late 18th through the mid-19th centuries experienced varying degrees of control over the construction of their housing. Their occupation, the type of economic system of which they were a part, and the attitudes of individual owners were some of the factors influencing slaves’ options. Increasing attention to slave dwellings, both extant and archaeological, is improving our ability to draw meaningful regional comparisons. This paper reviews current understandings of slave housing in the Southeast as a means to establish points of comparison to the adoption and transformation of log construction by Native Americans.

Dye, David (University of Memphis, daviddye@memphis.edu)

[Shamans] “Don’t Step Over Your Food”: Protohistoric Ritual Practice in the Lower Mississippi Valley

The influx of European goods into the Lower Mississippi Valley between 1550 and 1650 challenged an
entrenched aristocracy who endeavored to strengthen their hold over access to critical exchange nodes through religious institutions, especially medicine societies. The Protohistoric period witnessed a flo-
rescence in ceramic art, as well as the importation of well-crafted foreign goods, especially copper and shell regalia. Ceramic production achieved a level of crafting unknown prior to the mid-sixteenth century. I argue that power-holders increased their grip on trade linkages through expensive rituals, obligatory feasts, and restrictive membership in religious sodali-
ties.

Eastman, Jane (Western Carolina University, jeastman@email.ecu.edu)

[Gen] Settlement History at 31JK1, Cullowhee Mound

This paper examines the settlement history of 31JK1, Cullowhee Mound site, and will consider the organization of the Cherokee town there called Tsisksitsi. Pottery from the 2003-2005 excavations at the site will also be examined to explore the relationship of Pigeon and Connestee Woodland phase components to the Pisgah component at the site.

Edsall, Shannon (University of Alabama, sned-sall@ua.edu)

[Current… SE Bio] Are Osteoarthritis and Enthesal Changes Reliable Skeletal Stress Indicators?

Bioarchaeologists have assumed, with limited evidence, that osteoarthritis (OA) and enthesal changes (EC) develop due to skeletal stress. To test this, the optimal study would compare OA and EC in individuals of known occupation, but few samples can support this type of study. I suggest another method. I compared the rates and severity of OA and EC in four northwest Alabama prehistoric populations and found that the two indicators did not co-occur consistently. Individuals with high OA or EC scores did not usually score high on both, suggesting that one or both factors are not reliable stress indicators.

Elliot, Rita (LAMAR Institute, ritafelliot@gmail.com)

[Outside the Grid] Outside the Dig: Archaeology Festivals Interactives Without Sifting for Treasure

The public will never understand that archaeology is an informative, scientific discipline until we share the back story. Go beyond enlightening activities of letting festival visitors sift soil for artifacts. Engage visitors in the science of archaeology through fun, hands-on quickie activities that do just that. A few of the plethora of such activities are examined in this three-minute lightening round, and include ethnobotanical, fauna, and material culture analyses. So exchange that screen for something more interesting and far more educational!

Endonino, Jon (Eastern Kentucky University, jon.endonino@eku.edu)

[General] Looters, Kirk Points, and Grizzly Newts - The Early Archaic at 15JA120, Daniel Boone National Forest, KY

Investigations at the Grizzly Newt rock shelter in Daniel Boone National Forest, Jackson County, Kentucky encountered relatively well-preserved deposits despite decades of intensive looting. Excavations revealed the presence of a discernible Early Archaic component containing multiple features, diagnostic artifacts, botanicals, and faunal remains. Subsequent Middle to Late Archaic and Woodland occupations also occur along with a significant Fort Ancient pres-
cence. This paper offers preliminary findings related to the Early Archaic at Grizzly Newt and underscores
the unrealized data potential of this site and carries significant implications for both research and the management of archaeological resources.

**English, Mary Scales** (University of Georgia, marsca@uga.edu)

*Archaeology in Action: The Latest in Georgia Archaeology*  
Cultural Landscape Management in the Chattahoochee National Forest: A Look at Lake Winfield Scott Recreation Area

Located in Union County, the Lake Winfield Scott Recreation Area consists of a natural and historic built environment constructed in the early 1930s. Recently, management initiatives taken by the United States Forest Service have shown that this cultural landscape requires an innovative approach to preservation and conservation. Through above-ground survey and analysis of cultural resources, a more thorough understanding of this landscape is emerging. This paper will discuss the occupational history of the site, the current conditions of natural and cultural resources, as well as outline management practices applied to the cultural landscape since the park’s opening in 1938.

**Erickson, Renee’** (University of Oklahoma, d.renee.erickson@ou.edu)

*Exploring the Edges of the Caddo World*  
Gauging Style: A Stylistic Analysis of Arkansas and Red River Valley Earspools

Archaeologists have theorized that earspools functioned as symbolic adornments of high social status. However, earspools may also indicate the localized cultural practices of smaller communities within a larger region and highlight the role of specific individuals. By focusing on the sizes, material types, and decorative elements, I discuss the stylistic variations found within the temporal and spatial distribution of earspools in the Arkansas and Red River Valleys. These variations may indicate differences in social, ritual, or political practices within a broader cultural area.

**Ervin, Kelly** (Washington University in St. Louis, kellyervin@wustl.edu)

*Back to Brunswick Town*  
A New GIS Method for Locating Structures in Big Datasets: Application for Hickory Ground?

Large village excavations often result in the accumulation of dense datasets. In sometimes unmanageable numbers, postholes can be difficult to align into structural patterns when spread over substantial areas. To eliminate unwieldy issues of big data, this paper presents a GIS model for plotting possible structure locations. Using thousands of excavation records, structures are recognized by similarity in posthole dimensions and probable geometric patterns. Data from the Carson site tests the model, in hope for future application to the Hickory Ground site. This work succeeds theoretical predictions made by John W. Cottier, whose lifetime achievements in southeastern archaeology are remembered.

**Eubanks, Paul** (Middle Tennessee State University, paul.eubanks@mtsu.edu)

*Exploring the Edges of the Caddo...* Visibility, Raiding, and Migration at Salt Licks in Northwestern Louisiana

In the centuries following initial European contact, northwestern Louisiana became an important hub of the salt trade. However, ethnographic data from nearby contemporaneous salines indicate that raiding was likely a concern for the indigenous contact-era salt makers of Louisiana. In this paper, I argue that the salt producers in this region preferred to work in locales that had a view of the nearest major waterway in an effort to guard against would-be raiders. Additionally, raiding may have also encouraged non-Caddo peoples from the Lower Mississippi Valley to travel to northwestern Louisiana in order to make salt alongside local Caddo producers.

**Ewen, Charles** (East Carolina University, ewenc@ecu.edu)

*Back to Brunswick Town*  
Brunswick Town Redux

Brunswick Town is an iconic site for historical archaeologists. The late Stanley South made it famous with the publication of his Method & Theory in Historical Archaeology. In it he presented his mean ceramic date formula, the Brunswick Refuse Disposal Pattern and the Carolina Artifact Pattern, all developed from data.
garnered from Brunswick Town. Curiously, after Stan left in 1968, little archaeology was done though there was still much to learn. In 2015, East Carolina University in partnership with the NC Department of Natural & Cultural Resources initiated a long term research program to pick up where Stan left off.

**Ferguson, Terry** (Wofford College, fergusonta@wofford.edu), **Chad Long** (SCDOT), and **Bill Jurgelski** (SCDOT)

**[General] An Over Century-Old Plank and Frame Dam Across Lawson’s Fork Creek at Glendale, South Carolina**

Archaeological and geophysical investigations document the presence of a plank and frame dam at Glendale, SC. Photographs during a mill pond draw-down, GPR, probing with a 3/8" steel rod, and field measurements indicate the existence of a relatively well preserved plank and frame dam. Archival research suggests a current age estimate of 113 years. A large portion of the dam is buried under an average of 10 feet of sediment impounded by a down-stream concrete dam estimated to have been erected 85 years ago. This type of once prevalent hydro-engineering feature is now rapidly vanishing from the landscape.

**Fitts, Mary Beth** (University of North Carolina - Chapel Hill, mbfitts@unc.edu)

**[Gen] Variability in Maize from Eighteenth-Century Catawba Towns**

The Catawba Nation experienced a food-security crisis between 1755 and 1759, followed by a high-mortality epidemic. This study examines attributes of maize cobs excavated from smudge pit features at the Catawba sites of Nassaw (ca. 1750-1759), Old Town (ca. 1761-1800), and Ayers Town (1781-1800). Previous research indicates Nassaw Town residents practiced a risk-aversion strategy emphasizing maize intensification rather than diversification of plant resource use. In addition to examining whether this intensification was accompanied by the maintenance of multiple cultivars, this study also assesses whether the 1759 epidemic and subsequent town relocations impacted Catawba maize variability.

**Fontana, Marisa** (North Central College, marisa.fontana@gmail.com)

**[John Cottier] Palisades & Pottery: late prehistoric period research in central Alabama**

This paper reviews work performed in conjunction with/inspired by John “Doc” Cottier. Excavations at a Mississippian period village that identified and traced a possible fortification system to explore how Mississippian warfare may have been used as a strategy for gaining and maintaining alliances within the complex sociopolitical climate of the region will be highlighted. Preliminary results of an LA-ICP-MS compositional analysis of ceramics comparing ceramic pastes from various sites in central Alabama in order to identify trade and migration patterns within the region will also be presented.

**French, Kirk** (Pennsylvania State University, kirkdfrench@psu.edu)

**[General] Where the Devil Don’t Stay: Quantifying Moonshine Production in Western North Carolina**

Since the passing of the Revenue Act of 1862 the vast majority of local whiskey production has been unregulated, illegal, and any many regards – illicit. The production and distribution of this illegal liquor takes place in tight-knit communities where knowledge is usually passed down within a family. The economic impact of this craft production is difficult to measure. To better understand this intimate economy the Moonshine Archaeology Project is attempting to quantify whiskey production in western North Carolina through the presence of material remains.

**Freund, Kyle** (Indian River State College, kfreund@irsc.edu) and **Kevin Gidusko** (Florida Public Archaeology Network)

**[General] Exploring Historic Florida Burial Traditions through Community Engagement**

This paper explores burial traditions in the Fort Pierce area of east-central Florida through the systematic recording of 307 gravemarkers at two historic cemeteries, in turn contextualizing burial practices through time and space and the diverse ways in which various cultural groups have commemorated those who have passed. Issues related to race, gender,
and social identity are discussed.

The project is a collaboration between Indian River State College, the Florida Public Archaeology Network, and members of the local community, and as such represents a growing initiative with the aim of engaging the public more completely in their own archaeological heritage.

**Friberg, Christina** (University of California, Santa Barbara, christinafriberg@umail.ucsb.edu)

[Gen Sess] Cahokian Interactions in the Neighboring Lower Illinois River Valley: Recent Investigations at the Audrey-North Site

This paper provides a summary of recent investigations at the early Mississippian (AD 1100 – 1150) Audrey-North village site (11Ge20) in the Lower Illinois River Valley (LIRV), addressing questions of social, political, and economic relationships and the culture contact dynamic during the Mississippian transition. Though current research continues to interpret how Cahokia extended its influence—and how and why local groups in the Midwest and Midsouth participated in these distant interactions—it is clear that negotiating contact with Cahokia had diverse outcomes in regions near and far. The LIRV, in Cahokia’s immediate northern periphery, is well suited to this investigation of the Mississippian phenomenon.

**Fritz, Gayle** (Washington University in St. Louis, gfritz@wustl.edu)


My colleagues and students have undertaken systematic harvesting experiments of sumpweed, chenopod, and erect knotweed. I observed or participated in several of these projects, and have independently but less systematically collected wild-growing maygrass and eastern pepo gourds. Botanists and paleoethnobotanists, myself included, have grown Eastern Complex plants in our gardens or elsewhere with mixed success. Recently I grew bottle gourds from seeds whose parent plants came from Tamaulipas, Mexico. Lessons learned from these observations and hands-on experiences will, I hope, complement the more rigorous but in most cases less historically-rooted efforts of other participants in this session.

**Funkhouser, J. Lynn** (University of Alabama, lynnfungkousher@gmail.com) and **Daniel LaDu** (University of Alabama)

[Coles Creek] Faunal Procurement at the Mazique Site (22Ad502): A Late Coles Creek Period Mound and Plaza Center in the Natchez Bluffs Region

This presentation details recent faunal analysis from the Mazique Site (22Ad502), a Balmoral phase (AD 1000-1100) Coles Creek mound and plaza center located in Adams County, Mississippi. Excavations conducted along an artificially created terrace north of Mound A revealed several successive construction episodes and associated features. Dominant vertebrate species included large and small mammals, bear, white-tailed deer and squirrel respectively, and boney fish, primarily bowfin and gar. Mazique’s faunal record is compared and contrasted to those recovered from contemporaneous Coles Creek sites and offers a view of an upland Balmoral phase subsistence strategy in the Natchez Bluffs region.

**Futch, Jana J.** (Brockington and Associates, jana-futch@brockington.org)

[Gen] The House Between the Rock Piles: Results of Phase III Data Recovery at 9GE2085

Brockington and Associates completed a Data Recovery project at 9GE2085, a multicomponent site with two rock piles in Greene County, Georgia. The historic occupation of this site, dating from c. 1800-1830, represents one of the earliest Euroamerican habitations recorded in the Oconee River drainage. This review will focus on the possible historic residents of 9GE2085, an interpretation of the two rock piles, an examination of the material culture recovered from the site, and the results of a paleoethnobotanical analysis that identified a surprisingly diverse array of plant remains from a feature associated with the earliest historic occupation of the site.

**Gale, Sara** (New South Associates, sgale01@gmail.com)
[Archaeology in Action] “But We’re Just Removing Paperwork!”: Follow Up to Georgia’s SB 346 by the Archaeological Community.

Opposition to GA Senate Bill 346 highlighted the importance of a strong network of professional archaeologists and those concerned with the use of the Georgia Environmental Policy Act to consider cultural resources. The professional archaeological community opposed the bill and then fought to revise the bill’s language. This process highlighted some strengths and weaknesses in Georgia’s archaeological community. We’ll go through the lessons learned from fighting SB 346 and how the professional community is applying those lessons before the next anti-preservation bill is drafted.

Gallivan, Martin (College of William & Mary, mdgall@wm.edu)

[Power of Villages] All the King’s Houses and All the King’s Men: The Power of Villages in the Powhatan Chiefdom

Powhatan villages in the seventeenth-century Chesapeake were centers of considerable authority. How was power structured and practiced in these settings? How did “King’s houses” initially become powerful? This paper considers three settlements in the Powhatan core to suggest that forager-fishers set in motion a pivotal transformation centuries before contact. Modest shifts in population, subsistence, and ritualized spaces circa AD 1200 opened new affordances for kinship, feasting, and the ceremonial cycle. The resulting villages anchored temporal and spatial practices in the Chesapeake, creating new forms of organizational power which were leveraged by the weroances and priests of the Powhatan chiefdom.

Garrison, Ervan (University of Georgia, egarrisonso@uga.edu)

[Current Studies...Paleoindian] Geoarchaeology Underwater and its Challenges - An Example from Florida, the Ecofina Paleo-Channel Site

Geoarchaeology, as a discipline, enjoys a prominent place within modern archaeology. One measure of this is the increased citations in front-rank journals, when, if combined with those identified as “archaeological science” now outnumber those of general archaeology per se. This is not a paper that seeks to extoll geoarchaeology’s new place under the archaeological sun but is, rather, a discussion of the discipline’s role within the sub-field of underwater archaeology, most notably, underwater prehistoric archaeology. I will examine a Florida location - Apalachee Bay - well known for its wealth of prehistoric archaeological sites dating to the Archaic Period.

Gentil, Verna (Georgia State University, vernagentil@gmail.com)

[Gen poster] Reanalyzing Legacy Collections: A Case Study on Middle- Late Woodland Sites

As universities’ archaeological collections expand, departments take on the responsibilities of curating and disseminating these growing data sets. It is incumbent upon these institutions to update their curation standards and their interpretations. This is a case study of an assemblage from 1976 entrusted to Georgia State University (GSU) through a Georgia Department of Transportation (GDOT) project. Updated analysis has presented new information on these Middle to Late Woodland sites that can now be made ac-
cessible to other researchers working within the re-
gion.

Giles, Bretton (CEMML, Colorado State University, brettongiles@yahoo.com)

[Shamans, Priests, Practice, Belief...] The Emergence and Importance of Falconoid Imagery in Middle Woodland Religious Discourses

In this paper, I advocate developing historical, particul-
aristic perspectives on the emergence, persistence, and alteration of Pre-Columbian religious discourses, as well as their occasional disappearance. I argue symbols do not simply reflect normative ideas, but rather (as material objects) actively influence and af-
flect the practices of culturally and historically situat-
ed agents. I develop this argument by examining the emergence and importance of falconoid imagery in particular Middle Woodland communities, circa 100 BCE to 400 CE. I illustrate how Middle Woodland fal-
cion-inspired paraphernalia were active components of densely-interwoven ritual practices, which were likely linked to particular social roles and/or elevated positions.

Gilleland, Sarah K. (Binghamton University, skg177@msstate.edu)

[Hunter-Gatherer Societies] Variability in Riverine Catchments between the Middle Archaic and Late Woodland Periods in Eastern Mississippi

Middle and Late Holocene populations were reliant on similar food sources in the American Southeast. At the Vaughn Mound site in Mississippi, two occupa-
tions have been identified from shell-bearing strata, which represent the Middle Archaic and Late Woodland periods. Freshwater mussel shell from these strata can be used to examine the size of riverine catchments being exploited by these individual occupa-
tions. This makes it possible to examine variability in the extent of river systems being used between the Middle Archaic and Late Woodland periods.

Gilmore, Zackary (Rollins College, zgil-
more@rollins.edu)

[Worlds in Flux] Beyond “Diffusion”: Toward a Lived History of Early Pottery Adoption

Pottery adoption by Archaic hunter-gatherers was a momentous occurrence that coincided with the ap-
pearance of countless early monuments, vast ex-
tchange networks, and unprecedented social differentia-
tion. Nevertheless, archaeological explanations for pottery’s emergence have tended to attribute it to vague and seemingly passive processes of “diffusion.” Here, I suggest that one way to improve our under-
standing of such innovations is by focusing on the actual human-scale transactions or “events” by which they were incorporated into social traditions. Using data from the Savannah and St. Johns River valleys, I argue that the Southeast’s so-called “container revolu-
tion” actually transpired quite variably across the re-
gion.

Goodwin, Joshua (University of Florida, josh-
uamgoodwin@ufl.edu)

[A Ritual Gathering] Exploring the Ritual Significance of Avian Remains Recovered from Shell Mound (8LV42)

Recent excavations at Shell Mound (8LV42), a Middle Woodland civic-ceremonial center on the northern Gulf Coast of Florida, have revealed many pit features with vertebrate faunal remains. One such feature, a large, silo-shaped pit yielded a proportionately large number of skeletal elements identified to several spe-
cies of waterbirds, a trait unique among contempora-
nous sites within the area as well as within the site itself. Inspired by the work of Dr. Cheryl Claassen, this paper proposes that the contents of Feature 25 are not the results of everyday refuse disposal, but rather they represent depositional practices that hold ritual significance.

Goodyear, Albert (S.C. Institute of Archaeology and Anthropology, goodyear@mailbox.sc.edu)

[Hunter-Gatherer Societies...] Brier Creek as a Locality in the Allendale-Brier Creek Clovis Complex

The Brier Creek area is famous if not infamous in the archaeology of the Central Savannah River region. Be-
ing rich in high quality chert, artifacts from all time periods have been recovered there by both profes-
sionals and avocationals. Starting in the 1960’s, ar-
chaeologists attempted to investigate promising sites
based on collector findings. This resulted in a great deal of conflict between the two groups. Because of the abundant chert outcrops and density of Clovis artifacts found there, Brier Creek has been posited to be the Georgia side of the Allendale-Brier Creek Clovis Complex (ABCC), thought to be a macroband.

Gordon, F. Lindsey (University of Alabama, faliciagordon@gmail.com)

[Current Research SE Bio] Juvenile Pathology in the Middle Tennessee River Valley

Recent reanalysis of prehistoric remains recovered from the Middle Tennessee River Valley during excavations in the 1930s and 1940s has provided a unique opportunity to highlight evidence of health in children from birth to the age of ten. Within the sampled sites the frequency of juvenile mortality was moderate and all instances tracked geospatially. This paper provides an intersite examination of pathologies relevant to determining health, i.e. periostitis, linear enamel hyperplasias, and cribra orbitalia, as well as, highlights the frequency of trauma throughout the region.

Gossiaux, Margaret (Oberlin College, mgossiau@oberlin.edu), David Braun (George Washington University), Ella Beaudoin (American University)

[Gen poster] An Experimental Assessment of the Impact of Edge Angle on DIF Occurrence and its Implications for the Holocene at Koobi Fora, Kenya

The occurrence of edge damage on stone tools is dictated by edge angle measurement. Additionally, the presence of diagnostic impact fractures (DIFs) on tools throughout the archaeological record appears to correlate with angle measurement. In order to explore this relationship, we conducted experimental studies examining angle measurements and the presence of DIFs. We found that within experimental samples as well as archaeological samples, the majority of DIFs occurred on medium-sized angles rather than very small or large angles. Though the scope of this study is limited, the procedures used in this experiment lay solid groundwork for future research.

Gougeon, Ramie (University of West Florida, rgougeon@uwf.edu)

[A Marxist Archaeology….] A Chicken on Every Pot: Curious Avian Ceramic Vessels on the Gulf Coast

In a recent examination of bird effigy vessels from the central Gulf coast region, one remarkable species identified appears to be Gallus gallus domesticus, or the chicken. Examples of small ceramic rooster heads sporting dramatic, single combs and short beaks may be indirect evidence of contact between native coastal peoples and early Spanish explorers pre-settlement. This paper explores the particular socio-cultural conditions that would have made possible the introduction of these decidedly non-native birds into the repertoire of Native American potters in the protohistoric era.

Graham, Anna (University of North Carolina at Chapel Hill, annafg@live.unc.edu), Alexandria Mitchem (University of Pennsylvania), and Justin Reamer (University of Pennsylvania)

[Coles Creek Archaeology] Across Space and Time: Plant Usage at the Smith Creek Site

The activities that took place at Coles Creek mound sites were often spatially segregated. The three mounds and plaza at Smith Creek, all Cole’s Creek constructions, were expanded upon by Plaquemine successors. Examining plant remains from Smith Creek allows us to identify the activities prehistoric people were taking part in, while also seeing how they spatially conceived of and divided these doings. By comparing several areas of the site, we demonstrate how residents’ use of space shifted through time. Finally, we examine how these spatial divisions relate to that of Coles Creek culture at large.

Grap, Rachel Michelle (East Tennessee State University, graprm@goldmail.etsu.edu), Jay Franklin (East Tennessee State University), and Eileen G. Ernenwein (East Tennessee State University)

[General] Archaeological Geophysics and Ceramic Analysis of Rotherwood, a Mississippian Site in Northeast Tennessee
Rotherwood is a Mississippian site on the Holston River in Kingsport, Tennessee. Ongoing ground penetrating radar and magnetometry survey has identified a host of likely archaeological features, including a clear, well-defined house floor and hearth. Excavation in 2015 confirmed one geophysical feature as a large refuse pit dating to a late Dallas Phase (about AD 1500-1560). Previously, Dallas was viewed as a monolithic culture. Recently, Franklin et al. (2010) and Sullivan and Harle (2015) proposed that Dallas communities could be different peoples. We examine Dallas ceramic variability in a temporally and spatially restricted context.

Gray, Michelle (National Park Service, michelle_gray@nps.gov) and Meredith Hardy (National Park Service)

Gen poster] Sankofa: A concept reinterpreted through archaeological investigations at the Danish West Indies and Guinea Company Warehouse Complex

As part of the Slave Wrecks Project, National Park Service archaeologists conducted Phase I testing in the vicinity of the Danish West Indies and Guinea Company Warehouse Complex at Christiansted National Historic Site in St. Croix. The Danish West Indies and Guinea Company Warehouse Complex was the location where many captured Africans that arrived at St. Croix were held and auctioned into slavery. More than 700 artifacts recovered from a handful of shovel tests show material evidence relating to the complex. This poster will evaluate the correlation between the dense deposit of cultural material and the Guinea Company Warehouse complex.

Green, Jennifer (University of Tennessee, jgree119@vols.utk.edu)

[Outside the Grid....] Bridging the Gap: Sharing archaeology with a biological research community

I found an unexpected audience at the Indian River Lagoon Symposium, a biological conference at Harbor Branch Oceanographic Institute in Fort Pierce, Florida. This local conference is geared towards presenting research to scientists and policy-makers alike, inviting the public to attend. The conference facilitates discussion about the current health of the lagoon and new management practices. For the past two years I have presented zooarchaeological findings from my thesis research, discussing paleoenvironmental conditions of the lagoon. Through these presentations I bridged a gap between the “living” and the “dead” and shared a new perspective.

Green, William (Terracon, wggreen@terracon.com)

[Archaeology along the Lower Cape Fear River....] From Kirk Points to Tar Kilns and Nearly Everything in Between: 10,000 Years of Human Occupation at the Riverlights Development Tract

Situated along the Lower Cape Fear River, the 1,300-acre Riverlights Development is one of the largest remaining undeveloped tracts in Wilmington, North Carolina. Since the initial investigations in 2006, more than 3,500 shovel tests and nearly 1,100 m2 have been excavated at 25 sites, with over 75,000 artifacts spanning the Early Archaic Period to the twentieth century being recovered. These investigations have greatly contributed to our knowledge of life along the lower North Carolina coast. This paper summarizes the investigations that have been conducted over the last decade and provides a context for the other papers in this symposium.

Greenlee, Diana M. (University of Louisiana at Monroe, greenlee@ulm.edu), A. James Delahoussaye (University of Louisiana at Lafayette), and Karen L. Leone (Gray & Pape, Inc.)

[General] Poverty Point Subsistence: Current Status and Future Directions

That the Late Archaic people who built and occupied Poverty Point were hunter-fisher-gatherers is one of the most interesting, and for many years puzzling, facts about the site. It posed an explanatory problem (i.e., that hunter-gatherers, not agriculturalists, were responsible for the monuments and the abundant nonlocal stone) for archaeologists. Even though the nonagricultural status of Poverty Point subsistence is widely accepted, many questions remain. In this paper, we integrate analyses of faunal and botanical remains to summarize what is known and not known and we suggest research priorities for improving our understanding of Poverty Point subsistence.

Gregory, Danny (New South Associates, Inc., dgrego-
[Solving Problems] Digital Recording System for Archaeological Survey

New South is currently testing a new provenience tracking and data collection system for archaeological survey. Survey data is recorded using smart phones with a free database application. We also use Google sheets for data collation, syncing, and online backup, and ArcGIS online for accessibility and data visualization. We have tested this system at Fort Campbell and Fort Polk with promising results. Beyond the flexibility and efficiency it brings to the fieldwork, this system provides a robust, geo-referenced set of archaeological data that is conducive to spatial analyses.

Gresham, Tom (Southeastern Archaeological Services, Inc. gistom@windstream.net) and Heather Mustonen (Georgia Department of Transportation)

[Gen] A Microdebitage Analysis of the Winterville Mounds Site (22WE500)

Winterville Mounds (22WS500) is a Plaquemine Mississippian civic ceremonial center in the Mississippi Delta. Previous analyses of stone artifacts and macrodebitage indicate a minor presence of non-local lithic material at the site. The research reported here examined a selected portion of microdebitage samples recovered in window screened samples with the intention of identifying traces of exotic raw materials to evaluate the extent to which residents were involved in long distance stone exchange. Assessing the significance of long distance exchange could have ramifications on the way we interpret the political strategy once employed by the Winterville elites.

Guest, Stephanie (University of Southern Mississippi, stephguest@yahoo.com)

[Gen] A Microdebitage Analysis of the Winterville Mounds Site (22WE500)

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Guidry, Hannah (TRC, guidryh@gmail.com) and Sarah Levithol Eckhardt (Tennessee Division of Archaeology)

[Mississippian Arch of the MCRT] A Descriptive Account of Two Prehistoric Burial Removal Projects in the Nashville Area

Two prehistoric burial removal projects in and near Nashville, Tennessee in 2015 provided an opportunity to excavate and document examples of stone box graves, a hallmark of the Mississippian period in the Middle Cumberland region. Both projects were spurred by inadvertent discoveries of human remains on private property. Skeletal fragments found beneath a house led to the discovery of a previously-disturbed stone box grave within the Noel Cemetery site (40DV3). Investigation of three stone box graves encountered during construction of a subdivision resulted in a newly-recorded multicomponent upland

Griffin, Matthew W. (Chickasaw Nation), Jay C. Blaine (Independent consultant), and Baugh, Timothy (Chickasaw Nation)

[General] Trade Guns and Thimbles

Beginning in the late 17th century, British traders penetrated the boundaries of the Chickasaw Nation. Initially, attention focused on the exchange of deer skins for long guns. Quickly, this trade expanded to include more mundane items such as fabrics, copper bracelets, scissors, brass kettles, buttons and thimbles. As various objects wore beyond repair, they were often repurposed. Archaeologists are able to document some of these changes, yet others are more difficult to trace. This poster examines Chickasaw/English trade from AD 1680 to 1800 and traces this exchange by using oral history, artifacts, and historical documents.

Guest, Stephanie (University of Southern Mississippi, stephguest@yahoo.com)
Hale, Jessica Cook (University of Georgia, jwheatcook@gmail.com) and Nathan L. Hale (University of Georgia)

[Current Studies of Submerged Paleoindian…] What’s past is prologue: contexts and connections between single and multiple component submerged prehistoric archaeological sites, Apalachee Bay, Florida

In this study I articulate results from excavations at the Econfina Channel site. The site now lies in ~3 meters of water along the PaleoEconfina channel in Apalachee Bay, FL. It has yielded evidence only from the Middle Archaic period, in contrast to multi-component submerged sites along the PaleoAucilla only a few kilometers away. The differences between these sites may be a function of archaeological visibility. They may also result from changes in human choices that paralleled changing paleoecology. To test this hypothesis, I consider geoarchaeological datasets within an ecological context that includes paleohydrology, sedimentology, and post-depositional processes.

Haley, Bryan (Coastal Environments Inc./Tulane University, bhaley@tulane.edu)

[Gen poster] Geophysical Survey at 41AN201: A Test Case for Delineating Caddo Burials

As part of a road-widening project conducted by the Texas Department of Transportation, Coastal Environments, Inc. conducted data recovery excavations at 41AN201, a protohistoric and historic Caddo village located in Anderson County, Texas. An initial phase of multi-instrument geophysical survey identified few cultural features. However, after two of the initial excavation units encountered burials, a ground penetrating radar survey was conducted in collaboration with Stephen F. Austin University. When combined with subsequent ground-truthing, which included excavation and mechanical stripping, these results provide a good test case for investigating Caddo and other Native American cemeteries with geophysical techniques.

Halligan, Jessi (Florida State University, jhalligan@fsu.edu)

[Current Studies of Submerged Paleoindian…] Submerged early Archaic sites in the Aucilla River: what can they tell us about paleoenvironments and early cultures?

Many early side-notched projectile points have been recovered from underwater contexts in the Aucilla Basin. A large percentage of these are unprovenienced surface finds, but these artifacts have also been found in association with soils currently submerged more than 4 meters underwater. Dates from these soils span the Younger Dryas at Page-Ladson and Sloth Hole, and paleoenvironmental analyses of these soils provide a useful baseline for the end of the Pleistocene and the early Holocene in this area which can enhance our understanding of the early Archaic world and human societies.

Hammerstedt, Scott (University of Oklahoma, swh@ou.edu) and Sheila Savage (University of Oklahoma)

[Caddo] Earth and Sky: Celestial Symbolism in the Spiroan Arkansas River Drainage

In previous papers, we have documented the use of certain important colors at conjoined mound sites in northeastern Oklahoma. These colors have both chronological and symbolic significance. In this paper, we use a) the orientation of special-purpose buildings, b) color, types, and contexts of key artifacts, and c) ethnographic data to determine if there was a shared cosmological frame of reference for mortuary rituals in the Arkansas River basin. We then compare these results with celestial studies in the American Bottom and other parts of the Mississippian world.

Hammond, Michelle (University of Tennessee, mhammo12@vols.utk.edu)

[Gen] Predictive Modeling of Prehistoric Settlement Patterns in the Yazoo Basin During the Woodland Period (500 B.C. - 800 A.D.) Using GIS and “R”

The majority of research conducted in the Yazoo Basin has focused on the study of ceramics as chronological markers, as well as ceremonial and mortuary patterns from large-scale settlements. Very little research, however, has been conducted on settlement patterns for the region. This poster presents a region-
al analysis of 1,045 archaeological sites in the Yazoo Basin from the Woodland period using Geographic Information Science (GIS) and the open source statistical software "R." Utilizing this software, a predictive model was built to predict where future sites/settlements in the area could be located using a generalized linear model and a generalized additive

Haney, Jennifer (Penn State, jmh676@psu.edu), Matthew H. Veres (Penn State), Karen J. Walker (University of Florida), William H. Marquardt (University of Florida), and Lee A. Newsom (Penn State)


At Calusa Island (8LL45), Late Archaic (765 BC, cal. intercept) shell-midden deposits are eroding away at an unknown rate and the modern coastal forest is struggling to keep pace with the rate of sea-level rise. As part of an on-going study of archaeological fuel-wood, the forest response provides an excellent natural experiment. Documenting the shifts in forest composition/structure provides a baseline for comparison with archaeological charcoal. The results reported here include efforts to track long-term coastline changes, site dating, preliminary analysis of recovered charcoal and faunal remains, and initial efforts to estimate the potential cause(s) and rate of midden loss.

Hanvey, Vanessa N. (University of Kentucky, vanessa-hanvey@uky.edu)

[Gen] Characterizing the Archaic Period along the Flint and Chattahoochee River Valleys

During the Archaic Period, archaeological evidence suggests an intensified reliance by local populations on the productive riverine environments of the Holocene. By the end of the period, broad scale interaction spheres formed and distinct cultural groups have been identified in the archaeological record. This poster presents research focused on understanding the effects of mobility and access to resources on group cohesion within the Flint and Chattahoochee River valleys throughout the Archaic Period. Current research explores the efficacy of using lithic raw material provenance and technofunctional attributes of stone tools to identify interaction spheres along these two neighboring river valleys.

Harle, Michaelyn (Tennessee Valley Authority, mharle@tva.gov) and Giovanna Vidoli (University of Tennessee)


This study explores the biological relationship between communities from the Mississippian period (1100–1450 CE) Middle Cumberland Region (MCR) Tennessee and Late Mississippian (1400–1700 CE) East Tennessee Dallas and Mouse Creek Phase sites. Non-metric cranial traits were analyzed for individuals from 18 sites to calculate genetic distances and differentiation in order to explore inter- and intra-regional genetic variance. The results expand upon past studies suggesting limited gene flow between the two regions. These results are considered in light of broader discussions of population movement and instability during the Late Mississippian/Protohistoric Period.

Harrenstein, Tristan (Florida Public Archaeology Network, tharren28@gmail.com)

[Outside the Grid....] Better Messages with 3D Printed Models

Artifacts replicated using 3D printers will have a deeper and much simpler impact on public archaeology than many realize.

Harrison, Allyson (University of Alabama, alharrison2@crimson.ua.edu)

[Current.. SE Bio] Gender Roles in Prehistoric Northern Alabama: A Bioarchaeological Investigation of the Bluff Creek Site Using Paleopathology and Trauma Analysis

The Tennessee Valley Authority conducted excavations of thousands of prehistoric human remains during the 1930’s and 1940’s in the Middle Tennessee River Valley. This research focused on a stratified ran-
dom sample of these remains to study how gender roles manifested skeletally in prehistoric Alabama at the Bluff Creek site (1Lu59). Paleopathologies were documented for location, severity, and side to investigate the potential differences between the sexes. Traumatic injuries were also assessed for type (occupational or accidental) and side. Stature and age were also documented to demonstrate overall health and status within the sample population.

Harrup, Matthew (East Carolina University, mjharrup@hotmail.com)

[Back to Brunswick Town] Brunswick Town: A Research Design

In the six decades of the post-South era at Brunswick Town, interest in the site has been sustained through studies, symposiums, historical publications, textbooks and the evolution of methodology developed there. Archaeology has been limited and generally completed through CRM projects. More recently, several field schools have examined areas South was unable to investigate fully. East Carolina University is undertaking a long-term and comprehensive study of Brunswick Town. The goal of this research design will be a synthesis of the previous archaeology with the documentary record to identify areas for future research.

Harke, Ryan M. (University of South Florida, ryanh2@mail.usf.edu), William J. Pestle (University of Miami), and Evan M. Mann (University of Miami)

[Gen Session....] Late Prehistoric (AD 1300) Habitation of Stock Island, Lower Florida Keys

The Stock Island Midden (8Mo2) is a large, multi-component site located near the western tip of the contiguous Florida Keys. At present, it is unknown whether the midden is refuse from a permanent, year-round village of Keys natives (Matecumbe), or a seasonal encampment by the Miami-based Tequesta fisher-hunter-gatherers. To begin addressing this question, we tested the seasonal growth habits of a prevalent midden shell, Tiger Lucine (Codakia orbicularis), using oxygen isotopes (δ18O). Preliminary results indicate that these bivalves grow throughout the year, except during winter (December-January), suggesting that C. orbicularis is a promising candidate for testing annual habitation.

Hawsey, Kareen (University of Alabama, hawse001@crimson.ua.edu)

[Gen] New Discoveries at Old Cahawba: Pairing Pedestrian Survey with LIDAR Data

Old Cahawba, located west of Selma, Alabama, became the state’s first capital in 1819. One of the most prosperous towns in the country, it remained so until the Civil War. Today, the town is an archaeological park largely overgrown with vegetation. The University of Alabama and the Alabama Historical Commission recently conducted archaeological investigations of the entire town that included intensive pedestrian survey guided by LIDAR data. This poster discusses the utility of this method and highlights some of the hundreds of historic features that were located, including brick and artesian wells, well runs, chimneys, basement depressions, and structural remains.

Hemmings, C. Andrew (Florida Atlantic University, ahemmings@paleotopioneer.com)

[Current... Paleo] The Paleoindian Archaeology of Sloth Hole (8JE121) and selected sites in the Aucilla River System

The staggering amount of Pre-Clovis through Late Paleoindian archaeological and Terminal Pleistocene faunal material recovered in the Aucilla River since the 1950s has yet to be succinctly cataloged and is typically vaguely described as being concentrated but only weakly examined. The growing Pre-Clovis assemblage(s) appear to lack technological continuity with Clovis, Simpson, Suwannee, Dalton, and the other later Paleoindian manifestations in the region. Highlights of this rich, variable, record of bone, stone, ivory, and other media, are presented as well as a framework for compiling all of this dispersed data in a meaningful fashion.

Hendryx, Greg S. (SEARCH Inc., greg@searchinc.com) and Robert J. Austin (Cultural Resources Consulting)

[Solving Problems] Maximizing Compliance Objectives through Effective Predictive Modeling and Data Collection

The goal of federal and state cultural resource laws is the identification of sites that are eligible for NRHP listing. Achieving this goal is often inhibited by lim-
ited funding, the use of simplistic or outdated predictive models, and the rote employment of survey and evaluation methods. With these constraints in mind, we present suggestions for improving the process and achieving compliance objectives through more effective predictive modeling and data collection methods. We provide case studies where we have successfully employed these methods to identify and assess sites.

Henry, Edward (Washington University in St. Louis, edward.henry@wustl.edu)


Geometric earthen enclosures were used by many Middle Woodland societies in the Eastern Woodlands to delineate sacred space. These monuments are commonly associated with a variety of ritual practices tied to cosmological beliefs involving world renewal. Determining when and how quickly these sites were built provide a way to trace these ideas as they materialize. In this paper I present new information from geometric enclosures across Central Kentucky to discuss construction and use trends in the region. New radiocarbon and OSL measurements from an assortment of contexts at these sites reveal a later temporality for geometric enclosures than previously realized.

Herbert, Joseph (Colorado State University, joseph.m.herbert8.ctr@mail.mil), Michelle Hagstrom Parsons (Fort Bragg Cultural Resources Management Program) and Jonathan Schleier (Colorado State University)

[General] Stone Tool Production during the English Contact Period: An Analysis of the Materials from Five Cherokee Households in Western North Carolina (A.D. 1690-1740)

Excavations conducted on the Ravensford Tract in western North Carolina have resulted in the documentation of five Cherokee houses believed to be associated with the historically documented town of Nununyi. These structures, occupied circa A.D. 1690-1740, have provided a unique opportunity for a fine-grained analysis of Cherokee household organization and lithic production activities. Distinct clusters of lithic materials associated with core reduction and tool production have been identified within the winter houses. These materials, in tandem with experimental replications of small triangular projectile points, are providing an entry point into the daily practices of Cherokee households during the English XXXXX

Hodge, Phil (Tennessee Department of Transportation, phillip.hodge@tn.gov)

[Solving Problems] Section 106 and Transportation Projects since the Great Recession: A View from Tennessee
Changes to federal transportation programs and funding in the wake of the Great Recession and passage of the American Recovery and Reinvestment Act of 2009 led to a new set of challenges for state departments of transportation in fulfilling their responsibilities under Section 106 of the National Historic Preservation Act. This paper will address a range of these issues and present solutions that the Tennessee Department of Transportation has implemented to meet these challenges.

Hoksbergen, Ben (Redstone Arsenal, benjamin.j.hoksbergen.civ@mail.mil)

[Williams Spring] Williams Spring: A Late Middle Woodland Village in Temporal and Regional Context

The recent data recovery of a late Middle Woodland Bell Hill phase village in the Tennessee River Valley of north Alabama has shed light on a poorly understood period of transition. The material culture documented at Williams Spring has affinities with contemporary phases within an area that coincides with the prior distribution of Copena-related traits. Signs of social stress at Williams Spring hint at a break-down in regional social cohesion, although the ultimate cause and extent of this break-down are elusive.

Hollenbach, Kandace (University of Tennessee, Knoxville, kdh@utk.edu) and Stephen Carmody (Sewanee: The University of the South)

[Shamans] Cultivating Rituals: Woodland Gardens and Imbued Landscapes

Gardens and gardening practices are all too often viewed in terms of the caloric contributions that they provide to groups or individuals, instead of the roles that they play in the production and reproduction of the cultural, societal, and political worlds of the people who tend them. When viewed as rituals of foundation, gardens/gardening are reframed as locales and actions that are instrumental to groups and not just those directly involved. Here, we use plant assemblages from across the Midsouth to discuss how Woodland period gardeners used plants and gardens to produce ritual localities in the material world.

Holloway, Andrew (East Caroling University, hollowaya15@students.ecu.edu)

[Back to Brunswick Town] Under the Shadow of History: An Archaeological Investigation of Lot 35 at Brunswick Town

In May of 2016, students under the direction of Dr. Charles Ewen investigated a ballast feature attributed to Edward Moseley’s Lot 34 at Brunswick Town State Historic Site, North Carolina utilizing shallow geophysical survey as well as more traditional excavation methods. Instead of uncovering the chimney of Moseley’s house as hypothesized, students uncovered a large oven feature along with the piers and fireplace of an associated house that now attributed to Lot 35, owned by Prudence McIlhenny and Christopher Cains.

Hormes, Josef (CAMD/Louisiana State University, hormes@lsu.edu)

[Gen] High tech for old shards: synchrotron radiation based techniques for the investigation of “objects” (PPOs) and pottery from Poverty Point

Synchrotron radiation based techniques produce detailed, non-destructive, chemical characterizations of cultural heritage objects: synchrotron-radiation excited XRF allows the determination of elemental composition and X-ray absorption near edge structure spectroscopy provides information about the chemical speciation of elements of interest. In this study, four PPO fragments and nine pottery sherds from Poverty Point were analyzed. Eight of the samples (PPOs and pottery) have similar elemental compositions, suggesting fabrication from the same soil. Fe-K-XANES spectra, which inform on iron speciation, were measured to investigate pottery production processes. Additional test experiments with “model pottery” are planned to refine interpretation of these findings.

Horsley, Timothy J. (Horsley Archaeological Prospection, LLC; Northern Illinois University, timhorsley@gmail.com) and Casey R. Barrier (Bryn Mawr College)


One aspect of the growth of large, regionally-expressive settlements was the power of these places...
to affect lives beyond their boundaries. Power did not always emanate from hierarchies. Heterarchies of power were active, and scholars now study histories of cities without states, for example. Here, we discuss new research in the American Bottom examining demographic shifts that were part of regional urbanization processes. As they developed, some settlements - from villages, to towns, to city - were abandoned, while others had the power to attract. Our research combines archaeological and geophysical methods to continue learning about these settlement histories.

Horton, Elizabeth T. (Arkansas Archaeological Survey, ethorton@uark.edu) and Stephen B. Carmody (University of the South)

Growing Lost Crops: A Tale of Two Gardens: Integrating Paleoethnobotanical Research and Public Archaeology

This paper reflects on the challenges, successes, and potential of two separate paleoethnobotanical gardens created within the last two years; The Plum Bayou Garden at Toltec Mounds Archeological State Park and the Native Cultigen Project at The University of the South. Both projects explicitly sought to create gardens that function at two levels; as an interpretative landscape for public outreach and education, and as active research spaces into ancient agroecosystems. These projects provide particle insight into gardens as avenues for public archaeology that engages a public who traditionally consider archaeology to be outside of their sphere of interest.

Hoskins, Emily (University of Alabama, elhoskins@crimson.ua.edu)

Designing the Dead: Decorative Patterns on Human Skeletal Remains from the Middle Tennessee River Valley

The archaeological record for the middle Tennessee River valley has yielded a number of sets of human remains that show decoration. No detailed analysis has been completed on these special individuals or the similarities and/or differences between them and their various decorations. This paper examines six cases from 1Ms80 and 1Ms91. Preliminary findings indicate that preferences existed in regards to decorative medium, location, pattern, and biological parameters of the individual recipients.

Howell, Cameron (ERM, cameron.howell@erm.com)

Mississippian Conflict and the Role of the Fission-Fusion Process: An Example from East Tennessee

Increasing intensity and frequency of conflict over time is a noted characteristic of the Mississippian Period in the southeastern United States. Ideally bufferzones create space between groups and serve as a mechanism for reducing intergroup competition and conflict. However when applying a Fission-Fusion model to Mississippian cultural growth, bufferzones are replaced by frontiers that bring groups into greater contact and increase the chances of conflict. This increase is illustrated with an example from East Tennessee which incorporates Blitz and Lorenz’s modified Fission-Fusion framework with landscape approaches to examine the question of why and how conflict increases during the Mississippian period.

Hunt, Elizabeth (University of Southern Mississippi, elizabeth.kay.hunt@gmail.com)

Austin (22TU549): Mississippian Emergence in the Northern Yazoo Basin

The Austin Site (22TU549) is a known transitional Late Woodland to Early Mississippian village located in Tunica County, Mississippi. Compared with the cultural phases that have been developed in other regions the Northern Yazoo Basin lacks a clearly defined “Emergent Mississippian” phase. This paper will use ceramics (n=ca.33,500) from a 25% random sampling of pit features to measure transitional change and determine exactly how this region assimilated Mississippian traits into their own culture.

Jackson, Edwin (University of Southern Mississippi, ed.jackson@usm.edu)

Faunal Remains from Feltus and Aden: New Evidence for Coles Creek Animal Use

Recent research in the Lower Mississippi Valley have added to a growing Coles Creek zooarchaeological database. The Feltus site in southwestern Mississippi produced plaza and pre-mound construction midden samples lending evidence for communal ritual meals.
Testing at Aden in the Lower Yazoo Basin produced fauna from sequential flank deposits on Mound A interpreted to be residues of mound summit ceremonial activities. This paper summarizes the faunal records of Feltus and Aden, compares them with other Coles Creek sites and subsequent Mississippian faunal assemblages, and offers a hypothesis accounting for the contrast in species representation in Coles Creek and Mississippian assemblages.

Jackson, Kendal (University of South Florida, kendalj@mail.usf.edu)

[General] The Pollen Record at Crystal River Site: Reconstructing Environmental Change, Site History, and Plant Use at a Woodland-Period Mound Center on Florida's Big Bend Coast

The Woodland-period forager communities of the Crystal River drainage - on Florida's Big Bend Coast - are well-known for their elaborate shell mound architecture, maritime lifeway, and exotic exchange goods. What remains uncertain are the environmental conditions involved in Crystal River Site’s (8C11) history as a village and civic-ceremonial center. New research employs archaeological palynology to investigate how local communities experienced and interacted with sea-level and climate fluctuations going on during the first millennium AD. Additionally, the microbotanical remains preserved within midden soils and wetland peats may speak to the roles of particular wetland plants as subsistence and/or technological resources.

Jacobi, Keith (University of Alabama, kjacobi@ua.edu), Lynn Funkhouser (University of Alabama), and Clare Farrow (University of Alabama)

[Current… SE Bio] Exhuming Mortuary Analysis: Advocating for a more Robust Archaeological Narrative

This presentation examines mortuary analysis in the Southeastern United States and advocates for a shift in focus. It has long been assumed that material culture found in burial contexts can inform about the deceased they are interred with. Mortuary studies in the Southeast have a specific historical context related to the emergent theoretical models of the 1960’s. The categories that have resulted from this were originally developed and employed to answer specific questions about status. This antiquated foundation has shaped both the role bioarchaeologists play in mortuary analysis and how prehistorians in general continue to approach the study.

Jefferies, Dick (University of Kentucky, rwjef1@uky.edu)

[The Power of Villages] Population Aggregation and the Emergence of Circular Villages in the Southern Appalachian Region

Archaeological evidence from throughout much of eastern North America documents a transition from small, scattered settlements to nucleated, often circular, villages during the Late Woodland/Late Prehistoric periods (ca. A.D. 1000-1600). In the Appalachian Highlands of southwestern Virginia, this transition is marked by the appearance of large circular communities associated with what Howard MacCord called the Intermontane Culture. This paper investigates the origin, structure, and spatial distribution of Intermontane Culture circular villages across the southern Appalachian landscape and compares their emergence to similar trends in settlement organization witnessed in other parts of the Appalachian Plateau and beyond.

Jenkins, Jessica (University of Florida, jajenkins@ufl.edu) and Martin Gallivan (The College of William & Mary)

[Ancient Water Worlds] Somewhere Beyond the Sea: Shellfish Management and Aqueous Landscapes in Precolonial Chesapeake

Across the Southeast, shell midden sites have become a focus of research concerning ecological resilience. This paper joins these conversations by considering evidence that Algonquian societies in the Chesapeake actively managed the oyster fishery. As in other parts of the Southeast, the precolonial Chesapeake was an anthropogenic landscape shaped by forest burning and horticultural clearing. Analysis of shell deposits at Kiskiak, a site on Virginia's York River, points to management beyond the terrestrial. These water worlds are manifest in two ways, deep middens and a shallow ditch feature, likely representing a worldview where shellfish and water transcend purely subsistence.

Jenkins, Ned (Alabama Historical Commission,
[John Cottier] *Shine II and Big Eddy and Phases: A summary*

The Shine II phase occurs in the lower Tallapoosa River valley around A.D. 1400 and is characterized by a Lamar ceramic complex. The contemporaneous shell tempered Big Eddy ceramic complex occurs primarily along the adjacent upper Alabama River. Both complexes were manufactured during the DeSoto entrada. The origins of these complexes will be traced and their definition and associations summarized.

**Johanson, Jessie L.** (University of Tennessee, jaj@vols.utk.edu)

[Gen session] *Reconstructing Mississippian Identity: A Household Analysis of Foodways at the Townsend Site*

Despite extensive archaeological research of Mississippian period sites in the greater Tennessee River Valley, little is known about Mississippian communities in peripheral areas such as the Southern Appalachian Highlands. Research at the Townsend Site in Blount County, TN has advanced our understanding of people living at the edge of the greater Mississippian world. I compare the macrobotanical data between Mississippian households at Townsend to explore how foodways contributed to status differences and identity construction. Rather than analyze status variability based on common prestige indices, I use food to understand how people were expressing their identity through everyday practices.

**Jones, Joel** (Southeastern Archaeological Services, Inc., joelcarljones@gmail.com), **Pamela Baughman** (Georgia Department of Transportation), and **Tom Gresham** (Southeastern Archaeological Services, Inc.)

[Of Roads and Ruins...] *A Multi-Phased Approach to a Highway Survey in Mountainous North Georgia and the Diverse Resources Encountered*

This paper describes the multi-phased approach taken by the Georgia Department of Transportation and one of its consultants for the archeological investigation of 14.5 km of highway in mountainous north Georgia. We describe how archival research, informant interview, field survey, testing of seven sites and follow-up survey explored a wide variety of sites, including Archaic period lithic scatters, Precontact period occupations, a Cherokee farmstead, a petroglyph, soapstone quarries, a twentieth century town, and a forgotten cemetery. The project benefited from local informants, consultation with federal tribes, a petroglyph consultant, ground penetrating radar survey and an experienced field crew.

**Jones, Scott** (Midsouth Cultural Resource Consultants, jsjones@midsouthcrc.com)

[Mississippian Archaeology of the Middle Cumberland] *Interpretation of the Structure and Variation of Middle Cumberland Mississippian Stone-box Cemeteries*

The stone-box burial and cemetery is a ubiquitous of the Middle Cumberland Mississippian occupation. The classic form of stone-box burial known as the Cumberland type is distinctive to the Middle Cumberland region. Furthermore, the Middle Cumberland region is unrivaled in the number and size of stone-box cemeteries. Numerous reports describing stone-box cemeteries and concomitant studies evaluating the form, construction, and distribution of stone-box cemeteries are available. However, no evaluations aimed at the interpretation of the structure and variation represented within and between. This study is an attempt to evaluate and interpret the structure and variation of Middle Cumberland stone-box cemeteries.

**Jordan, Kurt A.** (Cornell University, kj21@cornell.edu)

[Power of Villages] *From Nucleated Towns to Dispersed Networks: Transformations in Seneca Iroquois Community Structure, circa 1650-1779 CE*

Sequentially-occupied Seneca Iroquois communities in what is now New York State resided in a number of different settlement forms during the seventeenth and eighteenth centuries, ranging from nucleated to fully dispersed, with and without defensive palisades. While earlier scholars viewed these changes as decline away from a precontact cultural climax, these transformations were non-linear and related quite tightly to regional political-economic dynamics (known in...
detail from documentary sources). This paper reviews 1650-1779 changes in Seneca community forms, and examines the process of community relocation as a dynamic time for negotiation, reimagining, assessment of political-economic conditions, and the exercise of power.

Joy, Brandy (University of South Carolina, brandykjoy@gmail.com)

[Gen Symp.] Pronouncing "Colonoware:" Linguistic Practice and Archaeological Ideology

Ideologies within the Southeastern archaeological community effect the pronunciation of a particular artifact type: the coarse earthenware called colonoware. I propose that the Southeastern archaeological community is composed of two speech communities (groups that differ in linguistic style), which can be recognized by their encoding of the word "colonoware" as [kələnəwə] or [kolonowə]. I hypothesize that an individual’s pronunciation indexes and reflects scholarly theoretical and methodological groups, which are historicized through academic genealogy (and their imbued ideology) and is reflected in geographical positioning related to those academic genealogies.

Judge, Christopher (University of South Carolina Lancaster - Native American Studies Center, judge@sc.edu)

[Shaping the Present] This is not Father Earth and they are not called The Three Brothers: Women, War Woman, WARP and WAC.

Maize agriculture in Native American societies was the domain of women yet at the core of all lives. This paper details the search for the earliest maize crop in South Carolina as it applies to understanding women’s ideology, household lives, mode of production and the status, power, and institutions that developed from their key role in economic production. By the time of the 16th century De Soto expedition women at Cofitachequi were the paramount leaders of a large Native polity. My question is when did maize agriculture begin in South Carolina? Joan Gero’s role in my thinking is fittingly pervasive.

Kangas, Rachael (Florida Public Archaeology Network, rkangas@fau.edu)

[Outside the Grid] Applying Queer Theory to Public Outreach

Using queer theory to plan, create, and perform public outreach in archaeology helps create an engaging experience for practitioners and the public alike. Queer theory is utilized to identify non-normative and minority stories in archaeology, and to question ways our current culture impacts our interpretations of the past. The application offers a framework to create programming that is beyond the basics of public archaeology by providing people the space and tools to engage with archaeological data and interpretation, as well as to engage with their own histories and heritage in ways meaningful to them.

Kassabaum, Megan (University of Pennsylvania, mkass@sas.upenn.edu)

[Shamans, Priests, Practice, Belief] Both Family and Food: Expanding the Case for Bear Ceremonialism into the Deep South

Since Paleolithic times, bears have been potent ritual symbols for peoples throughout Eurasia and North America. Though stories change by context, the meaning of bear has stayed remarkably constant. Preagriculturalists saw bears as people, albeit different-from-human people, who possessed great spiritual power. Bears linked the human and spirit worlds and were commonly seen as kin, healers, and food providers. These various roles recur in ethnographic, ethnohistoric, and archaeological data and are particularly well supported by archaeological evidence of large feasting events involving bear consumption, pipe smoking, and the setting of large standing posts at the Coles Creek period Feltus Mounds.

Keith, Scot (New South Associates, skeith@newsouthassoc.com)

[Of Roads and Ruins] Connecting the GDots: Observations on the Woodland Period in Georgia from GDOT Archaeological Compliance Investigations

In recent years, GDOT-funded compliance archaeolog-
ical investigations have yielded significant Woodland period data that have helped advance understanding of this dynamic period of time in Georgia and beyond. In this presentation, I draw upon Middle to Late Woodland period data from three GDOT projects located in different physiographic regions of the state in an attempt to show how data from GDOT studies can be used in multi-scalar synchronic and diachronic analyses to examine issues such as identity, community, interaction, religion, and iconography, and I specifically touch upon archaeological cultures Cartersville, Deptford, Swift Creek, Vining, Ocmulgee, Napier, and Woodstock.

**Kelly, John E.** (Washington University, jkelly@wustl.edu) and **James A. Brown** (Northwestern University)

**[Shamans] Cahokia and its connection to the spirit world as a place of pilgrimage**

Our purpose is to explore the way Cahokia connects the living with the spirit world (numinents). The manner Cahokians address the spirit world is founded and explained by the site's configuration, as it reflects the major tenets of Cahokia and its representation as a pilgrimage locus. As such it provides participants privileged access to the other world through participation. This provides a course where we can pursue the notion that Cahokia was specifically designed as a “place of high devotion,” whereby the connection and its success with healthy spirits can be maintained and nourished by making offerings.

**Kemp, Kassie** (Florida Public Archaeology Network, kkemp@usf.edu)

**[Outside the Grid] Pint of Archaeology: Tapping into a New Audience**

Traditionally, archaeologists engage the public through presentations at libraries and other academically focused venues. Bringing archaeology into non-traditional places such as local breweries and bars, allows us to tap into a new audience. We can reach people who may not be familiar with the discipline while also integrating archaeology into their established social functions. This presentation will explore efforts by the Florida Public Archaeology Network to relay information through informal, discussion style presentations with hands-on components. By departing from traditional formal PowerPoint formats, we hope to engage this unique audience and evoke interest in archaeology.

**Kidder, Tristram** (Washington University in St. Louis, trkidder@wustl.edu) and **Kelly Ervin** (Washington University in St. Louis)

**[Shamans] Portals of Poverty Point?**

Three sites play a special role in access to resources flowing towards Poverty Point: Claiborne, Neimeyer-Dare, and Jaketown. Each has a unique assemblage of goods that indicate it played an important role in the exchange network, and all had mounds and/or earthworks suggesting a special ritual/religious role. These settlements served as portals influencing the flow of goods into Poverty Point and nearby sites where naturally occurring stone resources were completely absent. We argue that Poverty Point was the epicenter of a widespread pilgrimage network and that these three sites served as pilgrimage stops/shrines on the trail to Poverty Point.

**Kimball, Larry R.** (Appalachian State University, kimballr@appstate.edu)

**[A Ritual Gathering] Why are Hopewell Blades Special?**

Hopewell blades hold a “special” status in archaeologists’ minds, but were they “special” in the minds of native peoples? These small tools, while undoubtedly reflecting an economizing behavior of carefully selected flints, have elicited diverse explanations: exchange, craft specialization, status, ritual, and ideology within the greater Hopewell phenomenon. At the same time, some studies have concluded that there is really nothing special about Hopewell blades beyond their use as multi-purpose tools. A sample of over 200 blades from Garden Creek, Biltmore Mound, and Icehouse Bottom is analyzed for usewear traces to better understand what these objects meant to native peoples.

**King, Adam** (South Carolina Institute of Archaeology and Anthropology, aking@sc.edu)

**[Markist] Sympathy for the Devil’s Advocate: A Consideration of the Rattlesnake Gorgets of Eastern Tennessee**
Compared to other gorget styles and themes made during the Mississippian period, the so-called rattle-snake gorgets of eastern Tennessee have been found in fairly large numbers. Stylistically, Jon Muller assigned these gorgets to the temporally-related Lick Creek and Citico styles, while Mark Crawford’s recent work has argued for substyles within. While their style has been studied extensively, the idea that these gorgets depict rattlesnakes generally has been accepted without further consideration. In this paper I present the results of a systematic iconographic study of rattlesnake gorgets completed by my fall 2014 iconographic methods class at the University of South Carolina.

King, Megan (University of Tennessee, mhoak@vols.utk.edu), Roger Cain (University of Arkansas), and Shawna Cain (University of Arkansas)

[General] Split-cane Technology: An Experimental Ethnoarchaeological Approach

Southeastern Indians have a long history of using river cane to produce material culture. However, perishable industries receive minimal archaeological attention except for in instances of extraordinary preservation. The goal of this study is to explore the use of flake tools in the production of split-cane technology and document use-related wear patterns. Central to the project is a collaborative experimental program with traditional basket weavers and craft specialists in the Cherokee Nation. The methods utilized may allow archaeologists to extract information about perishable material culture and the extent to which plant-based technologies were once integrated into prehistoric societies.

Kistler, Logan (University of Warwick, L.J.Kistler@Warwick.ac.uk) and Robin G. Allaby (University of Warwick)

[Growing Lost Crops] Genomic precursors to the adaptive syndrome of domestication

Some species readily partner with humans through domestication, while others are recalcitrant to adapt to symbiosis with humans under equivalent selection pressures. The adaptive syndrome of domestication describes the set of emergent phenotypic characters that tend to accompany plant domestication, comprising physiological and morphological adaptations to life in the human environment. However, there may be critical genomic precursors affecting the responsiveness of plants to human selection pressures, and ultimately limiting the set of species with potential as crops, lost crops, or companion weeds. That is, aspects of genome architecture may be critical in the evolution of domestication, and in determining the degree to which wild species are suited to domestication mutualism. We describe some shared characteristics of crop plant genomes observed through a large meta-analysis of modern species, and we speculate on the evolutionary roles of lost crops and companion species on the domestication landscape in eastern North America.

Knight, Vernon James (University of Alabama, vernonjamesknight@gmail.com)

[Documenting Early European..] Puzzles of Creek Social Organization in the Eighteenth and Nineteenth Centuries

Despite intensive study in the early 20th century by John R. Swanton and Frank Speck of social organization in the towns of the early Creek Confederacy, we are left with certain puzzling features. I outline two of them. First, despite the remarkable attention paid to clans and clanship, the nature of local, corporate kin groups was never clearly resolved. Second, despite evidence of a strong separation between the matrilineal organization, on the one hand, and the town council on the other, Swanton gives numerous examples where the two seem impossibly co-mingled. I offer my thoughts on both puzzles.

Kowalski, Jessica (University of Alabama, jakowals@gmail.com)

[Coles Creek Archaeology] The Coles Creek-Plaquemine Transition in the Southern Yazoo Basin

The Winterville Mounds site is the northernmost expression of Coles Creek and Plaquemine archaeological cultures in the Lower Mississippi River Valley. Winterville is unusual because it has both Coles Creek and Plaquemine components; Coles Creek mound sites in the region were abandoned at this time and later Mississippian centers were constructed on new ground. Using data generated from excavations at
Winterville and hinterland mound centers in recent years, this paper attempts to better understand this variable Woodland-Mississippian transition from a regional perspective, examining the roles of population movement, in situ development, and trade and exchange in culture change.

Kozuch, Laura (University of Illinois, shellwom-an1@gmail.com)

[Gen Sess.] Full-time Bead Crafters at Greater Cahokia

Bead crafting is time consuming and used lightning whelk and other species of shells brought from the western Gulf of Mexico to bead workshops at Cahokia. Tens of thousands of shell beads were made and deposited. Using ethnographic analogy from stone age bead crafting societies, along with time estimates of bead crafting, I examine bead crafting at Greater Cahokia as well as other Mississippian sites and conclude that bead crafting was a specialized, subsidized activity.

Krause, Maya (Wake Forest University, kraumb13@wfu.edu), Melissa Pouncey (Wake Forest University), Hadley Scharer (Wake Forest University), and Eric Jones (Wake Forest University)

[General] An Analysis of Housefloor Dimensions in the Late Woodland Upper Yadkin River Valley

This research analyzes sediment and artifact data to define housefloor dimensions at the Late Woodland (AD 800-1600) Redtail site (31Yd173) in the upper Yadkin River Valley (UYRV). We examined sediment organic content and the concentration and sizes of ceramic and lithic artifacts across space. Early results show ceramic sizes and concentrations decrease in the same 1m units that organic content rises, suggesting a maintained surface with increased activity. Evidence of housefloor dimensions in the UYRV could provide details about population, social organization, and domestic activities for dispersed households here, which are distinctive within the Piedmont Southeast after AD 1200.

Krigbaum, John (University of Florida, krigbaum@ufl.edu), Neill Wallis (University of Florida), George Kamanov (University of Florida), Ellen Lofaro (University of Tennessee), Amanda Friend (University of Florida), and Austin Jacobs (University of Central Florida)

[Current... SE Bio] Mayport Mound (8DU96) in regional context: An isotopic assessment of residential mobility at the eastern periphery

We explore residential mobility at Mayport Mound, near Jacksonville, a Middle Woodland site (ca. AD 300-800) that exhibits both Weeden Island and Swift Creek cultural components within its assemblage. Situated against the Atlantic coast, Mayport Mound represents a potential crossroads where people from north and west convened. Pottery vessels from Mayport Mound show strong ties to the Altamaha River in Georgia while patterned mortuary ceremonialism is consistent with sites across north-central Florida. Isotopic data demonstrate degrees of heterogeneity within the Mayport Mound burial assemblage. For example, 'outlier' individuals suggest immigration from interior locales, one potentially as distant as the Appalachians.

Kroulek, Orion (Alexander Archaeological Consultants, Inc., okroulek@gmail.com)

[The Williams Spring Site...] Feature Seriation, Morphology, and Site Structure at the Williams Spring Site (1MA1167)

The 288 archaeological features excavated at the Williams Spring Site (1MA1167) were seriated and analyzed based upon absolute chronometrics, artifact content, spatial relationships between features, and individual feature morphology. In addition to seriation of the features, statistical methods were employed to elucidate primary and secondary functions of features. Utilizing GIS technology, the spatial relationships between features through time were also analyzed, yielding architectural patterns and defining special use areas. These analyses culminated in a model of site structure, architecture, and use of space through time at the William Springs Site.

Krus, Anthony (University of Glasgow, tony.krus@glasgow.ac.uk) and Charlie Cobb (University of Florida)

[Mississippian Archaeology of the MCR] New Models for Mississippian Site Chronologies in the Middle Cumberland Region
The Middle Cumberland Region (MCR) in Tennessee was host to many Mississippi period (AD 1000–1600) settlements. Mississippian chronologies have been understood primarily through course-grained interpretations; however, there is potential for generation-level chronologies comparable to large-scale archaeological projects in Britain. We review the radiocarbon data from the Mississippian MCR and use Bayesian chronological models with simulated radiocarbon measurements needed to create fine-scale site chronologies. As one example, we demonstrate with current data how the timing of regional abandonment related to the Vacant Quarter can now be estimated with a greater degree of confidence.

LaDu, Daniel (The University of Alabama, daladu@crimson.ua.edu)

[Coles Creek] The Coles Creek Interaction Sphere

The Coles Creek culture of the Lower Mississippi Valley has long been characterized as provincial. A “mundane” material assemblage coupled with the virtual absence of foreign goods is cited as evidence that Coles Creek populations were focused on maintaining internal cohesion rather than pursuing extra-regional collaborations. Through an examination of the distribution of certain ceramic modes, the proliferation of the Black River site plan, and sustained homogeneity within the cultural heartland, this paper makes the case that Coles Creek societies participated within an interaction sphere stretching from east-central Arkansas to the Gulf Coast and from western Mississippi to eastern Texas.

La Rosa, Christian (North Carolina State University and Brockington and Associates, clarosa@ncsu.edu), Inna Moore (Brockington and Associates), and David Baluha (Brockington and Associates)

[Gen Session..] Using LiDAR to Identify and Analyze Landscape Features associated with Historic Phosphate Mines in Coastal South Carolina.

Phosphate Mining flourished from the mid-1860s to the late 1920s in areas adjacent to Charleston, South Carolina. The purpose of this poster is to demonstrate how Geographic Information Systems (GIS) and Light Detection and Ranging (LiDAR) technology can lead archaeologists to easily identify and analyze large-scale landscape features associated with historic phosphate mines. This is accomplished by creating a high-resolution digital elevation model (DEM), applying relief visualization techniques (r.skyview) and calculating terrain forms (r.geomorphon) using GIS geoprocessing tools.

Lambert, Shawn (University of Oklahoma, splambert@ou.edu)

[Exploring the Edges of the Caddo World] Addressing the Cosmological Significance of a Pot: A Search for Cosmological Structure in Craig Mound

For this paper, I examine the temporal and spatial placement of pottery in 98 Craig Mound burials in search for cosmological patterns in the vessels’ iconography. Only burials that were not in context with the Great Mortuary or the Spirit Lodge are considered here, because they have been significantly understudied. Ultimately, I assert that burials outside of the Great Mortuary and the Spirit Lodge were also placed in specific areas of the Craig Mound that represented a cosmogram, a ritually charged display that helped to maintain an important cosmological narrative.

Larsen, Clark Spencer (larsen.53@osu.edu), Ohio State University), Barbara J. Betz (Ohio State University), and Marklein, Kathryn (Ohio State University)

[Guale Life on St. Catherine’s] Bioarchaeology of Fallen Tree, St. Catherines Island, Georgia: Demographic Context and Health Profiles at the Precontact-Contact Interface

The bioarchaeological record on St. Catherines Island, Georgia, presents among the most complete sequences of human biocultural adaptation in the American Southeast. The recovery and study of individuals from Fallen Tree cemetery provide an opportunity to interpret patterns of health and lifestyle at the initial point of European contact in the 16th century. Our initial assessment of demography and paleopathology in the Fallen Tree series reveals a biological record consistent with other maize farmers in the Eastern Woodlands generally, namely significant presence of carbohydrates in diet (dental caries), increased sedentism (periosteal reactions), and rigorous lifestyle (osteoarthritis).
We discuss geophysical data collected in 2008 at the Mound Bottom site in the Middle Cumberland Valley. Artifact collections indicate the site was constructed around A.D. 1000, with occupation and re-use spanning some least three centuries. By around A.D. 1350 Mound Bottom was abandoned as a major center, but continued to be used as a burial location for dispersed populations along the Harpeth River. By the end of the fourteenth century, Mound Bottom, as well as much of the Nashville Basin was gradually abandoned.

Lawres, Nathan (University of Florida, nlawres@ufl.edu)

[Ancient Water Worlds] Bridging Earth, Sky, and Water with Place: Materializing Ontology in a Monumental Landscape

Prior to late 19th and early 20th century drainage projects, the Kissimmee-Okeechobee-Everglades watershed was the epitome of a water world, where water flowed across the entirety of the landscape for 9 months of the year. The peoples that dwelled in this world lived a life centered around, and surrounded by, water. They also built a vast array of monuments, ranging from circular ditches to geometric arrays of earthworks, in the middle of flowing water. These monuments reflect this water world, but they do so in a particular way that embodies an ontological understanding of an emergent, relational world.

Ledford, Kelly (Florida State University, kelly.1ledford@gmail.com), Tanya Peres (Florida State University)

[General] Show Us Your (Turkey) Legs: Crowdsourcing Data to Document Wild Turkey Population Management in the Southeastern US

Previously we have argued for the management of wild turkey populations in Middle Tennessee. We base this on ethnographic and ethnohistoric records, material culture, and turkey remains excavated from a Mississippian period site in Middle Tennessee. A larger database of turkey metrics from multiple time periods across the region are needed to more fully explore this issue. Since a project of this magnitude can take years and access to curated collections we turn to the archaeological community via crowdsourcing. We use freely and widely available online data entry and management software to collect the necessary metric and metadata.

Lew, Emily (The Germanna Foundation, mlelew93@gmail.com)

[Gen] Protohistoric Ceramics in the Northeast Mississippi Blackland Prairie

Recent and past findings including new AMS dates are overviewed in search of an explanatory model for understanding Chickasaw and related protohistoric ceramic set trajectories in the Northeast Mississippi region from Late Pre-Contact to the eighteenth century. Analysis of ceramics from large midden pits and related deposits continue to inform on major transitions in tempering practices, as well as patterns in the distribution of stylistic horizons and traditions in space and time. Inferences into historical sociopolitical coalescence and divergence are sought.
[Native-built log cabins] **European Influences on Choctaw Architecture**

Recent archaeological investigations at Choctaw sites in east-central Mississippi revealed evidence of European influences on Choctaw architecture beginning as early as the first half of the eighteenth century. Documentary evidence indicates that sometime in the early nineteenth century Choctaws began constructing European log cabin type structures. This paper examines the European-inspired changes in architecture as a basis for exploring the eventual shifts away from matrilineally dominated social relationships in Choctaw society.

**Livingood, Patrick** (University of Oklahoma, patrickl@ou.edu)

[General] **Leadership Specialization Among the Caddo and Their Neighbors**

One of the remarkable aspects about the Hasinai Caddo is the nature of their specialized leadership roles. This paper is going to take a comparative approach using ethnohistoric documents to examine the differences between the Caddo and their neighbors with regard to the types of specialized roles that exist, the types of divisions and circumscriptions on authority that exist for leaders, and the level of formality or informality in leadership function. The goal of the paper is to highlight what is and is not especially unique about the Hasinai Caddo.

**LoBiondo, Matthew** (Monmouth University, matthewcoyte@yahoo.com) and Richard Veit (Monmouth University)

[John Cottier] **An Extraordinary Mississippian Pipe from the William Vaux Collection**

William Samson Vaux, Esq was an enthusiastic 19th century collector of minerals, artifacts, and coins. Passionately interested in the sciences, and particularly archaeology and geology, he amassed an unparalleled collection of Native American artifacts that he later donated to the Philadelphia Academy of Natural Sciences. Today these finds are housed by Bryn Mawr College. Included in the collection is a noteworthy Mississippian effigy pipe. Carved from stone, the pipe depicts a warrior encircled by rattlesnakes holding a chunky stone. This paper examines the pipe in its cultural and religious contexts. The pipe is not only noteworthy for what it tells...

**Lockhart, Jami J.** (Arkansas Archaeology Society, jlockhar@uark.edu)

[General] **Richard’s Bridge (3CT11/22): An Examination of Life on a Terminal Mississippian Frontier**

For the past four years, researchers at the Arkansas Archeological Survey and Society have examined the intersite and intrasite settlement patterns that distinguish the Parkin-Phase Richard’s Bridge site in eastern Arkansas. Extensive excavations corroborate remote sensing signatures for more than 50 prehistoric/protohistoric structures, and numerous associated features. Multisensor geophysics, precision mapping, targeted excavations, radiometric dating, diagnostic artifact analysis, and GIS-driven data integration are employed to interpret this dynamic cultural landscape located at the epicenter of initial European contact west of the Mississippi River.

**Lofaro, Ellen** (University of Tennessee, elo-faro@utk.edu), George Kamenov (University of Florida), Ashley Sharpe (University of Florida), John Krigbaum (University of Florida)

[Current Research in SE Bio] **Mobility and Contact: The Mission Site of Santa Maria de los Yamassee, Amelia Island, Florida**

Previous archaeological and ethnohistorical research on Spanish Florida notes varied movements and changes of indigenous populations on Amelia Island throughout the 17th century. This current research focuses on an earlier mission site thought to be Santa Maria de los Yamassee (ca. AD 1600-1680). Strontium and lead isotope ratios and light isotope proxies from human tooth enamel illuminate the life histories and mobility patterns of the individuals interred at this mission site, and demonstrate that while most of the 20 individuals sampled to date were likely raised along the coast of Spanish Florida, at least 3 individuals were not born locally.

**Loubser, Johannes** (Stratum Unlimited LLC, jloubser@stratumunlimited.com) and **Joel Logan** (Jackson County GIS Division)
[General] An Assessment of Stone Piles in Georgia, with Special Reference to Jackson County

Indigenous inhabitants from different ethno-linguistic groups living in the southeastern US have told different early Euro-American observers at different times more-or-less similar accounts of stone piles in the region honoring departed people. Results from different archaeological excavations of solitary big stone piles on ridge toes appear to support this interpretation. However, results from recent excavations of a stone pile complex in Jackson County suggest that the roughly stacked piles on the culturally sterile ridge toe resulted from straightforward ground-clearing activities, possibly in preparation for "going-to-water" ceremonies dating back 800 years ago.

Loughlin, Michael (University of Kentucky, mlough0@g.uky.edu), Steven Ahler (University of Kentucky), Tyler Stumpf (University of Kentucky), and Sophia Jamaldin (University of Nevada, Reno)

[Gen Sess] An Early to Middle Archaic Base Camp Overlooking the Cumberland River in Trigg County, Kentucky

Excavations of Area C at the Canton Site in western Kentucky revealed an intact Kirk Basecamp situated on an upland bluff overlooking the Cumberland River. In this poster we use artifact distributions to examine the spatial organization of the site. These data indicate the presence of three activity areas located along the edge of a sinkhole. Based on the density and diversity of the recovered tools, these "residential" areas would have been used for a variety of domestic activities including food preparation, stone tool production and maintenance, and hide/woodworking.

Love, Sarah (Georgia Department of Natural Resources, sarah.love@dnr.ga.gov), Emma Mason (Georgia Department of Natural Resources), and Joseph Smith (Hall Smith Office_Architecture)

[Gen Sess] A New Look at Ledford Island: Mapping a Late Mississippian Village With Near Surface Geophysics

New South Associates conducted a magnetic gradiometer and ground-penetrating radar (GPR) survey of Ledford Island (40BY13), Bradley County, Tennessee. During excavations in the 1930's, the WPA recorded an intensively occupied village and nearly 500 burials. Geophysical data collected in 2016 were used to map the entire village area and spatially reference the 1930's excavation maps. Using the combined data sets, we were able to make interpretations analyzing intra-site feature patterning and community organization. Geophysical results and historic excavation data were additionally used to make further interpretations about the specific structure types within the village.

Lowry, Sarah (New South Associates, Inc., slowry@newsouthassoc.com), Shawn Patch (New South Associates, Inc.), and Lynne Sullivan (University of Tennessee)

[SGA] Archaeology at a Rosenwald School: Interpreting Fairview's Identity

Of more than 5,000 Rosenwald structures built in the 20th century Southeast, the Fairview School in Cave Spring, Georgia was constructed to provide an educational facility for the local African-American community. Following the site's rediscovery, the community of Cave Spring spearheaded efforts to preserve and interpret the Fairview site. To date, little archaeological research has been performed on sites related to the Rosenwald initiative. By incorporating archaeological research into these community-led efforts, and collaborating with historic preservationists, this project helps in understanding Fairview's individual identity within the broader scope of Rosenwald school sites.

Lowry, Sarah (New South Associates, Inc., slowry@newsouthassoc.com), Shawn Patch (New South Associates, Inc.), and Lynne Sullivan (University of Tennessee)


Ongoing archaeological research continues to make new discoveries and to raise intriguing questions about how Florida Indian peoples used surface water in the landscape. A number of artificial canoe canals, ponds, and other earthworks demonstrate careful engineering and an understanding of surface hydraulics. Studying these works and their functions will add to our understanding of the people who built and used them.

Lulewicz, Isabelle (University of Georgia, ihlul@uga.edu), Victor Thompson (University of Georgia)
[Gen Sess..] Oyster Paleoecology and Native Subsistence Practices on Ossabaw Island, Georgia

We examined the shell size of 3,262 oysters (Crassostrea virginica) as a means to examine diachronic patterns in shellfish exploitation on Ossabaw Island, Georgia. The different size classes were compared between a Late Archaic shell ring, a Late Woodland midden, and a Late Mississippian midden in order to evaluate changes in oyster population ecology as it relates to large scale changing environmental conditions and Native subsistence practices over time. Our results indicate a stability in oyster populations during the Late Archaic with a following decrease in oyster size through the Late Woodland into the Late Mississippian.

Lulewicz, Jacob (University of Georgia, lulewicz@uga.edu)


Between A.D. 1250 and 1300 the sociopolitical landscape of Southern Appalachia was drastically transformed. This paper investigates the establishment of new social, political, and economic relationships by exploring changes to gendered networks of political expression, and more specifically, to gendered realms of sociopolitical power. Employing a regional data set of ceramic technological and decorative traditions as modes of social signaling, this study explores how the formation of aggregate villages, the centralization of political leadership, and the institutionalization of socioeconomic inequalities, altered the sociopolitical roles and relationship between men and women over the course of only a few generations.

Sarah Luthman (University of Oklahoma), Chris Dial (University of Georgia), Claire Lutrick (University of Georgia), Jim Rooks (Georgia Gwinnett College), Stefan Brannan (University of Georgia), Jennifer Birch (University of Georgia)

Magnetometry data and excavations in 2015 identified a linear palisade adjacent to the largest mound at Singer-Moye — a Mississippian Period site located in the Lower Chattahoochee River Valley. We excavated two separate units, the first to ascertain if the palisade continued beyond a clear termination point in the magnetometer data, and the second to determine if it intersected with a perpendicular palisade segment identified in earlier excavation. Our results indicate that the palisade extends beyond the magnetometer results but does not intersect with the second palisade, suggesting that the two palisades were not contemporaneous.

Maggard, Greg (ODOT Cultural Resources Program, gmaggard@ou.edu), Justin Carlson (University of Kentucky), Daniel Sea (East Tennessee State University), and Gary Stinchcomb (Murray State University)

[General] Middle Archaic Lifeways and the Holocene Climatic Optimum: A View from Ireland Cave, Kentucky

Excavations at Ireland Cave (15Jf839) in Jefferson County, Kentucky yielded cultural materials and AMS dates from a relatively deep stratigraphic profile containing several hearth and pit features that indicate distinct occupational episodes between ca. 7700-7000 calBP and 6300-6000 calBP. Increased sedimentation rates evident in the depositional sequence suggest that the earliest occupation likely coincided with the onset of the Holocene climatic optimum—a period that remains poorly understood within local and regional models of Middle Archaic settlement and technology. These data provide important new insights into the timing and development of Middle Archaic lifeways within the central Ohio River drainage.

Mahar, Ginessa (University of Florida, gjmahar@ufl.edu)

[Ancient Water Worlds] The Changing Taskscape of Southeastern Coastal Societies: A Perspective on Fish Weir Use

Due to scant archaeological evidence, southeastern coastal fish weirs have been given little attention in the anthropological and archaeological literature. However, some evidence does exist. Ethnographic accounts detail the use of coastal weirs and archaeological survey has documented riverine weirs throughout the piedmont. This paper takes a closer look into the evidence of fish weir use along the southeastern coast and the impact that such structures would have had
on the timing of daily practices of these societies. To do this Ingold’s Taskscape will be invoked along with several lines of evidence, including: ethnohistoric, archaeological, experimental, and experiential.

**Mangum, Douglas** (Moore Archaeological Consulting, Inc., mang_arch@hotmail.com), Patricia Christmas (Moore Archaeological Consulting, Inc.), and Kelly Ervin (Washington University in St. Louis)

[Gen Sess] A Prehistoric Decorated Copper Plate Found near the San Jacinto Battleground in Texas

In 2005, archeologists from Moore Archeological Consulting, Inc. undertook an intensive metal detecting investigation on behalf of the Texas Parks and Wildlife Department at a locale near the San Jacinto Battleground State Historic Site. One of the items recovered during the survey was a hammered copper plate displaying a highly stylized design containing features in common with images found in Mississippian culture objects. This presentation will discuss the object and plans for future research.

**Mann, Eva M.** (University of Miami, eva.mann@live.com), William J. Pestle (University of Miami), Donald F. McNeill (University of Miami), Robert S. Carr (Archaeological and Historical Conservancy, Inc.), Ryan Franklin (Archaeological and Historical Conservancy, Inc.)

[Gen Sess] Establishing Tequesta Settlement Chronology through Geochemical Analysis of Calcretes

The Metropolitan (Met) Square site (8DA11), located in downtown Miami, and associated with the Tequesta people, contains many traces of ancient human activity, including thousands of postholes cut directly into the limestone bedrock. Laminated calcretes were found lining these postholes, and in this work we present the results of our efforts to establish a geochemical stratigraphy of the calcretes and, ultimately, a relative sequence of the postholes and the structures they represent. Data derived from petrography, total organic carbon, X-ray diffraction, and stable-isotope analysis were used in an attempt to understand calcrete formation as well as to help reconstruct paleoenvironment.

**Mann, Evan** (University of Miami, evan.m.mann@gmail.com), William Pestle (University of Miami), Traci Ardren (University of Miami), Ryan Harke (University of South Florida), and Monica Faraldo (University of Miami)


The Stock Island site (8MO2) was, prior to its destruction, a midden produced by the Matecumbe population, who inhabited the Florida Keys before and through Spanish contact. Although the site provides a great deal of evidence about resource use, little is known about why specific resources were exploited, while others were not. This study gives insight into patterns of malacological resources use, using zooarchaeology and cost/benefit models to test whether various marine mollusks were collected primarily for food use, or if certain taxa were targeted instead for non-nutritive purposes (e.g. tool manufacture or trade).

**Mann, Jason** (Troy University, jmann@troy.edu)

[Cottier] The Thrash Site – A Poverty Point related site in Southeast Alabama

The Thrash Site, located at the Fall Line terminus along the Pea River in Southeast Alabama shows a clear relationship to the Poverty Point culture. Artifacts from the site include: Poverty Point Objects, fiber tempered pottery, steatite vessels, exotic non-local materials, different varieties of stamped and decorated pottery, unusual clay objects, large cooking pits, hot-rock cooking pits, and a potential large rectilinear structure. This discussion will show the artifacts and clear relationship to Poverty Point and other similar manifestations across the Gulf Coastal Plain.

**Manzano, Bruce** (University of Kentucky, blmanz2@uky.edu)

[Gen] The First Archaeological Find of Guinea Pig in North America

Excavations in the 1970s at the Heyward-Washington House Site in Charleston, South Carolina recovered six guinea pig (Cavia porcellus) bones from early 19th Century archaeological context. These specimens are the first of this species from a North American ar-
chaeological site and represent trade links in antebellum Charleston to South America and maybe elsewhere. The remains are discussed by elements represented, their condition, if the animal was used as a pet or food, and that more guinea pig bones should be found at other historic sites along the Atlantic coast.

Marcoux, Jon Bernard (Salve Regina University, jon.marcoux@salve.edu)

[Documenting Early] The Savannahs and the Landscape of Indian Slavery at the Turn of the 18th Century

Past research has outlined the profound effects of the Carolina Indian slave trade on the cultural landscape of the Southeast during the late seventeenth and early eighteenth centuries. In this paper, I discuss how one Indian group, the Savannahs, negotiated the chaotic colonial landscape through a combination of migration, coalescence, and participation in the Indian slave trade. I explore historical and archaeological data in order to outline the historical narrative of the Savannahs and to identify and delineate the social networks that connected them to Charleston and the Atlantic World.

Markin, Julie (Washington College, jmarkin2@washcoll.edu)

[A Marxist Archaeology...] X "Marks" the Spot

Fueled by coffee and serrano chilies, the keen eye-sight of micro-topography and the power of advanced random number generation [resistivity], modern archaeologists do not need treasure maps or fedoras to locate traces of the past. Work at Indiantown Farm on Maryland’s Eastern Shore utilizes gradiometry and resistivity to discover buried structures and artifacts from the Late Woodland/Contact period. The likely location of a King’s house on John Smith’s 1612 map, Indiantown Farm is critical to addressing the apparent lack of complexity organized late prehistoric societies in this area. Properly equipped with Hawaiian shirts and Duke’s mayonnaise, the search continues.

Martin, Tracy (New South Associates, tracymartin@hotmail.com) and Pam Enlow (New South Associates)

[Lower Cape Fear.. Wilmington] Ceramics and Radiocarbon Dates from the Riverlights Tract

The paper will take a look at the pottery recovered from the five sites investigated during the Riverlights Data Recovery project in Wilmington, North Carolina as well as examine the radiocarbon dates obtained from features. All five sites contained Late Archaic to Late Woodland ceramics and multiple features. Three features from three sites contained Hanover sherds within the feature fill. Charred samples were collected. One feature was dated to the Middle Woodland Period and two features were dated to the Late Woodland Period, suggesting that the Hanover series may expand beyond the previously suggested Middle Woodland range.

Mason, Emma (Georgia Department of Natural Resources, emma.mason@dnr.ga.gov)

[Gen Symp...] GIS on the Qualla Boundary: Data Management for the Eastern Band of Cherokee Indians THPO

Geographic information systems (GIS) contribute to the standardization, management, and analysis of archaeological site information. Over the course of a year, data was collected from various agencies, and a digital database and associated map were produced in collaboration with the Eastern Band of Cherokee Indians Tribal Historic Preservation Office (EBCI THPO). The database and map act as sustainable reference tools for archaeological and historical sites on the Qualla Boundary, and contribute to the efficiency of cultural resource management by the EBCI THPO.

Mathers, Clay (The Coronado Institute, clay-mathers@earthlink.net)

[Documenting Early European/Native Contacts] From Object to Empire: Marvin Smith’s Impact on Entrada Period Research in the American Southwest

This paper highlights some of the major contributions by Marvin Smith in connecting “object-oriented” artifact studies to the broad historical, anthropological, geographic, and archaeological understanding of Native polities and the imperial geopolitics of the first truly global empires. A case study from New Mexico,
aimed at understanding major Vázquez de Coronado sites and the broad context of 1540-1542 Tiguex War, underlines the profound impact of Marvin’s research on entrada studies west of the Mississippi. Aided by many approaches pioneered by Marvin, we are beginning to connect the ‘dance steps’ between artifacts and polity interaction at large, appropriate, and meaningful scales.

Matternes, Hugh (New South Associates, Inc., mmatternes@newsouthassoc.com)

[General] Leaving Atlanta: Post-Mortem Migration as Recorded in African-American Grave Markers

Concrete grave markers are an important part of African-American folk culture. During the mid-Twentieth Century, African-American funeral homes included locally made, individualized concrete markers among their suite of services. Standardized tablet and flat-plaque forms generated by artisans from the Atlanta metropolitan area list the supplying Atlanta-based funeral homes and exhibit distinctive shapes, cement compositions, and stenciling. These markers are not unique to the metropolitan-Atlanta area, rather may be found in burial grounds throughout the state. Identification of these markers outside of Atlanta can be used to infer ‘Coming Home’ traditions, where decedents were returned for burial with other family members.

May, J. Alan (Schiele Museum of Natural History, alanm@cityofgastonia.com)

[Gen poster] Steven M. Watts, Schiele Museum of Natural History Aboriginal Studies Program Specialist and Primitive Skills Master

Steve Watts’ 30 years of programs and workshops centered on humankind’s technological development from before the Stone Age to the present: Our Ancestors...Ourselves. Watts described the theme as “Two million years of evolutionary fact and fantasy ...an attempt to connect us emotionally with our earliest ancestors.” From historians, anthropologists, and archeologists, Steve learned a variety of skills representing Indigenous lifestyles from diverse regions around the globe. His experience with teaching these skills fostered student self-awareness, elongated focus, and tenacity. Stone tool skills, fiber craft, shelter, fire craft, bone tools, and hunting implements were part of his teaching kit.

McBride, Stephen (Camp Nelson Civil War Park, stephenmcbride@twc.com), Kim McBride (University of Kentucky), George Crothers (University of Kentucky), Phil Mink (University of Kentucky), and Jeff McDanald (Camp Nelson War Park)

[Poster] Archaeology of Civil War Photography and Stencil Cutting at Camp Nelson, KY

Recent geophysical survey and excavations near the William Berkele Sutler Store at the U.S. Army Civil War base of Camp Nelson, Jessamine County, Kentucky revealed evidence of a heating oven that was associated with an undocumented photographic studio and stencil cutting shop. Artifacts discovered suggest that cased photographs, probably Ambrotypes and/or Tin-types, and stencils were produced at this site for soldiers and possibly civilians. One stencil marked C. J. Young Artists and further historical research suggests that the photographer and stencil cutter was Cassius Jones Young, who became a well known postbellum photographer in Kentucky and Ohio.

McCarty, Rita (Mississippi National Guard, ritadmcarty@yahoo.com)

[Gen] The History and Site Structure of Site 22PE2976, A Small Antebellum Plantation Within the Camp Shelby Training Site, Perry County, MS

In 2015, routine timber management activities at Camp Shelby, MS exposed artifacts dating to the Antebellum. Subsequent historic research identified the site as the original farmstead of Solomon T. Garraway, an early Perry County plantation owner. Phase I shovel tests revealed a rich antebellum assemblage and possible intact cultural deposits. Earlier this year, volunteers with the Mississippi Archaeology Association and other state and federal organizations helped in the excavation of 1x1 meter test units. The test units, coupled with LIDAR imagery, produced subsurface features and subtle changes in land formation. This paper presents initial results of the excavations and research.

McFadden, Paulette S. (Florida Bureau of Archaeological Research, paulette.mcfadden@dos.myflorida.com) and Neill J. Wallis (Florida Museum of Natural History)
Refining the “Nature” of Human-Environment Relationships on the Northern Gulf Coast of Florida

On the northern Gulf Coast of Florida, residents of the Deptford Period village on the shore of Hosie Pond experienced significant environmental changes starting around 1 BC. A rapid shoreline transgression due to substantially increased rates of sea-level rise inundated low lying areas and created a vast expanse of marsh to the south and west of the village. This event likely created a channel that permanently drained the important fresh-water pond. Deptford settlement shifted to the stable pond at Garden Patch, where intensified occupation over the next several centuries altered the floral distribution and topography of the area.

McKinnon, Duncan (University of Central Arkansas, dmckinnon@uca.edu)

Somebody’s Best Friend: A Preliminary Synthesis and Comparison of Canine Mortuary, Symbolism, and Ethnography in the Caddo Area and Neighboring Regions

The thousands of dog burials throughout prehistoric North America document mortuary programs tied to the deliberate burial of the domesticated dog (Canis familiaris). In this paper, I present a preliminary and ongoing synthesis and analysis of dog burials identified within the Caddo Area (SW Arkansas, NW Louisiana, NE Texas, SE Oklahoma) and neighboring regions, such as those areas occupied by the Quapaw, Pawnee, and Natchez. Emphasis is on evaluating the types and distribution of canine mortuary practices, comparing symbolic referents, and a survey of ethnographic records describing the role of “somebody’s best friend” in Caddo and adjacent areas.

Medeiros, Cassandra (Tennessee Valley Archaeological Research/The University of Alabama, camedeiros@crimson.ua.edu)

Lost Lightnin’: Moonshine in Alabama as Represented in the Archaeological Record

Moonshine stills are commonly discovered during archaeological surveys and excavations across the Southeast, where moonshine production holds historical economic importance. Stills are recorded occasionally, but little investigative research is done because of a prevailing assumption that they offer nothing of historical significance. I seek to demonstrate that this assumption is not correct. My major objectives include establishing a chronology and typology of stills, identifying settlement patterns, and determining land use patterns associated with still locations across Alabama. This research contributes to the study of historic archaeology in Alabama and the anthropological investigation of alcohol and its production and distribution.

Meeks, Scott C. (Tennessee Valley Archaeological Research, scott@tvaresearch.com), Keith J. Little (Tennessee Valley Research), Hunter B. Johnson (Tennessee Valley Research), and Kandace R. Hollenbach (University of Tennessee)

Migration, Coalescence, and Mississippian Developments in the Yazoo Basin: Perspectives from a Non-Mound Site

Spatiotemporal ceramic type-variety associations coupled with a bank of 37 radiocarbon dates provide a firm basis for a horizontal segregation of site components at the non-mound Parker Bayou II site in the Yazoo Basin. While the radiocarbon dates indicate a continuous occupation at the site from the early to mid-twelfth century well into the early thirteenth century, there was an abrupt change in material records around cal A.D. 1200. At least some of these changes are indicative of a Mississippian group’s migration to the site which resulted in a coalescence with the inhabitants of a locally residing Terminal Woodland community.

Mehta, Jayur (New Orleans Center for the Creative Arts, jmehta@nocca.com)

Conjuncture and Mound Summit Architecture at the Carson site

The Annales concept of conjuncture is used to enliven the study and interpretation of mound summit architecture at Carson’s Mound D. Excavations by the Carson Mounds Archaeological Project (CMAP) demonstrated that multiple structures were built and
rebuilt in place on the summit of Mound D. Using multiple radiometric dates and archaeological analyses to demonstrate the significance of these structures, this study argues that the lived experiences of craft producers on the mound summit served to structurally transform sources of power from monumental, landesque capital to individualizing goods-based resources.

Melton, Mallory (University of California, Santa Barbara, melton@umail.ucsb.edu)


This study compares plant foods selected by Native American inhabitants of two villages, Wall (A.D. 1400-1600) and Jenrette (A.D. 1630-1680), located near the Eno River in the North Carolina Piedmont. Scholars have suggested that seventeenth-century Native American-European interactions in this drainage were infrequent or non-existent, and did not greatly impact indigenous residents. Archaeobotanical data reveal shifts in food preferences from the Late Woodland period to the seventeenth century, including a statistically-significant decrease in maize density and greater dependence on foraged resources. I suggest that these changes signify emerging uncertainty and concerns with food security during the late seventeenth century.

Menz, Martin (University of Michigan, martmenz@umich.edu)

[Archaeology in Action] Lithic Craft Specialization and Exchange in the Woodland Period: Examples from West Georgia

Woodland period societies are commonly thought of as economically undifferentiated, due in large part to a continuing focus on the homogeneous domestic assemblages at prominent mound centers of the period. However, evidence of craft specialization, specifically intensive lithic tool production, has been encountered in regions associated with many such sites in the American Southeast. I compare patterns of lithic tool production and exchange within the Chattahoochee and Etowah river valleys of western Georgia to those of other areas and suggest that Woodland period economies were differentiated and interdependent at regional scales.

Menzer, Jeremy (University of Arkansas, jeremy.menzer@gmail.com) and Jay D. Franklin (East Tennessee State University)

[Gen] Pile Mound Take Two: Continuing Archaeological Investigations Through Geophysics and Excavations at the Mississippian Mound Site, Upper Cumberland Plateau, Tennessee

The Pile Mound survey includes magnetometry with targeted ground penetrating radar, electromagnetic induction, low-altitude aerial and ground based photogrammetry, and excavations of associated features. Geophysical data provided the locations of a structure and pit or midden features confirmed through excavation and further documented through photogrammetric models. Geophysics also suggests the location of two more structures and numerous archaeological features. This data along with new ceramics, which suggest a transition from Early to Middle Mississippian, and dates expand our knowledge at the site and region. Currently, knowledge of the Mississippian occupation in the Upper Cumberland Plateau of Tennessee is severely lacking.

Meredith, Steven M. (Panamerican Consultants, Inc., mered003@gmail.com)

[Gen poster] Quarrying and Knapping Fort Payne Chert over the Millennia

Archaeological testing of Mossy Bluff (1Ct610), a multi-component site above Muscle Shoals in northwest Alabama, has provided a diachronic sample of how knappable stone was procured and used in an area where it is most abundant. Cores, preforms and debris from quarrying, manufacture, and discard of tools at an outcrop of the Fort Payne Chert and the Tuscumbia Limestone reveal direct quarrying from outcrops in at least two intervals of time in the Archaic period and recycling of earlier debitage in the Late Mississippian/Protohistoric period.

Merrick, Megan (Florida State University, megandmerrick@gmail.com), Tanya Peres (Florida State University)

[Gen poster] Artifact Analysis of Two Archaic Pits
The purpose of this research is to determine the nature of two pit features discovered during an archaeological dig in summer, 2014, in southwest Rutherford County in Eagleville, Tennessee. The artifacts found in them include charcoal, seeds, carbonized bone and walnut shell, lithic tools, and heated rock. Analysis took place in two phases: sorting by size using nesting sieves, and sorting and recording them by type. The purpose of analyzing these artifacts and creating a typology is to determine the function of the pit features and their relation to one another.

Mersmann, Joy (Washington University in St. Louis, joymersmann@gmail.com) and Kelly Ervin (Washington University in St. Louis)

[Gen Sess] The Jackson Site is Back! LiDAR-based Mound Construction and Viewshed Analysis of the Coles Creek Era Poverty Point Landscape

The area surrounding Poverty Point in northeast Louisiana is a culturally rich archaeological landscape with a deep chronology linking thousands of years. One of the later occupational features, the Coles Creek era Jackson Place mound group (ca. 700-1200 A.D.), was levelled for farming outside of state park boundaries. Using LiDAR basedata, historic aerial imagery, and descriptions by C.B. Moore, topographic relief of the earthworks is reconstructed in GIS. With these new analytical surfaces, a viewshed analysis from the Jackson Place mounds suggests the earlier Archaic earthworks, here called heritage structures, were part of the visible Coles Creek landscape.

Messer, Haley (Florida State University, hsm12b@my.fsu.edu)


In 1972, as part of a broad effort to locate the Spanish missions of northwest Florida, archaeologist B. Calvin Jones discovered site 8JE100, which he identified as Mission San Lorenzo de Ivitachuco. This research suggests that 8JE100 might not be the true location of mission Ivitachuco. This research used the systematic analysis of previously unanalyzed artifacts to determine that while 8JE100 is correctly identified as an early mission site, it is potentially mislabeled. It is likely that 8JE100 represents an unidentified mission site in northwest Florida, while another located site to the east is the true location of mission Ivitachuco.

Meyers, Maureen (University of Mississippi, memeyer1@olemiss.edu) and Robbie Ethridge (University of Mississippi)

[Marksist Archaeology] Archaeological and Ethnohistoric Evidence of the Mississippian Polity of Lamar

This paper examines archaeological and ethnohistoric evidence for the Lamar polity during the early and late Mississippian period in central Georgia. Using data on previously recorded sites, this presents a view of both Stubbs and Cowarts phase occupations and suggests contemporaneous sites within the Ocmulgee region composed a polity that changed over time. The Lamar chiefdom was visited by the De Soto expedition in the mid-sixteenth century. An ethnohistoric examination of the DeSoto documents in conjunction with the archaeological evidence presented is used to better understand the social history of Lamar during the late prehistoric and early contact periods.

Milinsky, Jenna (University of Tennessee - Knoxville, jmilinsk@vols.utk.edu), Martin Walker (University of Tennessee - Knoxville), Elizabeth Albee (University of Tennessee - Knoxville), Miranda Campbell (University of Tennessee - Knoxville), Abigail Huffman (University of Tennessee - Knoxville), and David Anderson (University of Tennessee - Knoxville)

[Gen Poster] The Chicken or the Egg: Highlighting the Importance of Beginning with Deliberate Database Design

A relational database was created for current UTK excavations focusing on the Late Prehistoric occupations at the Topper Site (38AL23), Allendale, SC. The database being presented was designed with the expressed purpose of being utilized by multiple current and future projects as well as being able to integrate seamlessly into GIS platforms. Carefully outlining the structure and flow of this database, in addition to ensuring the pre-planning of data fields at the outset of the project, has been vital in the efficient management of both field and laboratory time and practices. Thoughtful database construction optimizes cooperation and ever-changing research agendas.

Miller, Catherine (University of Wisconsin-Milwaukee, ckmiller@uwm.edu), Russell Cutts (University of Geor-
[Poster] Landscape Survey of Potential Combustion Features at FxJj20 Site Complex in Koobi Fora, Kenya

This is a preliminary landscape survey of Area 131 near the archaeological site of FxJj20 in the Koobi Fora Formation in northern Kenya, to determine frequency and distribution of potential combustion features. Previously, similar features in archaeological sites have been recovered with material that exhibit evidence of having been exposed to high temperatures. These patches date between 1.5 and 1.64 mya. Twenty-five potential combustion features were found, twelve of which were mapped to determine the association with artifacts and fossils. The spatial distribution of the potential features indicated possible environmental influences on the location and clustering of the features.

Miller, D. Shane (Mississippi State University, d.shane.miller@gmail.com), Jesse W. Tune (Mississippi State University), Kelsey J. Meer (Mississippi State University), J. Ryan Young (Mississippi State University), Derek T. Anderson (Mississippi State University)

[Poster] The Swag Site (38AL137): Another Paleoindian Site at the Allendale Quarries?

The Swag Site (38AL137) was recorded during the initial survey of the Allendale chert quarries by Albert Goodyear and Tommy Charles in 1984. While subsequent work focused on the Topper and Big Pine Tree sites, the Swag site was overlooked until a systematic survey conducted in 2015 that identified several localities with buried archaeological deposits. In May 2016, a field school conducted by Mississippi State excavated 10m2 excavation block in one of these localities that produced artifacts that are comparable to Clovis components at Topper, Carson-Conn-Short in Tennessee, and the Adams site in Kentucky.

Miller, Megan Marie (Florida Atlantic University, mmill200@fau.edu) and Terry Hooker (Affiliation?)

[Gen] How Archaeology Can Change a Small Town

The word “archaeology” brings with it the idea of adventure; this perceived adventure is what makes archaeology cool to many children. This excitement should be used to introduce students to the history of their community. By integrating archaeology within the classrooms, students become enthusiastic to learn and will retain their knowledge by hands on application. Elementary to high school, essentially any subject can be used as a basis for teaching how archaeology and anthropology is entwined in their everyday life.

Miller, Sarah (Florida Public Archaeology Network, semiller@flagler.edu), Kevin Gidusko (Florida Public Archaeology Network), and Emily Jane Murray (Florida Public Archaeology Network)

[Gen Session] Heritage Monitoring Scouts (HMS Florida): Engaging the Public to Monitor Heritage at Risk

Along Florida's 8,000 miles of shoreline, nearly 4,000 archaeological sites and over 600 recorded historic cemeteries are at risk from coastal erosion and rising sea levels. The matter remains complex in Florida where, despite a 20 percent higher rate of sea level rise than the global average, “climate change” remains politically taboo. This paper will outline ongoing efforts to engage the public in monitoring coastal sites, detail the creation of the Heritage Monitoring Scout (HMS Florida) program by the Florida Public Archaeology Network, and discuss outcomes of the first annual conference to address these issues, Tidally United, held August 2016.

Mitchem, Jeffrey (University of Arkansas, jmitchem1@yahoo.com) and Timothy S. Mulvihil

[General] We Think We Found Hernando de Soto's Cross at Casqui

While refilling a looter's hole in 1966 atop the platform mound at the Parkin site (3CS29) in northeast Arkansas, researchers encountered the remains of a large wooden post. Investigations in the early 1990s revealed that the wood was bald cypress and radiocarbon dated between 1515 and 1663. Archaeological and geographical evidence has convinced most archaeologists that Parkin is the site of Casqui described in the Hernando de Soto expedition chronicles, where a cross was erected atop the mound. Excavations in 2016 succeeded in relocating the post, and subsequent investigations have supported the assertion that it is indeed the cross.

Mitchem, Jeffrey (University of Arkansas, jmitchem1@yahoo.com) and Timothy S. Mulvihil
Moody, C. Adam (University of Oklahoma, carlisle.a.moody-1@ou.edu)

[Gen Poster] Chronology, Continuity, and Community: an Analysis of 268 Early Historic Chickasaw Vessels

Using vessels excavated from 6 domestic midden features from two different sites spanning the mid-seventeenth to mid-eighteenth centuries, this analysis addresses several archaeological questions concerning Chickasaw pottery production. The first is developing reliable chronological indicators, a significant problem in Chickasaw archaeology owing to the stark similarity and continuity of ceramic design features. In this analysis a multivariate statistical approach is employed to search for reliable indicators. Further, micro-stylistic variation between vessels from individual features are used to determine if the number and experience levels of potters contributing to each assemblage can be ascertained.

Moore, Christopher (SRARP/SCIAA, moorecr@mailbox.sc.edu) and Tommy Charles (Research Associate)


Recently, a reanalysis of data from the South Carolina Collector Survey was initiated in an effort to produce a comprehensive GIS database of hafted biface and lithic raw material types across the entire state. Although earlier studies have utilized these data, this is the first time that hafted biface types (~90,000 artifacts) have been compiled and illustrated geospatially within GIS for Paleoindian through Mississippian time periods. Research applications for this database include evaluation of diachronic and geospatial changes in mobility patterns, macroband territories, settlement organization, and raw material use by hunter-gatherers in South Carolina.

Moore, David G. (Warren Wilson College, dmoore@warren-wilson.edu, Christopher B. Rodning (Tulane University), and Robin A. Beck (University of Michigan)

[Documenting Early European] Sixteenth Century Spanish Artifact Assemblage Patterns as seen from Western North Carolina: an Archaeological Model Inspired by Marvin T. Smith

Marvin Smith has greatly advanced knowledge about Native American interactions with Spanish entradas in the sixteenth-century Southeastern United States. The routes proposed by Smith and colleagues for those entradas led to archaeological investigation in the western North Carolina Piedmont and the identification of the Berry site as the location of the Native American town of Joara and the Spanish colonial outpost of Cuenca and Fort San Juan. Following the approach that Smith developed for studying European artifact assemblages, this paper outlines an archaeological model of Spanish artifact assemblages from the era and region of the Juan Pardo expeditions.

Moore, Michael (Tennessee Division of Archaeology, mike.c.moore@tn.gov)

[Miss Arch of the Middle Cumberland] Archaeology in the Little Harpeth River Drainage: A Reanalysis of the Inglehame Farm Site (40WM342), Williamson County, Tennessee

Subdivision construction in 2003 within the Little Harpeth River headwaters of northern Williamson County uncovered several Mississippian stone-box graves. Subsequent consultant investigation exposed a Mississippian period village suggested to date between the early 14th and mid-15th centuries.

Inglehame Farm (40WM342) represents another example of an upland Mississippian habitation in the Middle Cumberland River valley. Interestingly the Little Harpeth River drainage has several substantial Mississippian settlements including the Fewkes Mounds, Brentwood Library, and Arnold sites. This paper presents a complete reanalysis of the Inglehame Farm artifact assemblage, as well as a preliminary review of the Little Harpeth River settlement pattern.

Morgan, David (National Park Service), Meredith Hardy (National Park Service), Jessica Keller (National Park Service), Jeneva Wright (National Park Service), Dave Conlin (National Park Service), Jake Harding (Iziko Museum of South Africa), Steve Lubkemann (George Washington University), and Paul Gardullo (Smithsonian Institution)

[General] The Slave Wrecks Project: Bringing Slavery
As part of the Slave Wrecks Project the National Park Service in 2015 and 2016 surveyed 8 square miles of submerged lands surrounding Buck Island Reef National Monument, USVI. NPS discovered 293 anomalies and investigated 66, 42 of which are possibly shipwreck related. It remains uncertain if any represent slave ships that sank off the island in 1797 and 1803. Simultaneously, a public, intern-focused terrestrial program began that excavated in the vicinity of the 1750s Danish West India and Guinea Company Warehouse complex, identifying residences of enslaved Africans who lived and worked in the Danish governmental complex at Fort Christiansvaern.

Morris, Hannah (University of Georgia, hanboo28@gmail.com), Sidney Reynolds (University of Georgia), and Laurie Reitsema (University of Georgia)

[General] Paleoclimate Reconstruction and Carbon Isotope Analysis of Archaeological Hickory Nutshells

Stable isotope analysis of paleoebotanical remains can provide information about paleodiet and paleoclimate. However, processes that preserve plant material, such as charring, may alter isotopic ratios. We experimentally assess effects of charring temperature on stable carbon isotope ratios ($\delta^{13}C$) of hickory nutshells, common at some archaeological sites and easily identifiable. Neither charring temperature, nor acid treatment routinely performed to prepare botanical materials for isotopic analysis, significantly alter hickory nutshell $\delta^{13}C$ values. These results suggest archaeological hickory nutshell retain biogenic isotope ratios. Additional research comparing modern nutshell $\delta^{13}C$ to 2013-2016 precipitation/temperature records will further test their utility as a “paleothermometer.”

Morris, Scott (New South Associates, smorris@student.gsu.edu)


The daily life and possessions of African-American slaves are largely undocumented in the historic record. Museum workers and public historians wishing to interpret these sites are limited in their abilities by these shortcomings. Combined with oral histories, contemporaneous illustrations or photographs, and other historic materials, interpreters can utilize evidence gathered from archaeological investigations to aid in the design of more accurate representations of slave cabin interiors. Excavations at Tabby Number Two, North End Plantation, an extant 19th Century slave dwelling on Ossabaw Island, Georgia, are used to support this assertion.

Morse, Leah (University of Arkansas, lcmorse@uark.edu) and Jay D. Franklin (East Tennessee State University)

[Gen] A Preliminary Analysis of the 15th-Century Ceramic Assemblage from the Cane Notch Site

Cane Notch is a multi-component site on the Nolichucky River in Upper East Tennessee. I present a preliminary analysis of its 15th-century, prehistoric ceramic assemblage obtained during winter 2015-2016. The collection is of excavated and controlled surface collections. Using standard trait analysis and typological classifications of the ceramic assemblage, I evaluate the rims to determine style and vessel form, and discuss the future direction of my research.

Moss, Richard (Edwards-Pittman Environmental, Inc., rmoss42@gmail.com)

[Of Roads] Intensive Survey in McLemore Cove, Georgia Explores Late Archaic-Early Woodland Settlement Patterns and Informs GDOT Resource Management Plans

Phase I survey of 372 acres in a remote mountain valley in northwest Georgia was initiated by the Georgia Department of Transportation under its State Agency Historic Property Stewardship Program. Systematic shovel testing and metal detecting identified 19 sites, with 16 precontact and 7 historic components. The precontact diagnostic artifacts date almost exclusively to the Late Archaic or Early Woodland periods. Artifact distribution data was used to examine inter-site variations in settlement duration and intensity, which resulted in an improved understanding of the local settlement pattern that helped inform evaluations of site data potential and significance.
**Mueller, Natalie** (Washington University in St. Louis, ngmueller@gmail.com)

**[Growing Lost Crops] Understanding crop plasticity through experimental cultivation**

Domestication trajectories and syndromes are each unique, shaped as they are by the pre-cultivation evolutionary history of each domesticate, including their capacity for developmental plasticity. I report the results of two years of experimental cultivation of erect knotweed (Polygonum erectum) Erect knotweed’s capacity for immediate plasticity was likely one factor that made it attractive to ancient farmers: cultivation results in large increases in yield. Meanwhile, adaptive transgenerational plasticity may have slowed the domestication process. Experimental cultivation is an invaluable tool for linking the morphologies of ancient seeds to specific agricultural practices.

**Mullins, Cailey** (University of North Carolina at Chapel Hill, cdmullin@live.unc.edu)

**[General] Mann and the Hopewell Interaction Sphere: A Gateway Between East and West**

From ca. 1-500C.E., an intricate network of closely related cultural expressions known as the Hopewell phenomenon stretched across the eastern half of North America, collecting and exchanging a number of exotic goods. This paper will take an in-depth look at the Hopewell Interaction Sphere and its mechanisms in association with the socio-religious implications of these exotic materials and their distribution, particularly in the realm of obsidian exchange. Specifically, it will explore the Mann Site’s (12Po2) role in the Hopewellian obsidian exchange network, understanding Mann as a “gateway center” between Eastern and Western spheres of Hopewellian interaction.

**Murray, Bridget** (Bryn Mawr College, bmurray02@brynmawr.edu)

**[General] A GIS Analysis of Mississippian Habitation in the American Bottom, USA**

Several decades of CRM in the American Bottom (Illinois) has produced hundreds of unpublished reports. Taking advantage of this valuable resource, a GIS database comprising coordinates and supplemental information on sites dated to the Late Woodland through Mississippian periods is being developed. This poster presents data from the Illinois Cultural Resource Management Archives, recording settlement period, areal extent, and classification based on features, and incorporates ceramic phase and site-use when available. The resulting GIS, displayed in this poster, may be used to examine sites according to spatial parameters, relating them to one another and to their natural landscapes.

**Murray, Emily Jane** (Florida Public Archaeology Network, emurray@flagler.edu)

**[Gen Sess.] Community Engagement through St. Augustine Archaeology Pub Crawls**

City Archaeologist Carl Halbirt once said you can tell the history of St. Augustine by the pub you’re sitting in. The Florida Public Archaeology Network’s Northeast Region took that as a challenge and has since organized five archaeology-themed pub crawls. The events have brought together professional and avocational archaeologists, community members, local business owners and tourists to foster appreciation for the city’s archaeological resources and municipal program. While highlighting a total of twenty sites spanning thousands of years, the programs have given participants the opportunity to engage with archaeologists and site data in informal yet meaningful settings.

**Mustonen, Heather** (Georgia Department of Transportation, hmustonen@dot.ga.gov)

**[Roads and Ruins] The New Echota Traditional Cultural Place: Section 106 Consultation and the SR 225 Bridge Replacement Project, Gordon County, Georgia**

Since 2002, the Federal Highway Administration and Georgia Department of Transportation have conducted work within the New Echota Traditional Cultural Place (TCP) in advance of bridge replacements along State Route 225 in Calhoun, Georgia. Close coordination with the Eastern Band of Cherokee Indians, Cherokee Nation, United Keetoowah Band of Cherokee Indians, and state and federal agencies was integral to the project’s success. This paper will discuss the consultation process from design to mitigation including data recovery, nomination of the TCP to the NRHP, and development of an American Indian Guidebook highlighting tribal culture and associations with an-
Napora, Katharine G. (University of Georgia, knapora@uga.edu)

[Archaeology in Action] Dendrochronology in the U.S. Southeast and New Research Trajectories

Dendrochronology, the study of tree rings, is a valuable tool for paleoenvironmental research, yet it has been underemployed in the archaeology of the Southeast. This paper reviews existing Southeastern dendrochronological analyses and discusses new research trajectories being undertaken along the Georgia coast using remnant baldcypress (Taxodium distichum) stumps. This ongoing research seeks to use proxy tree-ring data to analyze long-term differences in climate and environment at the mouths of several river systems on the Georgia coast and to extend the existing baldcypress chronology back to the time of the Archaic-Woodland transition to reconstruct environmental conditions during this pivotal cultural shift.

Nelson, Erin (University of North Carolina, elstein@live.unc.edu)

[Gen] Defining a Middle Mississippian Component in the Northern Yazoo Basin

Archaeologists have grouped as many as 15 Mississippian period sites near Coahoma County, Mississippi into the Parchman Phase. Are these sites contemporary, or do they only appear so because our ability to date them is unrefined? To address this question, I use correspondence analysis to examine the co-occurrence of ceramic types, attributes, and vessel forms from stratified deposits at Parchman Place (22CO511). I identify two distinct ceramic sub-phases, including a previously undefined middle Mississippian component. These chronological refinements allow us to determine how Mississippian communities in the region interacted with one another and how pre-historic people moved across the landscape.

Nelson, Ted Clay (University of Alabama, tcnelson@crimson.ua.edu)

[General] Soil Resistivity of the Hightower Village Site (1Ta150), Sylacauga, Alabama

The Hightower Village site (1TA150) is a Kymulga phase occupation that dates to AD 1500-1650. Before excavating, researchers utilized multiple remote sensing methods. In 1983, examination of false color infrared air photography identified a possible ditch or palisade surrounding the site. In 1984, the University of Alabama Office of Archaeological Research completed a soil resistivity survey over the site, covering 5,420 square meters. I revisit the remote sensing data of the Hightower Village site in order to reexamine the identified features and the potential for further interpretation of the resistivity survey.

Neusius, Sarah (Indiana University of Pennsylvania, sawn@iup.edu), Bonnie Styles (Illinois State Museum), and Beverley Smith (University of Michigan-Flint)

[General] Preservation and Accessibility of Archaic Period Faunal Datasets

The Eastern Archaic Faunal Working Group has uploaded faunal datasets from twenty archaeological projects and twenty-one sites into tDAR, creating an unparalleled collection of faunal data about the Archaic period in the interior Eastern Woodlands. In order to make this collection more accessible we have paid particular attention to issues of variable structure and provided extensive metadata as well. Datasets in this collection have been linked to existing tDAR ontologies for faunal materials and we have created additional ontologies relevant only to this collection. Once our project is complete other researchers will have full access to this important collection.

Nolen, Stephanie (University of West Georgia, snolen1@my.westga.edu), James Bomba (University of West Georgia), Wesley Snyder (University of West Georgia), Megan Teague-Tucker (University of West Georgia)

[Gen poster] Possible Effects of Traumatic Injury on Childbirth: A Case Study from Sea Island, Georgia

A multi-interment Irene burial on Sea Island, Georgia is examined to determine the extent that maternal trauma may have had on the act of childbirth. This burial includes the remains of both an adult female and a perinatal infant. The adult skeleton exhibited several traumatic injuries, particularly in the left femur, os coxa, and spinal column. This poster will examine possible causes of the traumatic pattern on the
adult female and attempt to determine if these injuries impacted her ability to complete the birthing process.

Norman, Sean P. (Gulf Archaeology Research Institute, spn@gulfarchaeology.org) and Jon Endonino (Eastern Kentucky University)

[Gen Sess] Subsurface Mapping of the Tomoka Complex (8VO81)

Located in northeastern Florida, the Tomoka Mound Complex contains six mortuary mounds, four sand and shell mounds, and multiple sheet middens and shell ridges dating primarily to the late Mount Taylor Thornhill Lake phase. Underlying this site are Quaternary dunes. Previously, the Tomoka Archaeology Project focused on the chronology of mound construction. Most recently, site-wide hand coring revealed the extent of anthropogenic deposits atop the dune sands. These data yielded the most extensive cultural and natural map of this understudied site and permits an assessment of the organization of space, depositional practices, and serves as a springboard for future excavations.

Nowak, Jesse (Texas State Univeristy-San Marcos, jcn33@txstate.edu) and F. Kent Reilly III (Texas State University-San Marcos)

[Exploring the Edges of the Caddo...] Visions of a Wrapped World: Caddo Contributions to Mississippian Bundling Iconography

Bundles and the act of wrapping is a reoccurring theme implicit in the art and ideology of many Southeastern people. This paper will explore the practice of bundling by the prehistoric Caddo in relation to contemporary cultures in eastern North America. Ritual encapsulation was a pan regional practice utilized by many Mississippian people and the participation of the Caddo in similar practices suggests cultural interaction. Though similar, the manner in which the concept of bundling was employed by the Caddo was, like the Caddo themselves, distinct from neighboring cultures.

O'Donoughue, Jason (Florida Bureau of Archaeological Research, jason.odonoughue@dos.myflorida.com)

[Shamans] On the Ritual Significance of Florida’s Artesian Springs

Ethnographic accounts and oral histories illustrate the myriad ways that “natural” places are entwined in Native American cosmologies and religious practices. This paper explores the ritual significance of artesian springs in Florida through an analysis of objects emplaced in the water of springs and their caverns. In many cases, these artifacts constitute votive offerings that illustrate the sanctity of springs, illuminate the nature of spring-side rituals, and indicate the place of springs in past worldviews. In short, springs and their terrestrial surroundings encapsulated the conceptual universe of ancient Floridians, with springs themselves acting as conduits between different planes of existence.

O'Sullivan, Rebecca (Florida Public Archaeology Network, rosulliv@usf.edu)

[Outside the Grid] Re-Placing Fort Brooke: Chalk Lines and Guerilla PubArch in Downtown Tampa

Like many other urban areas throughout Florida that are facing redevelopment, archaeology in Tampa’s downtown continues to reveal important insights into the historical beginnings of the community. In light of this, Florida Public Archaeology Network staff have been working to raise awareness about Fort Brooke, a Seminole War era fort. By transferring the information gleaned about the fort from georeferenced maps to the downtown landscape using sidewalk chalk as part of a public archaeology day we hope to “re-place” Fort Brooke in the minds of the area’s residents, community leaders, and elected officials.

Ogden, Quinn-Monique (S&ME Inc., quinnogden@yahoo.com)

[General] The Clinker of Cainhoy: The Excavation and Analysis of Household Forge at Oak Bluff, Berkeley County, South Carolina

S&ME initiated and completed the fieldwork at 38BK267/1785 in Berkeley County, South Carolina. This site is composed of multiple occupations ranging from the Woodland period to the early twentieth century. During the excavation, we identified the remains of a late nineteenth/early twentieth small scale forge. This forge was surrounded by iron frag-
ments, slag, coal, as well as household and personal items. The spatial layout of these artifacts will show the domestic use of this forge. This study will add to our understanding of domestic small scale blacksmithing of the late nineteenth/ twentieth century in South Carolina.

Padula, Katherine (University of South Florida, kate.padula@gmail.com)

[Gen] Re-Placing the Plantation Landscape at Yulee’s Margarita Plantation, Homosassa, Florida

Yulee Sugar Mill Ruins Historic State Park (CI124B) contains the remnants of a 19th century sugar mill, associated with Margarita plantation located in Homosassa, Florida. At present, documentation of the plantation boundaries is limited and location of various associated buildings, including slave quarters, are unknown. To address this issue, a reconnaissance survey is underway in the vicinity of the mill to identify associated plantation structures and boundaries. Preliminary results indicate that remains of the plantation are not in the immediate vicinity of the sugar mill, warranting further survey.

Palmer, David (Coastal Carolina University, dpalmer1@coastal.edu)

[Gen Sess] 2016 Results: Coastal Carolina University-Brookgreen Gardens’ Archaeological Investigation of the Brookgreen Plantation, South Carolina

Brookgreen Plantation was one of the largest rice plantations in the United States prior to the Civil War. Its remains are now part of Brookgreen Gardens, established in 1931 by Anna Hyatt Huntington. Brookgreen Gardens is expanding its public interpretation of the historic plantations on its property, including the lives of the enslaved. Reviving the partnership between CCU and Brookgreen Gardens, we investigated part of the Brookgreen Plantation during a May 2016 field school. In this paper, we share the results of this investigation, which included GPR survey and pXRF analysis of local clays and recovered brick and colonoware pottery.

Parish, Ryan (University of Memphis, rmparish@memphis.edu) and Michael Jeu

[General] A Chert Type Database for the Southeast

The identification and source of tool stone deposits utilized by prehistoric peoples is an important component of any lithic analysis. A type collection and more importantly, an idea of regional availability and variability are necessary when assigning lithic cultural materials to probable source. The establishment of a comprehensive chert type database for the Southeast is currently being assembled with the express purpose of informing researchers regarding geologic provenance, geographic availability, and cultural distribution. The present database consisting of 4,800 samples representative of 18 formational types is discussed as a long term research project.

Parker, Katie (Archaeobotanist consultant, kathrynellenparker@gmail.com)

[Williams Springs site] Settled Middle Woodland Farmers on Indian Creek

The Williams Spring site produced botanical assemblages from Middle Archaic through Middle Woodland components, demonstrating changes in human/plant interactions through time at a single locale. I focus here on production/use of plant resources by a resident Middle Woodland group. Botanical remains identified are broadly consistent with those from other regional Middle Woodland components, while also suggesting economic adaptations specific to the local ecosystem and/or to a particular human population. Eastern Complex crop plants heavily dominated seeds (95%), led by maygrass. Less expected were unusually high frequencies of giant ragweed and little barley seeds. Maize was not recovered.

Parsons, Alexandra L. (National Park Service, alexandra_parsons@nps.gov), Oscar A. Rothcock III (National Park Service), and Margo Schwadron (National Park Service)

[Ancient Water Worlds] Island Waterscapes of the Tequesta People of South Florida

This paper considers the island waterscapes of the Tequesta people of South Florida with a focus on two coastal sites in Biscayne National Seashore: Totten Key and Sands Key. These small-island middens and shell works sites lay approximately 3.5 and 9.5 miles offshore, respectively. Both sites contain a wealth of ceramics, subsistence remains, and worked shell and bone objects. These island sites, while appearing iso-
lated in modern day, were situated along aquatic highways that connected people and places. Although they occupied offshore islands, archaeological evidence indicates that these people interacted with the mainland and did not live an insular existence.

**Parsons, Timothy** (Florida Division of Historical Resources, timothy.parsons@gmail.com)

[**Solving Problems**] *Regulatory Archaeology: The Baby and the Bathwater*

Regulatory archaeology results in more fieldwork than research archaeology in the United States. Yet advances in theory and method are infrequently represented in the reporting required by compliance laws. While this is a reflection of the nature of reporting requirements, archaeologists throw the baby out with the bathwater by not having productive discussion on how to locate, investigate, and report on sites. Traditional approaches to regulatory archaeology fall short because our current framework for significance depends on a narrow definition of sites and how they relate to each other. We must rethink “significance,” and regulations guiding how we structure projects.

**Partridge, Colin** (Brockington and Associates, partridge_colin@yahoo.com) and **James Page** (Brockington and Associates)

[**Gen Sess**] *Analysis of an Unknown Component at 38CH2048, Johns Island, Charleston County, South Carolina*

This paper focuses on an unknown component identified at 38CH2048, an eighteenth to nineteenth century plantation site on Johns Island, Charleston County, South Carolina. To determine whether this part of 38CH2048 is associated with a Postbellum homestead or with Civil War troop movements on Johns Island, we performed functional and qualitative analyses of the recovered artifacts and compared them against known contexts. Our presentation will include the results of these analyses, as well as a discussion of the methods and best practices researchers can utilize in examining future Civil War sites and other conflict-oriented components.

**Patch, Shawn** (New South Associates, spatch@newsouthassoc.com)

[**Of Roads and Ruins**] *Just Scratching the Surface: Geophysical Survey at the Georgia Department of Transportation*

The Georgia Department of Transportation (GDOT) has been a nationwide leader in applying geophysical methods to archaeological research problems in transportation for the past 13 years. With both in-house expertise and consultant support, the department routinely deploys geophysics on a range of site types. This paper provides a brief overview of the program and explores a few case studies that demonstrate how geophysical methods have helped advance Georgia archaeology.

**Patchen, Anna** (University of Tennessee - Knoxville, apatchel@vols.utk.edu) and **Stephen Carmody** (The University of the South)

[**Gen Poster**] *Archaic Plant Use in Western Tennessee: Preliminary Data from the PEARL Project*

Located along the South Fork of the Forked Deer River in West Tennessee, the Johnston site is a multicomponent, mound site with occupations spanning the Middle Archaic through the Woodland period. Off-mound pit features excavated in the summer of 2014 and 2015 produced large amounts of carbonized plant remains. Here we present the preliminary analysis of those plant remains from several of the Middle and Late Archaic features. We then compare the data to other sites in the Midsouth with similar occupational histories to determine similarities and differences in plant use for the Archaic peoples in the region.

**Patton, Paul** (Ohio University, pattonp@ohio.edu) and **Daniel Williams** (Ohio University)

[**Growing Lost Crops**] *Chenopodium berlandieri: A Potential Appalachian Food?*

Recent analysis of archaeobotanical assemblages from throughout the Appalachian region of southern Ohio indicates that pitseed goosefoot (C. berlandieri) was an important component of the regional crop complex by the Late Archaic period. This paper reports on these archaeobotanical assemblages and the results of controlled experiments quantifying the potential of goosefoot to serve as a modern food source. Attention is given to germination rates of numerous
Chenopodium species. The results provide insight into prehistoric management and information that can assist in the cultivation of goosefoot for modern consumption. Additionally, the paper reports on practices for harvesting and preparing goosefoot.

**Pauketat, Timothy** (University of Illinois, pauketat@illinois.edu) and Susan Alt (Indiana University)

[Shamans] *Rethinking Sweatlodges and Circular Monuments as Water Shrines*

Early Mississippian-period circular buildings and flat-topped platforms were considerably more than sweat lodges, council houses, woodhenges, and mounds. An incomplete architectural and monumental history beginning at about AD 900 argues that these constructions were components of medicine societies or sodalities across a series of regions, from greater Cahokia south to least at Shiloh. Their dating and positions within greater Cahokia support inferences that some were shrines associated with water, the moon, and feminine powers. Their historical roots are wider and deeper, but their 11th-13th century mode of transmission is what matters for understanding that which constituted Mississippianism.

**Peacock, Evan** (Mississippi State University, peacock@anthro.msstate.edu), Joseph Mitchell (Massachusetts Institute of Technology, and C. Andrew Buchner (Panamerican Consultants, Inc.)

[General] *Freshwater Mussel Shell Biogeography at a Woodland-Period Site on the Yazoo River, Mississippi*

The Golson site (22HU508) is a Late Woodland period (AD 300 – 600) site on the Yazoo River in Humphreys County, Mississippi. USACE-sponsored excavations produced pottery, animal bone, lithics, and other artifacts. Mussel shells were recovered from depositional strata, features, and displaced levee fill. A total of 4,153 freshwater mussel valves were analyzed despite the relatively small sample size and spatially limited contexts, the assemblage produced eleven new taxonomic records for the river. This result is typical of the biogeographical return from analysis of archaeological freshwater mussel assemblages, highlighting the importance of shell-bearing sites from an applied zooarchaeological perspective.

**Pentz, Hannah** (University of Memphis, hrpentz@memphis.edu)

[Gen] *A Comparison of Infant and Juvenile Burials at Carson Mounds*

This project will examine the osteological remains along with the non-osteological material goods of the infant and juvenile burials at Carson Mounds in Clarksdale, MS. This is a means of ascertaining if age played a role in the placement of remains and grave goods. The beginning of this project is "Burial #77" which is an infant buried in a feature that is designated as a post hole and midden. Additionally, this project will conduct paleopathological analysis on the remains to develop a possible cause and manner of death to understand if there are any cross-site similarities.

**Perash, Rachel** (Seminole Tribe of Florida, rachelperash@semtribe.com) and Eric Griffis (Seminole Tribe of Florida)

[Ancient Water Worlds] *Contextualizing artifact preservation in wetland sites through oral histories on the Big Cypress Reservation, Florida*

Seasonal water worlds make wetland sites a frequent occurrence within the Seminole Tribe of Florida’s reservation lands. Eleven sites on the Big Cypress Reservation were analyzed via collected faunal remains; this data was then contextualized with oral histories from Seminole tribal members. Results show archaeological sites submerged year-round contain a greater variety of artifacts than seasonally dry sites. Oral histories reveal this is due to preservation rather than specialized site areas. By working with Native Americans, archaeologists can gain a better insight and understanding of the scientific data collected in the field.

**Peres, Tanya** (Florida State University, drtnperes@gmail.com) and Aaron Deter-Wolf (Tennessee Division of Archaeology)

[A Ritual Gathering] *Deciphering Archaic Bundles in the Archaeological Record of the Southeastern US*

Bundles, whether personal or corporate, were a real and important component of the lived experience of Indigenous peoples of the Southeastern US. The ob-
jects encapsulated in various bundles held information related to the use and care-taking of the bundle and the importance of ritual to group identity. In some cases bundles became part of the archaeological record through interment with humans, dogs, or as stand-alone burials. In this paper we highlight the antiquity of the bundling concept by outlining material markers of bundles from the Archaic period, and extrapolate on their functions using examples from the greater southeast.

Perrotti, Angelina (Texas A&M University, ange-la.perrotti@tamu.edu)

[Current Studies...Paleoindian] Late Quaternary Paleoenvironmental Change at the Page-Ladson Site (8JE591), Florida: A Palynological Perspective

Two sediment cores from Page-Ladson have been analyzed for pollen and the dung fungus, Sporormiella. Sporormiella evidence suggests that megaherbivores disappeared from the area around 12,600 BP. Pollen analysis at Page-Ladson suggests that this disappearance was accompanied by a transition from a mesophytic hardwood forest to a drier, more open environment such as a disturbed oak woodland or savannah by 12,000 BP. The environmental changes at the site during the late Pleistocene and early Holocene are likely result of a combination of factors including climatic change, human influence and the disappearance of megaherbivores.

Pirtle, Jenna (New South Associates, jpirtle@newsouthassoc.com) and Delana Gilmore (Gwinnett Archaeological Research Society)

[Arch in Action] Fort Daniel: A Past, Present, and Future of Public Archaeology

At Fort Daniel archaeological site, a c.1813 frontier fort in Gwinnett County, Georgia, a local foundation teams up with SGA to transform a site into an opportunity to teach the public about early Georgia history and archaeology. Currently, public events are a few archaeological digs and lab days each year. But future plans involve creating a comprehensive archaeological learning experience that benefits from professional relationships and educational materials for programs targeting various audiences and teaching important preservation concepts. This is just the beginning of a conversation to turn an archaeological site into a state park and educational facility.

Pluckhahn, Thomas (University of South Florida, tpluckhahn@usf.edu) and Neill Wallis (University of Florida)

[Marksist] Introduction to a Marksist Archaeology; Swift Creek at a Human Scale

Through his friendship, humor, and passion for archaeology, Mark Williams inspired many of us to careers in the field. Pluckhahn briefly introduces this session in Mark’s honor, on the occasion of his retirement from the University of Georgia. Then we consider Mark’s legacy of thinking from archaeological data to everyday lives through an examination of Swift Creek pottery “at a human scale.” Drawing inferences from our work on Swift Creek pottery in southern Georgia and Florida, we argue that manufacture of paddles was an infrequent occurrence, probably conducted by specialists and intended to commemorate major life events.

Pollack, David (Kentucky Archaeological Survey, david.pollack) and Gwynn Henderson (Kentucky Archaeological Survey)

[Gen Sess] The Evolution of the Fort Ancient House

From A.D. 1350 to 1450 at the Fox Farm site in north-central Kentucky, Fort Ancient house shape/size increased dramatically—from square (25 square meters) to rectangular (110 square meters). House wall construction techniques, using single-set posts placed along the circumference of a house basin, remained consistent. As structure length increased, however, interior roof support posts were required. This increase in house size is interpreted as reflecting a change in domestic residence patterns: from single family to multiple/extended family habitation. This change coincides with the beginning of the A.D. 1375-1425 Fort Ancient (Madisonville) Transformation.

Pope, Natalie A. (New South Associates, nadams pope@newsouthassoc.com, Tracy A. Martin (New South Associates), and William G. Green (Terracon)

[Archaeology along the Lower Cape Fear River... Wilmington, NC.] Blacksmithing for Fun and Profit: Archaeological Investigations at 31NH755

Archaeological investigations at an early 19th century historic site along the banks of the Lower Cape Fear River near Wilmington, North Carolina, uncovered evidence of a small blacksmith shop and adjacent domestic occupation. Archaeological features included
the footprint of the burned blacksmith shop, approximately 15 by 15 feet in size, along with a dense scatter of charcoal, slag, and scrap iron. Adjacent to this building were structural posts and artifacts that appear to be related to a domestic occupation. This paper describes the site and its possible role at the plantation and in the local market economy.

Powis, Terry (Kennesaw State University, tpowis@kennesaw.edu), Leslie Branch-Raymer (Paleobot Consulting), Amber Avery (Kennesaw State University), and Mary Theresa Bonhage-Freund (Intermet Associates)

[Gen] Evidence of Mississippian Period Premaize Gardening in Georgia: A View from the Dabbs Site

Primarily a Mississippian Period site, Dabbs is located at the confluence of the Etowah River and Pettit Creek in Bartow County, just three kilometers downstream from Etowah. Despite four years of intensive excavation, no firm evidence of domiciles has been uncovered at the Dabbs site, but large bell shaped pits and deep cylindrical pits have been recovered. Flotation samples from selected features document premaize garden crops in the local subsistence strategy. These data are discussed and compared to premaize cultigens identified at other Mississippian archaeobotanical assemblages in the Etowah River Valley and elsewhere across north Georgia.

Price, Sarah (Wiregrass Archaeological Consulting, seprice7@yahoo.com) and Ashley A. Dumas (University of West Alabama)

[Gen poster] Fish Bones as Toolkits for Decorating Pottery

Analysis of a large Late Woodland Weeden Island ceramic assemblage from a site in Orange Beach, Alabama, revealed the regular use of fish vertebrae and vertebral spines as tools for creating punctations on pottery. Replication experiments using fish bones from the site confirm this observation. We propose that fish skeletons were an abundant and ready-made tool kit for potters and that archaeologists with pottery from coastal and inland sites might reevaluate their assumptions about the tool choices available to prehistoric potters.

Purcell, Gabrielle (University of North Carolina at Chapel Hill, gpurcell@live.unc.edu) and C. Margaret Scarry (University of North Carolina at Chapel Hill)

[New Research into Guale Life...] Archaeobotanical Analysis of the Fallen Tree Cemetery

We present the archaeobotanical results of samples taken from Fallen Tree cemetery. The fills, as well as the clay or shell caps covering each grave, were examined from 27 burials and 2 ossuaries. Our results show that people routinely ate corn, although the degree to which they depended on corn agriculture is unclear. Guale people also gathered nuts and fruits, as well as various other plants possibly associated with medicinal use. We will discuss the presence and distribution of these plants in an effort to understand more about the lives of pre-mission Guale people on St Catherine’s Island.

Pyszka, Kimberly (Auburn University at Montgomery, kpsychka@aub.edu) and Amanda Tucker (Auburn University at Montgomery)

[General] Digging Our Own History: Archaeological Research into AUM’s Tenant Farming Past

Prior to its founding in 1967, Auburn University at Montgomery’s campus lands were agricultural fields primarily cultivated by tenant farmers. Two former 20th century tenant sites have been identified on campus. In the Spring 2016 semester, AUM students conducted excavations at these two sites, while additional research aided in locating historical documents and maps associated with the property. Through a combination of archaeology, archival research, and GIS, we now have a better understanding of our campus’s tenant farming past, its historical landscape, and the people who lived and worked on its lands.

Quitmyer, Irvy R. (Florida Museum of Natural History, University of Florida, quitmyer@flmnh.ufl.edu) and Carol E. Colaninno (Southern Illinois University)

[Gen] Small Tails: The Zooarchaeological Record of 5000 years of Shrimping along the Georgia Bight.

The presence of skeletal remains in zooarchaeological
assemblages are fundamentally determined by complex taphonomic processes that occur before and after deposition and sampling methods that give each anatomical element, or parts thereof, an equal chance of recovery. Various taxa may avoid detection when inadequate screen gauges are used and/or in the presence of poor preservation conditions. Based on these precepts we show that within the Georgia Bight mandibles of Decapod shrimp (Family: Penaeidae) occur in the zooarchaeological record for nearly 5000 years, suggesting a longstanding pre-Hispanic tradition of shrimp harvest and consumption that has, until recently, remained unexplored.

Randall, Asa (University of Oklahoma, ar@ou.edu) and Nicole Cerimele (University of Oklahoma)

[A Ritual Gath] Hero Twins and Archaic Mortuary Traditions in Northeast Florida

One of Cheryl Claassen’s many innovations is to problematize Shell Mound Archaic mortuary ritual traditions. Notably, she has argued that the placement, content, and arrangement of burials has more to do with the ritual goals of interment attendees than the status of the interred. Taking her suggestion as a starting point, we explore coeval Archaic mortuary traditions in northeast Florida. Of particular interest to us is a pervasive pattern of pairing, either in the form of mortuary mounds or deposits within mortuary contexts. We suggest that these may register hero twins mythology, often associated with mourning, transformation, emergence, and renewal.

Rafferty, Janet (Mississippi State University, raffer-ty@anthro.msstate.edu) and Virginie Renson (Missouri University Research Reactor)

[General] Lead isotope-based sourcing of galena from a Middle Woodland habitation site in northeast Mississippi

The Cork site (22OK746) produced 3 small pieces of galena in ca. 200 m2 of excavation. The site was inhabited from ca. 200 B.C.-A.D. 300. Galena has been found rarely in non-mound Middle Woodland occupations in the Southeast. Lead isotope ratios, for which an extensive dataset was compiled for eastern North America using existing geological studies, show that the source of all 3 pieces is the central Missouri/Tri-States deposit. Lead isotope analysis is a reliable, underused method for accurate galena sourcing.

Rathgaber, Michelle (University of Arkansas, mmrathga@uark.edu)

[Poster Gen Ses.] Excavation at an Earthquake-Impacted site

Ongoing research at the Manley-Usrey site in NE Arkansas has demonstrated that this site was covered with sand as an effect of a large M7-8 size earthquake in the region. In 2014 the sand dike that fed the sand blow during the earthquake was uncovered along with part of a Mississippian structure. In 2016 additional units were opened at the site to further explore the structure and collect more samples for dating. This poster considers the unique possibilities and limitations presented by excavating this buried site.

Raymer, Leslie Branch (Paleobot Consulting, lraymer.archaeobot@gmail.com) and Mary Theresa Bonhage-Freund (Intermet Associates)

[Archaeology along the Lower Cape Fear River...] Early Archaic to Late Woodland Period Resource Utilization, Local Ecology, and Settlement/Subsistence Patterns: A View from the Paleoethnobotanical Study, Riverlights Development Tract, New Hanover County, North Carolina

Paleoethnobotanical analysis of Early Archaic through Late Woodland components from five sites, Riverlights Development tract, Cape Fear River, New Hanover County, North Carolina focused on carbonized wood, resin, bark, monocot stems, pinecone scales/needles, nutshell, and 408 seeds from 108 flotation samples. The macrofloral assemblage provides insight into types and intensity of settlement/subsistence activities, resource utilization, and local ecology. Prehistoric subsistence focused upon low intensity collection for immediate consumption. Macrofloral remains argue against gardening at the sites and concentrated harvest and processing of plant foods. This pattern spans the entire occupational history of the study sites.

Reamer, Justin M. (University of Pennsylvania, reamerj@sas.upenn.edu), Chandler Burchfield (Tennessee Valley Archaeological Research), and Ben Davis
Consisting of three mounds surrounding an open plaza, the Smith Creek site in Wilkinson County, Mississippi clearly spans the transition from Coles Creek to Plaquemine cultures. Investigations in the summer of 2016 focused on excavating the summit of Mound A and an area between Mounds B and C in the northeast plaza. These excavations revealed interesting structural remains that hint at how mound summit and off-mound areas were utilized during the transition from the Woodland to Mississippi periods in the Lower Mississippi Valley. Comparisons are made to the little bit we know about structural remains at contemporary sites.

Regnier, Amanda (University of Oklahoma, aregnier@ou.edu)

Between A.D. 1050 and 1200, a dozen mound sites were established in the Arkansas drainage of eastern Oklahoma. Early occupation of these sites are identified by the presence of square four-post buildings, Caddo fine ware ceramics, and burials with exotic goods. Five or these sites developed into elaborate mortuary and ritual centers, with Spiro emerging as the largest and most enduring. The other seven sites were abandoned after a couple of generations and faded into obscurity. This paper examines the origins and trajectories of these short-lived ceremonial centers in the Arkansas drainage and compares them with the larger Mississippian world.

Reid, Sarah (Missouri State University, reid23@live.missouristate.edu)

Reilly, Kent (Texas State University, fr04@txstate.edu)

The earliest depictions of Mississippian art and symbolism are in caves and rock shelters. Later, these renderings and their depictions of ritual performers, with their sacra, left such sacred spaces, and migrated to the mediums of shell and copper. The actual rituals themselves could also be rendered in the medium of stone. Undoubtedly Mississippian ritualists believed carving or painting depictions of ritual performance on stone, ensured that the results of ritual performance would be permanent as well as ongoing. Thus, the ritualists achieved the ideological balances that were their goals for both the natural and preternatural realms.

Reitsema, Laurie (University of Georgia, reitsema@uga.edu)

Reitz, Elizabeth (University of Georgia, ereitz@uga.edu) and Maran Little (University of Georgia)
[New Research into Guale Life] Vertebrate Use at Pueblo Santa Catalina de Guale and the Fallen Tree Cemetery

Most differences among vertebrate remains recovered from four sectors of the Native American community associated with the Spanish mission Santa Catalina de Gaule (St. Catherines Island, Georgia) likely reflect social identity, status, acculturation, and time period. Of particular interest in this symposium are the materials from one of these sectors, the Fallen Tree cemetery. Vertebrates associated with 25 burials and 2 ossuaries demonstrate animal use in funerary practices. Two of the burials (B. 41 and B. 45) are of particular interest due to their higher species richness and specimen count compared with the other burials in the cemetery.

Riehm, Grace (University of North Carolina - Chapel Hill, geriehm@live.unc.edu)


This project assesses the chronological utility of the type-variety classification for Pensacola archaeolgical culture ceramics and resultant phases through frequency seriation. Although this study is specific to the Mobile Bay region, it demonstrates the necessity of verifying intuitive ceramic sequences through quantification and seriation. Recently, frequency seriation has declined in popularity, but scant radiocarbon dates only have value if they can be placed in perspective with a precise relative ceramic chronology. Frequency seriation is an important building block for higher statistical methods that can further define phases and refine chronology, including Multidimensional Scaling, Cluster Analysis, and Bayesian methods.

Riggs, Brett (Western Carolina University, bhriggs@wcu.edu)

[Native Log Cabins] “...small log huts, too insignificant to need a description”: Cherokee Domestic Spaces in the North Carolina Mountains, 1820-1860

Archaeological and documentary evidence indicates that Cherokee Indian households in the North Carolina mountains adopted cribbed log building techniques (a European tradition) to create new modes of Cherokee architecture and reformatted domestic spaces during the early 19th century. Detailed, house-by-house documentary records, coupled with archaeological evidence from a sample of attributed hous- eites, provide remarkably specific and comprehensive data on Cherokee housing patterns and household content in 1838. These data serve as a baseline for understanding the adaptive transformations of Cherokee domestic environments within the most conservative Cherokee communities of the era.

Ritchison, Brandon (University of Georgia, b.tritchison@gmail.com)

[Worlds in Flux] Considering the New Neighbors: Immigration and Settlement Response on the Georgia Coast

By AD 1380, Mississippian population centers in the Savannah River Valley had been abandoned. Settlement data indicates significant immigration to the Georgia Coast concurrent with this depopulation. Building on settlement analysis, new Bayesian radiocarbon modeling produces a picture of a rapidly changing social landscape during the 14th century on the Georgia Coast. This changing settlement landscape, along with increasing populations and the expansion of agricultural practices, created a context where, within the span of a single lifetime, individual and household-level decision making accumulated into region-wide structural change. This paper examines this context and explores the lived experience of regional transformation.

Roark, Sierra (University of Tennessee, sroark1@vols.utk.edu), Martin Walker (University of Tennessee)

[General] Paleoethnobotanical Remains from the Topper Site (38AL23)

Recent excavations at the Topper Site (38AL23) conducted by UTK field schools has resulted in the identification, mapping, excavation, and processing of 357 features of possible pits, post-holes, and other traces of past human activity. Fill from each feature was individually excavated and processed via drum flotation. This poster presents a detailed paleoethnobotanical identification and analysis of the contents of a selection of these features which will begin to provide insight in to the potential foodways, structure locations, and daily practices at the site. Which will in
turn, assist in the planning of future research agendas for the project.

Roberts, Timothy (National Park Service, timothy_roberts@nps.gov)


Heavy rains during the spring of 2013 exacerbated erosion of the bed and banks of Butler Mill Creek at Lake Jackson Mounds Archaeological State Park in Leon County, Florida, exposing a number of previously buried timbers associated with the nineteenth-century industrial archeological site, Butler’s Mill (8LE5997). The location, shape, and orientation of the timbers were recorded, a preliminary survey in search of contemporary archeological deposits was conducted, and GIS analyses incorporating a historic plat map, digital elevation data, and GPS data collected in the field were completed. The results provide directions for future research.

Ross-Stallings, Nancy (Amec Foster Wheeler, ross-stallingsnancy@kih.net)


A sizable sample of infant interments have been excavated on the Mississippi Delta and adjacent areas, spanning the Woodland through Historic Contact Periods. As a part of the overall analysis performed for the Mississippi Burial Study, the mortuary practices and intra-site burial locations have been compared both temporally, and on a site-to-site basis. At some sites, the ages at death of the infants appear to have been of importance, perhaps influencing the mortuary treatments, and locations of the interments. Some practices may signal the ages when infants became more strongly recognized members of their social group.

Ruhl, Donna L. (Florida Museum of Natural History, ruhl@flmnh.ufl.edu), George Kamonov (University of Florida), Katherine Bermudez (University of Florida), and Neill J. Wallis (Florida Museum of Natural History)

[Ancient Water Worlds] Isotope Analysis on Selected Dugout Canoes: Is Strontium Sourcing an Aid to Understanding Dwelling and Traveling in Florida’s Ancient Waterscapes?

Ten dated archaeological dugout canoe samples from Newnans Lake in Florida were tested for minor and major elemental analyses along with Strontium isotope analyses and then compared to modern wood and water samples. This pilot study was designed to assess feasibility of sourcing these unique artifacts. If signatures are similar may this be interpreted as local tree selection for the cached dugouts; or, altered by diagenetic processes? If different may the origin(s) of these “canoe trees” be determined? Results may aid ancient watercraft research, minimally, to better understand native people’s views on dwelling, traveling, and terraforming Florida’s ancient waterscapes.

Rupp, Andrea (United States Forest Service, arepp@fs.fed.us), Rhonda Kimbrough (United States Forest Service), and Michael Seibert (National Park Service)

[Gen poster] Fort Gadsden and the struggle for Empire

Fort Gadsden is located in the Apalachicola National Forest along the Apalachicola River in Florida. The fort was built by the British during the War of 1812 on Spanish land, becoming a bastion of freedom for enslaved and refugee peoples. In 2016, Fort Gadsden/Prospect Bluff celebrates the 200th anniversary of its bombardment by American forces and subsequent explosion of the powder magazine that resulted in the death of nearly 300 free blacks and refugee Native Americans. The explosion, heard more than 100 miles away in Pensacola, would have far reaching and long lasting consequences for the fledgling United States of America.

Sain, Douglas (Terracon, dsain@vols.utk.edu)

[Hunter-Gatherer Societies] Evaluating Scales of Paleoindian Biface and Blade Transport on the Coastal Plain of the Lower Southeast U.S.

The distribution of lithic raw material played a significant role in the organization of Late Pleistocene hunter gatherer mobility systems. This paper investigates patterns of artifact transport along the South Carolina Coastal Plain, and evaluates the extent to which artifact dispersal informs about the structure of human behavior. Locational data on fluted points and prismatic blades were used to examine artifact dispersal and use of the Paleoindian landscape. Based on differences in artifact frequencies, fluted points
and blades do not follow a similar pattern of distribution. These findings reveal intriguing patterns of hunter gatherer behavior on the Southeastern Coastal Plain.

Salter, Summer (Auburn University at Montgomery, ssalter1@aum.edu), Kimberly Pyszka (Auburn University at Montgomery), and Maureen Hays (College of Charleston)


Constructed in 1707, the St. Paul’s parsonage complex is an example of an early colonial homestead in South Carolina. In a 1715 letter, the St. Paul’s vestrymen described it as, “a small, but Convenient House of Brick Erected there upon with a small Out Kitchen and some few other necessary Timber Buildings.” Previous excavations have focused on the parsonage itself, specifically its architecture and function in frontier life. Excavations resumed this summer focusing on the surrounding yard and locating the documented outbuildings. This poster presents the latest findings, including the identification of at least two outbuildings.

Sanger, Matthew (Binghamton University, msanger@binghamton.edu)

[The Power of Villages] Communal fidelity to place and the formation of early villages

The study of villages is dominated by investigations into agrarian societies. Rarely are hunter-gatherer villages discussed, leaving the impression that food production is key to village life and that villages largely conform to a single overall definition in which community identity is tied to place and membership to this community is relatively stable over time. This paper provides insights into coastal Late Archaic hunter-gatherer sites that appear to be deposited year-round, yet likely occupied by a shifting social body. To what extent these sites could be called villages can be called into question as they certainly challenge traditional notions.

Sassaman, Kenneth (University of Florida, sassaman@ufl.edu), Asa Randall (University of Oklahoma), Joshua Goodwin (University of Florida), Terry Barbour (University of Florida), Anthony Boucher (University of Florida), and Nicole Cerimele (University of Oklahoma)

[Gen Session...] St. Johns Archaeological Field School 2016: Places Below, Between, and Beyond Silver Glen Run

The St. Johns Archaeological Field School returned to Silver Glen Run to explore places below, between, and beyond locations of prior investigation. Soundings below the mining surface of the U-shaped ridge at the mouth of the run show that shell extends at least 2 m below the water table. Tests in locations between mounded shell deposits to the west expand the inventory of large pit features. Reconnaissance at Kitt’s Isle on Little Juniper Run to the south introduces two new mounds, one mortuary, both with deep subaqueous strata. Results confirm that Silver Glen Run has much yet to teach us.

Sawyer, Johann (University of South Carolina, johannsawyer@gmail.com) and Charles Cobb (Florida Museum of Natural History)


The Averbuch site (40DV60), a Mississippian village in the Middle Cumberland Drainage, Tennessee, was occupied in the fourteenth and fifteenth centuries AD. Recent analyses of the site suggest that during its short lifespan, ca. 200 years, the village underwent considerable organizational changes. This paper analyzes these changes in relation to the artifact and mortuary assemblage at Averbuch, particularly in terms of sex, iconography, and mortuary ritual.

Schlarb, Eric (University of Kentucky, ejsch1@uky.edu) and George M. Crothers (University of Kentucky)

[General] Magnetic Mapping and Systematic Coring of
**a Large Floodplain Earthwork in Woodford County, Kentucky**

Site 15Wd2 is a 16 ac. earthwork located on the South Fork of the Elkhorn River. Historically, the ditches were described as being 16 ft wide and up to 12 ft deep. The earthwork is not visible on the surface today. Using a 5-channel magnetometer system, we were able to map most of the earthwork and place cores across the features to confirm their depths to at least 8.6 ft. The complex contains features as described in historic documents and features not visible in the 1800s. The earthwork is still largely preserved and has considerable future research potential.

**Schnitzer, Laura Kate** (New South Associates, Inc., lschnitzer@newsouthassoc.com)

**[of Roads and Ruins] Wetland Archaeology on the Pierpont Mitigation Tract**

The Ogeechee River Valley is an archaeologically under-studied region, but intensive survey of a GDOT wetland mitigation property is changing this insufficiency. The recently completed Pierpont Tract survey identified sites with intact deposits from multiple precontact occupations, spanning Late Archaic to Middle Mississippian. These resources are situated in seasonally inundated areas traditionally considered too low and swampy for long term habitation. Data from these sites will help fill gaps in our understanding of precontact occupation on the interior coastal plain, change notions of archaeological probability in wetland zones, and initiate a shift in methods used to inventory backswamps and floodplains.

**Schroeder, Sissel** (University of Wisconsin-Madison, sissel.schroeder@wisc.edu), Jake Pfaffenroth (University of Wisconsin-Madison), Marissa Lee (University of Wisconsin-Madison), and Sarah Taylor (University of Wisconsin-Madison)

**[Gen Session...] Threads in 3D: Structure from Motion (SfM) Models of Mississippian Fabric**

Only rarely do fabric and cordage survive the ravages of time in the humid Eastern Woodlands, but impressions of these materials are well preserved in ceramic vessels. As an alternative to traditional methods of investigating fabric impressions that rely on potentially contaminating substances like latex or Sculpey to make casts of the fabric, we have harnessed a version of photogrammetry called Structure for Motion (SfM) to construct 3D images of textile impressed surfaces from Mississippian salt pans. Reverse engineering the image reveals the fabric, including variations in cordage twist and methods of textile production.

**Schwadron, Margo** (NPS-Southeast Archaeological Center, margo_schwadron@nps.gov)


Wetlands and watery landscapes in South Florida persisted for millennia. The discovery of a few sites such as Key Marco and Belle Glade, which yielded rare preserved organics, are viewed as anomalies. However, many related sites are linked, related communities of hunter-fisher-gatherers and reflect taskscapes, the remains of shell midden "shellscape" and ceremonial landscapes, and provide evidence of large-scale human terraforming, engineering and the ritualization of these watery landscapes. These interconnected waterscapes linked people through the vast cosmological wetland through time. Massive ritualized shell works, canals, burial mounds and transformed wetland landscapes reflect this important watery tradition.

**Schweickart, Eric** (University of Tennessee - Knoxville, schweick@colorado.edu) and Meagan Dennison (University of Tennessee - Knoxville)


Turtle remains represent a small but ubiquitous portion of faunal assemblages recovered from both enslaved African-American and free Euro-American households in the antebellum South Carolina and Georgia Lowcountry. Our analysis examines why individuals chose particular turtle species for consumption by comparing archaeological data from 30+ structures with a spatial model of turtle habitats and a cost/benefit model of net caloric value. Drawing upon historical documents, GIS analysis, paleoenvironmental data, and human behavioral ecology methodologies, this study examines the way social and environmental factors effected decision-making processes at both a site and regional scale.
Seibert, Michael (National Park Service, michael_seibert@nps.gov) and Michelle Gray (National Park Service)

[General] Geophysical Prospection in Ninety Six National Historic Site: Rediscovering the town of Cambridge

Within Ninety Six National Historic Site’s present boundary sits the potential remains of the town of Cambridge. Formed from the ashes left behind by the Revolutionary War, Cambridge quickly flourished as a county seat, home to an educational institution and a prosperous location for dozens of businesses. However, the abolition of the town’s judicial court became the catalyst which drove Cambridge from prominence to non-existence. Using ground-penetrating radar in addition to other geophysical techniques, possible evidence of this early American town was uncovered, adding to the rich cultural history of Ninety Six National Historic Site.

Seinfeld, Daniel (Florida Bureau of Archaeological Research, damasei7@gmail.com) and S. Margaret Spivey (Washington University in St. Louis)

[Ancient WW] Monumentality, Art, the Natural Environment, and Cosmology at the Fort Center Mound-Pond Complex (8GL12)

The construction of the Fort Center Mound-Pond Complex (8GL12) and the associated wood carvings reproduced a tiered-world cosmology that was entangled with the environmental realities of the site’s inhabitants. Through monumental construction and producing representational art, the people of Fort Center created a sacred, persistent place on the landscape suitable for interring and memorializing their dead. The types of animals carved at Fort Center show how the natural environment and cosmologies were intertwined in this sacred built landscape. Ethnographic and ethnohistoric analogies highlight the significance of watery places in the monumental architecture and iconography of fisher-hunter-gatherers in south Florida.

Selden, Robert (Stephen F. Austin State University, seldenjrz@sfasu.edu), Christian Hoggard (University of Southampton), Sarah Stark (University of Southampton), and Kersten Bergstrom (Texas A&M University)

[General] Citation Networks as Archaeological Epistemology: A Case Study from Geometric Morphometrics

Through the use of publications and their cited references harvested from Scopus, we generated an interactive directed bipartite citation network in Gephi 0.9.1. The network was filtered to include only those nodes with a degree of two or higher. Network statistics were then calculated for modularity and Eigenvector centrality. The modularity analysis illustrates that five communities exist within the network, based upon common citation practices. Those references in the network with the highest authority were identified using the PageRank algorithm. InDegree and OutDegree were used to identify and illustrate publications and references that are central to each of the communities.

Semon, Anna M. (UNC-Chapel Hill and American Museum of Natural History, amsemon@live.unc.edu), Matthew Napolitano (University of Oregon), Nicholas Triozzi (American Museum of Natural History), Clark S. Larsen (The Ohio State University), Barbara J. Betz ((The Ohio State University), and Kathryn E. Marklein (The Ohio State University)

[New Research into Guale Life…] Mortuary Practices at Fallen Tree: Late Mississippian/Early Historic interments, ceremonial deposits, and landscape use

The Fallen Tree cemetery (9Li8), on St Catherines Island, GA, exhibits a variety of Late Mississippian/Early Historic mortuary practices. Burial types include primary flexed interments, primary flexed cremations, ossuaries, urn burials, bundles, exhumations, and a postcontact box burial. In this paper, we use multiple datasets to explore the diversity of burial types, examine the materialization of ritual processes, and investigate Late Mississippian placemaking. In addition, this paper compares Fallen Tree mortuary patterns with other Late Mississippian sites along the Georgia coast. These data advance our understanding of Late Mississippian mortuary practices and social interactions.

Shanks, Jeffrey (National Park Service, Jeffrey_shanks@nps.gov)

[Solving Problems..] Problems in Regulatory Archaeol-
ogy: An Overview and Framework for Potential Solutions

For decades, land managing agencies have faced a number of challenges in meeting their regulatory archaeological requirements. This presentation will set the stage for the symposium with a survey of the methodological, logistical, political, and funding difficulties in the current system, and will identify some possible areas in which useful and workable solutions might be found.

Sharp, Robert (Independent Researcher, robver.v.sharp@gmail.com)

[Miss Arch of Middle Cumberland] Our Lady of the Cumberland: Styles, Distribution, and Community

The female effigy bottles of the Middle Cumberland constitute the most important subject in the pottery of the region. The figure referred to as the Woman in the Patterned Shawl or the Middle Cumberland Changing Woman may represent one or more local iconographical manifestations of a supernatural personage more generally perceived to be an Earth Mother deity. As part of an ongoing study of these effigies, this paper presents the most complete assessment to date of their identifiable styles, distribution, and the communities that employed these objects in medicine or other ritual societies prior to their deposition in mortuary contexts.

Shebalin, Theresa McReynolds (Exploring Joara Foundation, theresa.shebalin@da.org), David J. Cranford (University of North Carolina at Chapel Hill), R.P. Stephen Davis, Jr. (University of North Carolina at Chapel Hill), Brett H. Riggs (Western Carolina University)

[Native-Built Log] “Their Habitations Appearing Not Uncomfortable”: The Adoption and Evolution of Catawba Log Cabins

By 1800, most families in the Catawba Nation had been constructing and living in European-style log cabins for almost 40 years. Using ethnohistoric evidence and recent archaeological data from several well-preserved Catawba domestic sites in South Carolina, we document the abrupt transition from post-in-ground structures to horizontal, notched-log constructions after 1759 and their subsequent use into the 1810s. Through the patterned distribution of flat-bottomed storage pits, chimney remnants, and other domestic features, we show that Catawba log cabins were spaces that combined European and Native ideas of hearth and home that continued to change with each new generation.

Sheldon, Craig (Auburn University at Montgomery, csheldon@aum.edu)

[John W. Cottier of Alabama: A Life in Archaeology] Charred Corn Cob Pits: Historic Creek Indian Hide Processing

Analyses of features from the protohistoric and historic Fusihatchee site in central Alabama revealed 265 small pits containing charred cane, bark, and eight to 12 row corn cobs. Traditionally interpreted as hide smoking pits, they are tangible evidence of the elaborate technology for processing white-tailed deer hides. Fully dressed hides were widely used in historic Creek material culture and had two to three times the value of raw hides in the historic deer skin trade. The necessary brain tanning and smoking steps provide Creek women with opportunities to invest their labor and receive material benefits from trade with Europeans.

Sherwood, Sarah (Sewanee: The University of the South, sherwood@sewanee.edu), Alice Wright (Appalachian State University), Stephen Carmody (Sewanee: The University of the South), Edward Henry (Washington University at St. Louis), Casey Barrier (Bryn Mawr College), and Christopher Van de Ven (Sewanee: The University of the South)

[Gen] The Pinson Environment and Archaeology Regional Landscape Project (PEARL)

Pinson, in West Tennessee, is the largest Middle Woodland site in the Southeast. We initiated the PEARL Project to contextualize this Middle Woodland record in its cultural and natural landscape. We have focused on the little known Johnston site, a 30-ha monumental complex 5 km from Pinson. Three short seasons of geophysical survey and ground-truthing indicate that Johnston was a place of significance since the Middle Archaic. Here, mound and off-mound features have the potential to situate the site in space and time, allowing us to begin addressing questions of the nature and tempo of Neolithization in Eastern North America.
Shiers, Joshua (University of Mississippi, jshiers@go.olemiss.edu)

[Gen] Hurricane Landing: From the lake bottom

Site 22LA516, Hurricane Landing, is an early single mound Mississippian site located in Lafayette County, Mississippi in the middle of Sardis Lake. An excavation of nine middens was conducted in 2015 because of erosion concerns from yearly lake drainage. Analysis of recovered artifacts determined that 95% of the ceramics collected were shell tempered plainware with less than 1% of the ceramics decorated. Lithics recovered were of four source materials with three; citronelle, Ft. Payne, and sandstone, having worked edges. AMS dating of the middens place these artifacts as being deposited between 1165-1295AD.

Shreve, Nathan (University of Mississippi, nkshreve@go.olemiss.edu)

[Gen] A Case Study of Ceramic Hybridity from a burned Household of the Contact-Era Middle Nolichucky Valley

In the winter of 2015-2016, East Tennessee State University unearthed the remains of a large, burned Late Mississippian domestic winter house of the Middle Nolichucky Valley of East Tennessee. Within this household floor, fifteen near whole sand tempered vessels were recovered and arrayed in the manner of their last usage, similar to descriptions of a mini-Pompeii context. Within the roof fall of the house was a shell tempered ceramic ware which closely resembles the Overhill ceramic tradition. I present ceramic analysis from this excavation and examine the nexus of ceramic traditions at the site.

Simek, Jan (University of Tennessee, jsimek@utk.edu)

[Shamans, Priests, Practice, Belief] Dancing with the Stars: Images of Dance in Prehistoric Mississippian Rock Art from the Southeast

For many southeastern Native American groups, dance was an important aspects of spiritual life, and dance was often charged with esoteric knowledge and power. Yet little archaeological evidence for dance has been recovered from southeastern sites and this aspect of prehistoric life has received little attention. Prehistoric rock art in the region, however, contains numerous depictions of dance, both in open air and in cave art contexts. This paper discusses those depictions with an eye towards defining what aspects of dance are illustrated, how dance can be distinguished from other movements, and the context that is depicted for dance activity.

Simmons, Rusty (National Park Service, rustylsimmons@gmail.com)

[Gen] Overlayed and Underground: Excavating Geophysical Anomalies at the Fort Rosalie Site, Natchez, MS

Following clearing at Fort Rosalie, a National Park Service (NPS) unit, archeologists have been able to conduct a suite of geophysical prospecting in the areas surrounding the fort. Using this geophysical data, historic map overlay, and excavations, new information concerning activities that followed the 1729 French massacre have been gleaned. A team from the NPS, Southeast Archeological Center, conducted the testing in 2016. Excavation revealed a post French occupation clean-up feature that has provided the Park with new interpretive information. This paper will present an overview of the GIS and geophysical work and will focus on the important moat feature.

Simpson, Diana S. (University of Alabama, dssimpson1@crimson.ua.edu)

[Current...SE Bio] Cheating Death at Mulberry Creek: Exploring Provision of Care for Disabled Individuals in Prehistoric Alabama

Bioarchaeological studies exploring provision of care for the disabled in ancient societies have been criticized for lack of rigor. Applying the new 'bioarchaeology of care' model provides a standardized methodology to identify care in the archaeological record, for example, survival of mobility-impaired individuals in a mobile group. Using this model, preliminary analysis of the Mulberry Creek site (1CT27) for evidence of care explores the complex relationships between disease, violence, and group identity. This research may provide valuable insight into direct care and basic accommodation in the treatment of disabled individuals in the past and enhance our understanding of prehistoric Alabama.
Smallwood, Ashley (University of West Georgia, smallwood.ashley@gmail.com), Thomas Jennings (University of West Georgia), and Charlotte Pevny (SEARCH Inc.)

[Shamans] Expressions of Ritual in the Paleoindian Record of the Eastern Woodlands: Exploring the Uniqueness of the Sloan Dalton Cemetery, Arkansas

The Sloan site is considered an example of a sacred place in the Paleoindian record of the Eastern Woodlands. At Sloan, human remains were found clustered with unretouched and atypically large Dalton points. We compare points from Sloan to Dalton points from secular contexts to define morphological similarities and differences. To consider ritual practices among Paleoindian populations throughout the Pleistocene, we then compare Sloan points to points from hypothesized afterlife and utilitarian Clovis caches. This analysis explores the uniqueness of Sloan to document material cultural expressions of ritual in the Paleoindian record of the Eastern Woodlands.

Smith, Hannah (TRC Environmental Corporation, hs@hannahpsmith.com)

[Brunswick] Unexpected Finds: Addressing The Conservation Needs of Brunswick Town/Fort Anderson State Historic Site’s Waterfront

Several colonial area wharves have been exposed by changes along the riverfront of Brunswick Town/Fort Anderson State Historic Site, near Wilmington, North Carolina. Over 1,000 artifacts have been recovered from this area of the site, many requiring cleaning and conservation after recovery. As part of a Master’s thesis, a research design was developed to discuss excavation and conservation challenges for the area. Conservation of a knit cap and two leather shoes was carried out to test conservation methods for use on artifacts from this, and similar, sites.

Smith III, McCallie (University of Alabama, mllsmith10@crimson.ua.edu) and Virgil Beasley (University of Alabama)

[Gen Poster] Anthropological Approach to the American Civil War

This poster will outline a proposed project for a regional survey in the Blackbelt region of Alabama aimed at understanding the effects of the Civil War on local populaces. Specifically, the area between Old Cahawba and Marion Junction. In order to contextualize the War and its impact on local residents. I will include homestead sites of the 19th century (i.e. before, during and after the Civil War) in my analysis. I intend to emphasize an Anthropological approach in this project.

Smith, Morgan (Texas A&M University, mfsmith1964@tamu.edu)

[Current Studies ...Paleoindian] An Update on Geoarchaeological Investigations at the Ryan-Harley Site (8JE1004), Wacissa River, Florida

In 2015, excavations were renewed at the Ryan-Harley site (8JE1004) in the Wacissa River of North Florida. Previous testing attributed the site to Suwannee point makers (~13,000-12,000 B.P.) based on an abundance of in-situ debitage, formal tools, and faunal remains believed to be dietary evidence. This paper will detail the recent excavations and analysis at the site, which are aimed at evaluating the sites geologic context and stratigraphic integrity. In addition, the broader context of the Ryan-Harley site will be discussed, including contributions to the understanding of the Suwannee tradition, the Southeastern Paleoindian chronology, and the settlement of the Americas.

Smith, Stefanie (New South Associates, Inc., ssmith@newsouthassoc.com) Leslie E. Branch-Raymer (New South Associates, Inc.)

[Lower Cape Fear.. Wilmington] Bones, Shells, and Seeds: Zooarchaeological and Paleoethnobotanical Assessment of Archaic through Late Woodland Period Subsistence at Five Sites within the Proposed Riverlights Development, New Hanover County, North Carolina

Data recovery excavations at five sites within the proposed Riverlights Development in the Cape Fear River drainage in New Hanover County, North Carolina produced Early Archaic through Late Woodland zooarchaeological and paleoethnobotanical assemblages. The zooarchaeological and paleoethnobotanical analysis results indicate subsistence activities were associated with seasonal encampments; were not focused upon any particular resource to the exclusion of others; are suggestive of collection of resources for im-
mediate consumption from summer through fall hab-
itations and not a concentrated harvest of any one resource for storage and later consumption; and indicate this pattern was stable during both Archaic and Woodland period occupations.

Sorresso, Domenique (American Museum of Natural History, domeniquecs@gmail.com)

[General] An Analysis of Weeden Island Effigy Vessels via Spatial Trends in Distribution and Style

Weeden Island was a Late Woodland cultural phenomenon that spanned the Gulf coast of Florida and beyond. Burial mounds related to the Weeden Island cultures often included elaborate effigy vessels that depict various animal species and humans. Because effigy vessels are restricted to burial mounds and exhibit stylistic similarities across considerable distances, archaeologists have suggested that they may have been produced by specialists in one or more central locations. The goal of this research was to compile a detailed inventory of documented effigy vessels in order to assess spatial trends in their style that may relate to specialized production.

Springs, Lauren (University of Texas, lauren-spri@gmail.com), Austin W. Reynolds (University of Texas), and Deborah A. Bolnick (University of Texas)

[Guale Life] Initial Assessment of Ancient DNA Preservation and Genetic Diversity at Santa Catalina de Guale

Recent advances have made possible the analysis of ancient DNA (aDNA) from human skeletal remains. By integrating new genetic data with bioarchaeological evidence, anthropologists are gaining novel insights into the population history of the Americas and patterns of genetic diversity that existed in the past. Here, we report preliminary results from an aDNA analysis of individuals from the Santa Catalina de Guale mission site. Our results shed light on aDNA preservation at this site, clarifying the potential for continued aDNA research, and allow some initial assessments of genetic diversity, ancestry, and genetic relatedness among individuals buried in this cemetery.

Spivey, S. Margaret (Washington University in St. Louis, spivey@wustl.edu)


A fresh reanalysis of the wood assemblage excavated from the mortuary pond at the Fort Center site (8GL13) in central-south Florida has led myself and others to posit the possibility that early interpretations of the use of these items is fundamentally flawed. Evidence suggests that rather than forming iconographic pilings that supported a mortuary platform as the original excavator William Sears posited, this specific subset of the wood assemblage may have been purposefully retired architectural adornments. I reached these conclusions through a combination of ethnohistoric accounts as well as both archival and archaeological data from the Sears excavations.

Stackelbeck, Kary (Oklahoma Archaeological Survey, kstackelbeck@ou.edu)

[General] Broadening the Impacts of Section 106 Archaeology

As the country celebrates the 50th anniversary of the National Historic Preservation Act, this poster presents some reflections on the role of archaeology in the Section 106 process. Specifically, I use select case studies to highlight potential benefits of creative mitigation efforts and some less-utilized applications in cultural resource management. By broadening approaches to data recovery and the dissemination of the results, we may effectively integrate compliance-based archaeology with larger topics of concern to anthropology and the preservation community, such as climate change, social justice issues, and efforts to engage younger generations in the protection of historic resources.

Stager, Jeremiah (University of Alabama Office of Archaeological Research, jlstager@crimson.ua.edu)

[Gen Poster] Using 3D Modeling to Accurately Recreate a Village

The goal of this poster is to communicate both the benefits of 3D modeling in documenting archaeological sites and the necessity of accurate source material. The Lay Dam Village began with the construction of the adjacent Lay Dam which was one of the first
hydroelectric dams in the country. After construction concluded the village became the home of the employees who worked at Lay Dam. The model was based on early 20th century maps, LiDAR imagery, historic aerial and personal photographs, as well as interviews with former residents. The model was presented to the former residents to verify the results.

Stallings, Richard (Amec Foster Wheeler, richard.stallings@amecfw.com)


This paper presents the results of replication experiments and microscopic analysis of 22 drifts from three Late Prehistoric sites in Kentucky and Indiana. Drifts are short, cylindrical pieces of antler, the ends of which are generally rounded and/or beveled. While several uses have been proposed, they are generally presumed to have been functioned as flint knapping tools. However, they have rarely been studied in detail. The goal for the analysis was to test the hypothesis that drifts were used as pressure flakers or for indirect percussion. The morphology of Late Prehistoric drifts and their geographic distribution will also be discussed.

Stauffer, Grant (Washington University in St. Louis, john.grant.stauffer@gmail.com)

[Gen Sess.] On Subaks and Sodalities: Postulations about Mississippian Agricultural Networks

Fertility cults tied to chiefdoms along the Mississippi River and identified by female effigy vessels and flint-clay statues have gained prominence in recent years. However, few (if any) models of agricultural networks have been presented that attempt to demystify the relationships these cults may have had with contemporary farming practices. Using Stephen Lansing’s framework for Balinese subaks (regional farming associations) and Clifford Geertz’ concept of the “rice cult,” this paper assesses whether an agricultural network model for the Lower Mississippi River Valley could be constructed with a similar theoretical perspective and the current body of material data.

Steere, Benjamin (Western Carolina University, ben-steere@gmail.com)

[Marxist Archaeology] What Mark Williams Taught Us about Teaching

Mark Williams’ legacy includes not only his important scholarly contributions to the archaeology of Georgia, but also his students, many of whom went on to have meaningful careers in archaeology and related fields. In this paper I highlight some of Mark’s most important contributions as a teacher. Mark developed classes with “engaged learning experiences” for students long before these concepts were buzzwords. He also taught his students the importance of public outreach and developing partnerships. Finally, he was often able to seamlessly integrate his teaching and research, and he trained his students to do the same.

Stephenson, Keith (University of South Carolina, stephensonk@sc.edu) and Karen Smith (University of South Carolina)

[A Marxist Archaeology..] Swift Creek in Space and Time

W. H. Holmes considered what we now call Swift Creek pottery to be part of the South Appalachian tradition. Subsequent decades of culture-historical research have reaffirmed the general spatial extent of the pottery to be across both the southern Piedmont and Coastal Plain regions. Equally broad is its timespan. Swift Creek pottery occurs over a 700-year-long phase from AD 100 and 800. In this study, we further refine the temporal and spatial resolution of Swift Creek through a critical assessment of the location of identified sites in conjunction with the numerous radiocarbon dates with professed Swift Creek contexts.

Steponaitis, Vincas (University of North Carolina - Chapel Hill, vin@unc.edu), Megan Kassabaum (University of Pennsylvania), Ashley Peles (University of North Carolina - Chapel Hill), and John O’Hear (University of Mississippi)

[Coles Creek Arch] Coles Creek Mound Summits and Their Uses

Coles Creek mounds are often viewed as prototypes for Mississippian mounds, but whether they were used similarly remains an open question. We examine
the evidence for how Mound B at Feltus in southwestern Mississippi was used. Our 2012 excavations reached the penultimate summit and revealed a cleaned surface with colored silt floors, large burned posts, and votive pits filled with distinctly colored clays and burned plants. Off one edge was a rich flank midden filled with debris from summit activities. Analysis of the ceramic, plant, and animal remains from this midden provides valuable information about the nature of these activities.

Stevens, Karen (University of Kentucky, karen.stevens@uky.edu) and Anna-Marie Casserly (University of Kentucky)

[A Ritual Gathering] Difficulties in Determining Gendered Activities from WPA Collections: An Investigation of Individuals from the Kirkland site (15McL12)

Excavated by the WPA in 1938, the individuals at the Kirkland site (15McL12), a shell-free Archaic period midden located near the Green River, have seen little reanalysis in the past 78 years. This paper will include a short summary of recent research of individuals, including sex and age estimations, osteological features of note (i.e., auditory exostoses), and a relative dating of burials produced through fluoride ion analysis. Particular emphasis will be placed on implications for gendered activities and practices. Future archaeological and bioarchaeological research plans for Archaic period sites along the Green River will also briefly be discussed.

Stewart, Ashley (University of Alabama, anstewart1@crimson.ua.edu)

[John Cottier of Alabama] It’s All Relative: Dental Expressions of Genetic Relationships in the Guntersville Basin

Previous research has shown that genetically similar individuals possess more similar dental morphology, including size, shape, and traits, such as cusps, roots, or grooves, than do non-genetically related individuals. This research utilizes metric and non-metric dental analysis methods to examine the presence of genetic relationships among individuals from multiple sites in the Guntersville Basin, located in the Middle Tennessee River Valley. At each site, these relationships are then examined in the context of burial practice, in order to understand how these types of familial connections may have influenced burial context, placement, or treatment.

Stine, Linda (University of North Carolina at Greensboro, lfstine@uncg.edu)

[Shaping the Present] Engendering Historical Archaeology: 1990-2016

One important catalyst for change at the University of South Carolina in the late 1980s-early 1990s was the work of Joan Gero. Her publications, her students, and visiting speakers made for a stimulating, feminist atmosphere with connections to a growing network of archaeologists interested in the possibilities of gender studies. Participating in early theoretical discussions with some powerful personalities and hearing evidence based on diverse case studies was eye-opening. Stine continues to work to determine how gender ideals, roles, behaviors, and identities can be deduced from the material record through historical archaeological research.

Straub, Elizabeth (University of Indianapolis, straube@uindy.edu), Christopher Moore (University of Indianapolis), and Richard Jefferies (University of Kentucky)

[General] An Investigation of Transition: Irene-Altamaha Ceramics from Sapelo Island

Since 2003, the Sapelo Island Mission Period Archaeological Project (SIMPAP) has focused on investigating the Franciscan Mission San Joseph de Sapala and its associated Guale village (Site 9Mc23) on Sapelo Island, Georgia. The summer 2015 excavations focused on Irene and possible transitional Irene-Altamaha contexts in hopes of better understanding the nature and timing of changes in ceramics during this period. During shovel test survey, we located a shell midden containing ceramics with mixed Irene-Altamaha traits. Excavation of a 2 x 2 unit in this midden revealed a semicircular series of posts, a pig burial, and a ceramic assemblage that includes a diverse mixture of Irene and Altamaha traits. This paper presents the results of the excavation and ceramics analysis.

Styles, Bonnie (Illinois State Museum, bonstyles@yahoo.com), Mona Colburn (Illinois State Museum), Sarah Neusius (Indiana University of Pennsylvania)

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Exploring Comparability in the Eastern Archaic Faunal Working Group tDAR Databases

The Eastern Archaic Faunal working group assessed comparability of our tDAR datasets as an important first step in the study of variability in use of animals. We analyzed variables related to bone preservation and destruction for eight pilot sites and developed a final taphonomic protocol based on evaluation of fragmentation, burning, and bone density-mediated attrition to explore comparability for all 21 sites. We also developed a protocol for assessing comparability with respect to site type, context type, and recovery method. Taphonomic biases and recovery strategies clearly affected bone representation at all sites, but our datasets appear to be relatively.

Sullivan, Lynne (University of Tennessee, hurrywarch@aol.com)

The Path to the Council House: The Development of Mississippian Communities in Southeast Tennessee

The transition from Early to Late Mississippian in southeastern Tennessee encompassed many cultural changes, including shifts from dispersed to nucleated communities, and in regional interactions from the south to the west. More people moved into mound centers, the use of communal burial mounds ceased in favor of household and public space interments, and new types of pottery, architecture, and symbolism came into use. Concomitant with these changes were new forms of community leadership overlaid upon an older, and continuing, base of kinship groupings. These kinship groupings are visible archaeologically in the earlier burial mounds and later in households within villages.

Sweeney, Kara Bridgman (Georgia Southern University, kara.b.sweeney@gmail.com)

Walking the Banks: Complexities of Georgia’s Rice Landscape

Objects of material culture can share social information, referencing other people-groups and even distant places. Ongoing analyses of large assemblages of side-notched hafted tools across multiple scales may assist in the modeling of social boundaries and intergroup interactions throughout the lower Southeast. Mindful that ambiguity plays an important (if implicit) role in considerations of Early Archaic and other ancient hunter-gatherer groupings, I examine the sources of information through which inferences about Early Holocene group dynamics historically have been drawn, discussing some recent uses of spatial and social network analyses in the construction of that past.

Swisher, Kimberly (University of Michigan, kswi@umich.edu), Turner Hunt (University of Oklahoma), Nathan Hale (University of Georgia), Judge Jones (New College of Florida), Megan Anne Conger (University of Georgia), Jennifer Birch (University of Georgia), Stefan Brannan (University of Georgia)

Changes in Activities during the Middle Occupational Phase at Singer-Moye, ca. A.D. 1300-1400

The 400-year occupation of Singer-Moye was marked by periods of population aggregation and dispersal. These occupational events played a role in changes in activities at the site. Comparative statistical analyses are used to elucidate changes in the ratios of artifact types from a sample of material removed from a well-preserved, stratified midden deposit. Ceramic data indicate the midden was deposited during the site’s Middle Occupation, and lithic and faunal data indicate notable shifts in activities in this area during this phase. This research bears upon current understandings of settlement history both at Singer-Moye and in the lower Chattahoochee River Valley.

Tankersley, William (New South Associates, Inc., mtankersley@newsouthassoc.com)

Of Roads and Ruins Walking the Banks: Complexities of Georgia’s Rice Landscape

GDOT’s Brampton Road Connector project resulted in the discovery of a significant battlefield of the Savannah Campaign of the Civil War. However, the first resource surveyed was associated with rice cultivation on Brampton Plantation, initiated by Jonathan Bryan in 1765. Bryan was well versed in rice upon settling in the Georgia. Current guidance in interpreting historic rice fields, divides production into two methodologies: inland and tidal. However, rice production on Brampton and other rice plantations suggests inland and tidal rice techniques were used in conjunction
with one another. This paper provides an analysis of the landscape at Brampton as hybridization.

Teague-Tucker, Megan (University of West Georgia, mtucker@westga.edu), Wesley Snyder (University of West Georgia), James Bomba (University of West Georgia), Stephanie Nolen (University of West Georgia), Bryan Tucker (Georgia Department of Natural Resources)

[Gen poster] Investigating a relationship between burial position and maternal death in Sea Island, GA

An Irene period burial was excavated in May 2016 on Sea Island, Georgia. The burial feature contained the remains of an adult female and a perinatal infant. In addition to the multiple interments, the burial position was atypical for coastal Irene burials. This research examines similar burials in an attempt to determine if this position is correlated with a childbirth-related maternal death in Georgia Native American traditions.

Terry, Ashley L. (University of Pennsylvania, ashleylterry@gmail.com) and Megan C. Kassabaum (University of Pennsylvania)

[Cole Creek Archaeology] The Value of Collaboration: Assessing the Utility of Avocational Archaeology at Smith Creek

The Junior Archaeological Society, operating from the 1950s -1970s, provided opportunities for middle and high school students to study and practice archaeology. The group, headed by a teacher and avocational archaeologist, excavated at sites throughout the South – most notably, the Coles Creek-period Smith Creek site. By interviewing former members, studying the accounts and records of the Society itself, and analyzing recently rediscovered artifacts resulting from their excavations, we have gleaned new and important information about the site. We use this case study to discuss the value of collaboration between professionals and avocationalists and the utility of studying collected materials.

Thacker, Paul (Wake Forest University, thackep@wfu.edu)

[Gen poster] Behavior Beyond the Village: Embedded Clay Procurement and Changing Late Woodland Land Use in the Yadkin Valley

Comprehensive geological investigation of clays in the local region of the Late Woodland Donnaha village site integrated pXRF, magnetic, petrographic, and XRD techniques. Prehistoric ceramic artifacts were characterized from three, well-dated contexts (circa CE 930,1225,1405.) Falsifying a least-cost and site-centered hypothesis, workable clays nearest to Donnaha apparently were not exploited in prehistory. Raw clay was procured from landforms several kilometers from the village, most likely embedded in field maintenance and foraging activities. Clay selection decisions, shifting land use strategies, and even social meanings of valley places may be revealed through combining intensive geologic survey, geochemical characterization, and local-scale archaeological analysis.

Thomas, David Hurst (American Museum of Natural History, thomasd@amnh.org)

[Guale Life] How the Fall Tree Cemetery Found Us

Archaeologists typically talk about how they found such-and-such a site. The Fallen Tree Cemetery is truly an exception to standard archaeological narrative because, quite literally, the site found us. This introductory paper tells the tale of reverse-discovery—complete with an account of the ultimate remote sensing (divine intervention).

Thompson, Brandon (The University of Alabama Office of Archaeological Research, brandon.s.thompson@ua.edu)

[Current Research in Southeastern Bioarchaeology] Bioarchaeology and Prehistory of the Middle Tennessee River Valley

In 2016, as part of an ongoing, multiyear research project conducted by The University of Alabama Office of Archaeological Research and Department of Anthropology, nearly 1,300 sets of osteological remains were analyzed. Coupled with analysis from the previous year, approximately 2,500 individuals have been analyzed from nearly 50 sites excavated in the 1930s and 1940s in the Middle Tennessee River Valley in north Alabama. This paper provides a holistic
health discussion of new data from this year's research, including demographics, trauma, and disease, among others, and builds upon previous interpretations of intersite and intrasite relationships.

**Thompson, Lori** (Georgia State University, lt.9ck1@gmail.com)

[Arch in Action] *The MARTA Collection: An Archaeological Legacy and Cache of History*

The initial rail lines for the Metropolitan Atlanta Rapid Transit Authority (MARTA) radiate from a center point where the town of Terminus gave rise to Atlanta. This massive public undertaking created an opportunity for Georgia State University (GSU) personnel, under the direction of Dr. Roy Dickens, to implement urban archaeological excavations from 1976-1979. The return of the collection to GSU presents the opportunity to reexamine this material. Through the investigation of the artifacts from 9FU107 and the documents from 9FU91, this paper will give a glimpse of the vast amount of new information that can be realized from this collection.

**Thompson, Victor D.** (vdthom@uga.edu, University of Georgia) and **Birch, Jennifer** (University of Georgia, jabirch@uga.edu)

[Power] *The Compelling Power of Villages in Eastern North America*

Throughout eastern North America pivotal cultural transformations took place when people came together into village-communities. Such transformations included new traditions and social milieus that had no prior analogues among the populations that preceded these emergences. The power of villages to create new societal forms developed through processes of emplacement, negotiation, cooperation, and competition at multiple social and spatial scales. As such, the way individuals and groups expressed power operated under different societal constraints than under other kinds of social formations. In this introduction to the session, we consider some of the key theoretical research questions concerning these transformations.

**Thornock, Christopher** (U.S. Forest Service, dig_artist@hotmail.com)

[General] *Considering Performance and Indigenous Worldviews in the Multiple Landscapes of Mound B: Exploring Complementary Interpretive Frameworks at the Hollywood Site (9RI1)*

Mound B at the Hollywood site (9RI1) was the location of four distinct but interconnected realms of activity: the construction and use of a charnel house, the mound-building process, the creation and function of an interred tableau, and the mound as a living monument. Each of these realms of activities allowed for the creation of cultural landscapes and provided performance opportunities to community members. Exploring this one location through combining the complementary interpretive frameworks of Human-Thing Entanglement, Landscape Analysis, Performance Analysis, and Indigenous Worldview and combining those interpretations at the appropriate scale can allow for more complete and meaningful interpretations.

**Thulman, David** (George Washington University, dthulman@gmail.com) and **Maile Neel** (University of Maryland)

[Hunter-Gatherer Societies...] *Local Scale Cultural Transmission: How Neutral Artifact Traits Manifest at Neighborhood Boundaries*

Archaeologists are increasingly interested in social organization using learning theory, social networks, and the distributions of artifact variation. We use principles of population genetics as an analog to explore interactions between two groups making variations of the same artifact. We examine the boundary conditions and three hypotheses of human behavior that would result from interactions. We test these hypotheses using Early Archaic Bolen points from Florida, defined using geometric morphometrics. The results show no support for the alternative hypotheses. We conclude the pattern was due to long-term residence of males from outside their home territory.

**Templin, Robert** (University of Alabama, rbtemplin@crimson.ua.edu) and **Elliot Blair** (University of Alabama)

[Gen poster] *Diachronic Patterns in Black Glass Trade Beads: Evidence from Mission Santa Catalina de Guale*

Historical and archaeological research has long established that European glass beads are high-resolution
temporal markers for colonial sites in North America. Additionally, recent studies have demonstrated that compositional analyses of certain bead types can refine the chronological resolution of these artifacts. This study contributes to this growing body of knowledge by extending these methods to drawn beads manufactured from black glass. Using x-ray fluorescence spectrometry and a bead sample recovered from the cemetery of Mission Santa Catalina de Guale (Georgia), we identify diachronic patterns in the recipes used to manufacture black glass trade beads during the 17th century.

Truolli, Ruth (DC State Historic Preservation Office, troolli@gmail.com)

[Shaping the Present] Sociopolitics and Southeastern Chiefdom Studies

Dr. Joan Gero had a profound impact on my career. I had a lightbulb moment in my first class with her that has influenced my work ever since. Anthropological feminist archaeology in the Southeastern US - it was then radical - my mind was blown. I tried to operationalize the tenets in my work on the archaeology of women chiefs, and was accepted more broadly than I expected. Now as a public archaeologist outside of academia, I continue the political act of engendered, people-centric archaeology. I try to set an example that Dr. Gero would be proud of.

Triozzi, Nicholas (American Museum of Natural History, nttriozzi@amnh.org), Anna Semon (University of North Carolina - Chapel Hill), Thomas Blaber (American Museum of Natural History), Glen Keeton (American Museum of Natural History), Lorann Thomas (American Museum of Natural History), Matthew Napolitano (University of Oregon)

[New Research into Guale Life] Modelling community connectedness at Fallen Tree, St. Catherines Island, GA (9Li8)

Artifact distribution with respect to burial demographics enables us to visualize clustering and densities within the spatial extent of an excavation. A network analysis evaluates potential interactions between represented community members in the Fallen Tree cemetery based on artifact occurrences. This model considers burials (i.e., nodes) in terms of connections weighted by recurring incidences shared artifact types. This model enables the assessment of community-level structure, connectivity, and evidence of shared burial practices. Pending greater resolution of mortuary event chronology, this approach can also address community connectedness over time.

Trubitt, Mary Beth (Arkansas Archaeological Survey, mtrubitt.uark.edu)

[Exploring the Edges of the Caddo...] Stone, Shell, Copper, Clay: Investigating Caddo-Mississippian Interaction and Exchange

Social interactions between people are often materialized with gift exchanges, giving archaeologists a tangible way to investigate social boundaries and interaction networks. This paper highlights current research and techniques for sourcing and tracing the movements of objects made from distinctive stones, marine shell, copper, and decorated pottery within and beyond the Caddo Area. Three case studies are presented: mapping the distribution of chipped stone tools using the “Arkansas Novaculite: A Virtual Comparative Collection” website; analyzing designs across multiple media to distinguish regional exchange and macroregional interaction; and building an INAA database for Arkansas to identify local communities of pottery production.

Trudeau, Mary (Edwards-Pitman Environmental, Inc., sesuadra@hotmail.com)

[The Williams Spring Site] Human Skeletal Remains at the Williams Spring Site (1MA1167): and Inventory and Analysis

Despite massive disturbance to 1MA1167 from historic intrusions, what remains of the site retains incredible preservation. To that end, in three separate Phase III mitigations of the site, human skeletal remains were encountered, some better preserved than others. The excavations encountered both adult and infant burials, and both male and female burials, as well as the odd single human element. This paper will present, in as much as possible, the identified human remains, with a basic analysis of age, sex, and any identified pathologies.
[Gen Sess...] Investigating Clovis Blade Technology at the Sinclair Site (40WY111), Tennessee

In 2008 an extensive Paleoindian quarry was documented at the Sinclair site by the Tennessee Division of Archaeology. The first description of the prismatic blades from the Sinclair site is presented here. Quantitative and qualitative attributes of 117 prismatic blades are assessed to characterize the Clovis assemblage. The blades from Sinclair are then compared to other known Clovis prismatic blade assemblages in the southeastern United States. This analysis supports the interpretation that the Sinclair blade assemblage is comparable with typical Clovis blade technology documented throughout the region, and represents early-stage lithic reduction that is expected at a quarry location.

[Turck, John] (National Park Service, turck.john@gmail.com) and Victor Thompson (University of Georgia)

[Gen poster] Reduction Intensity in Crypto-Crystalline Silicates

While efforts have been made in understanding reduction intensity, these studies have mainly focused on the usage of igneous rocks, e.g. basalts. However, these studies do not accurately reflect the reduction intensity with crypto-crystalline silicates, due to differences in cortex and package shapes/sizes. To better understand the reduction process, ten porcelain cobbles were knapped and studied. These cobbles were fired and treated to replicate crypto-crystalline silicates, while standardizing size and shape. The implications of this study can be used to understand the reduction process of crypto-crystalline silicates found within the lithic assemblage in the southeastern United States.

[Van Hagen, Logan] (University of Georgia, lev50679@uga.edu)

[Solving Problems] Managing Compliance in Mississippi: Archaeological Surveys and Syntheses in Transportation Projects

Complying with NEPA and NHPA can be a complex and often frustrating process. The Mississippi Department of Transportation (MDOT) and Federal Highway Administration (FHWA) have utilized the Section 106 process as a means to better survey methodologies and promote cultural awareness in Mississippi. These projects featured close collaboration between state, federal, Native American Tribes and public and private institutions to resolve adverse impacts to cultural resources under Section 106 in and creative ways. These projects are intended to provide long-term educational opportunities to the general public and, in the process, promote MDOT’s commitment to environmental sensitivity and cultural stewardship.

[Vidoli, Giovanna] (University of Tennessee, Knoxville, gvidoli@utk.edu) and Heather Worne (University of Kentucky)

[Miss Arch of the Middle Cumberland] Relationships and Trauma: Lived perspectives at Averbuch

This research examines the intersection between biological relationships and trauma frequencies at Averbuch, a Late Mississippian site (1200-1450 CE) in the Middle Cumberland Region. The village site contains
three cemeteries that were utilized during chronologically distinct episodes in the short occupation history of Averbuch. The biological distances of the people in each cemetery are calculated using cranial metric and non-metric traits and linked with evidence of trauma. The relationships and trauma frequencies among the cemeteries will illuminate the daily reality of the threat of violence at Averbuch. In addition, Averbuch will be placed into perspective within the whole MCR.

Wagner, Gail (University of South Carolina, gail.wagner@sc.edu)

[Growing Lost Crops] Reflections on Growing Lost Crops

I've been growing various “lost crops” for over 25 years. In this paper I reflect on what I've observed and learned from growing or not weeding Maygrass (Phalaris caroliniana), Sumpweed (Iva annua), Chenopod (Chenopodium sp.), and Little Barley (Hordeum pusillum), along with other edible weeds such as Purslane (Portulaca oleracea) and Maypops (Passiflora incarnata).

Wagner, Mark (Southern Illinois University Center for Archaeological Investigations, mjwagner@siu.edu) and Kayleigh Sharp (Southern Illinois University)

[General] From Profane to Sacred: European Materials Integration Into Native American Cosmology

The precarious sociopolitical setting of mid-to-late sixteenth-century Mississippian southeastern North America witnessed a transition in native worldview. This transition is reflected in the archaeological record of Pine Log Creek burial mound site in southwestern Alabama, where local Mississippian elites incorporated European materials into traditional cosmological artifact forms. Analysis of these artifacts’ attributes (including material, color, form, and origin) reveal characteristics that indicate these items communicated symbolic meaning pertaining to the Mississippian cosmos. European materials were incorporated into cosmological media as a way to retain status, invoke the supernatural, and impose order during turbulent times.

Walker, Martin (University of Tennessee, Knoxville, mwalke63@vols.utk.edu), Amelia Jansen (Southeast Archaeological Center), Heather Woods (University of Tennessee, Knoxville), Alex Craib (University of Wyoming), Anita Lehew (University of South Carolina), and David Anderson (University of Tennessee, Knoxville)

[Gen Sess] Recent Advances in Illinois Rock Art Research: Portable X-Ray Fluorescence (pXRF) and Photogrammetric Studies

Illinois rock art studies conducted in the nineteenth and twentieth centuries typically used drawings, tracings, and print photography to prehistoric petroglyphs and pictographs. These types of studies have been replaced in recent years by new methods including digital photography, DSTRETCH enhancement, photogrammetry, pXRF analysis, and other technologies. These new techniques have greatly enhanced our ability to quickly and accurately record rock art sites in comparison to older methods. In this paper we present several case studies that showcase the use of these new methods and their ability to enhance or correct information collected by earlier rock art studies.

Walker, Renee (SUNY Oneonta, renee.walker@oneonta.edu)

[Shamans, Priests, Practice, Belief] Caches & Burials: Ritual Use of Dust Cave During the Paleoindian and...
Archaic Periods

Dust Cave is a long-term habitation site near the Tennessee River in Northwestern Alabama. Everyday activities such as food processing and tool making took place within the cave and there is also evidence that rituals occurred. A large cache of Canada goose humeri was found in the Late Paleoindian deposits. During the Archaic occupation, humans began to inter their dead in the cave and both humans and dogs were interred in the cave. This paper explores the importance of the cave in ritual activities for Paleoindian and Archaic peoples in the Tennessee Valley.

Wallis, Neill (Florida Museum of Natural History, nwallis@flmnh.edu)

[Power of Villages] Powers of Place in the Predestined Middle Woodland Village

Many pre-Columbian villages incorporated existing landscape features and followed “preconceived” plans that anticipated the size and social structure of residential communities. Going further, I argue that some communities at Middle Woodland mound-village complexes in the Deep South were “predestined.” That is, the sheer physicality of particular loci created by other-than-human forces prior to human settlement portended inevitability in the structure of newly aggregated communities and emergent social power. Using Garden Patch on the northern Gulf coast as a case study, I outline particular landscape features, their histories of use, and the powers that they could have inculcated.

Waselkov, Gregory and Craig Sheldon (University of South Alabama, gwaselkov@southalabama.edu and Auburn University - Montgomery)

[Native-Built Log] Redstick Creek Log Cabins at the Holy Ground

Despite a widely held belief that the Muscogee Creeks used horizontal notched log construction for their residences by the 1790s, documentary and archaeological evidence for log cabins is sparse and largely ambiguous. Excavation of three well-preserved log cabin remains at the site of Holy Ground, a Redstick prophet’s town dating to mid to late 1813 provides the first unambiguous evidence for this kind of Creek residential form. Several features of the Holy Ground cabins reflect adaptation of traditional Creek architectural elements to a northern European mode of construction, exemplifying some of the diversity in log construction in 19th-century North America.

Watt, David (Tulane University, djwatt31@gmail.com) and Rachel Horowitz (Tulane University)

[Gen Session…] An Analysis of a Natchez Gunflint Assemblage from the Lower Mississippi Valley and Its Implications for 18th Century Colonial Economic Interactions and Exchange

Archaeological analyses of European lithic technologies in North America are often discussed anecdotally within the context of other material evidence of European occupations. Gunflints provide a unique avenue of analysis for understanding both continuity in lithic technologies and the interactions between indigenous and introduced technologies, as they were made in Europe and the Americas from the early 1500s to the late 1800s. We address methodological concerns in typifying historic lithic collections, particularly 18th century gunflints, particularly as concerns sourcing and the implications of gunflint sourcing for understanding 18th Century Colonial interactions in the southeastern United States.

Watts-Malouchos, Elizabeth (Indiana University, eliwatts@indiana.edu)

[Gen] Connecting to Cahokia: Reconsidering Material Connections between Angel and the American Bottom

Theorizing Mississippian interactions in terms of prestige goods economies emphasizes an elite hegemony and masks the everyday practices and experiences that constituted being Mississippian. In this paper, I reevaluate the decorated ceramics traditionally cited to connect Angel to contemporaneous Cahokia then contextualize the discussion with new insights into household and community architectural practices across the Angel region. I argue that relationships between the civic-ceremonial centers have been underestimated due to a focus on Cahokian prestige items. Alternatively, I suggest that Angel communities created connections with Cahokia by configuring their social and physical landscapes to a particular Cahokian cosmogram.
Weik, Terrance (University of South Carolina, weik@mailbox.sc.edu)

[Gen Sess...] Mapping Chickasaw Removal

This paper explores the cultural significance and social impact of historical and modern maps for both archaeologists and participants in U.S. “Indian Removal.” Maps of Chickasaw removal were created during processes that involved the clash of epistemologies, the exercise of rhetorics, the commodification of environmental features, and the forced transfer of land. These processes operated alongside the spiritual chaos, anguish, and physical toll that dispossession took on native people. This paper examines the mechanisms of human displacement, as well as the challenges of using removal period maps (e.g. from the U.S. Public Land Survey System).

Weiland, Andrew (Ohio State University, andrewweiland8@gmail.com), Aaron Comstock (Ohio State University), M. Chase Gordon (Ohio State University), and Robert Cook (Ohio State University)

[Gen poster] Examining Late Woodland and Early Fort Ancient plant use: preliminary archaeobotanical analysis of the Turpin site (33HA19)

The Turpin site (33HA19), located in southwest Ohio, was inhabited by both Late Woodland (c. AD 400-1000) and Fort Ancient (c. AD 1000-1300) groups, spanning the transition to maize agriculture in the Middle Ohio Valley. This preliminary archaeobotanical analysis compares multiple contexts from two wall trench structures. One structure (AD 1050-1200) is distinctly Mississippian in terms of material culture and may reflect a migrant community, while the second (AD 1200-1280) is more typical of Fort Ancient assemblages. This analysis contributes to a broader understanding of subsistence strategies at Turpin, and provides a first step to larger inter-site and temporal comparisons.

Weinstein, Richard A. (Coastal Environments, Inc., rweinstein@coastalenv.com), Douglas C. Wells (Coastal Environments, Inc.), and Joanne Ryan (Coastal Environments, Inc.)

[Coles Creek Archaeology] Coles Creek in the Tensas Basin of Louisiana: A Brief Update of the Past 20 Years of Research

Louisiana’s Tensas Basin has played a significant role in understanding Coles Creek culture. Beginning in the 1930s, with Ford’s “Red River Mouth Sequence” and his original definition of Coles Creek culture, through several subsequent decades of research by members of the Lower Mississippi Survey (LMS), archaeologists working in the basin have refined the concept of Coles Creek, culturally and temporally. Recent investigations by Tulane University and Coastal Environments, Inc., (CEI) have further expanded our knowledge of Coles Creek. This paper will review this latter work, with particular attention to several sites: Hedgeland, Shackelford Lake, Lisa’s Ridge, Raffman, and Lake Providence.

Weitzel, Elic M. (University of Connecticut, elic.weitzel@uconn.edu), Brian F. Codding (University of Utah), David W. Zeanah (California State University - Sacramento), and Stephen B. Carmody (Sewanee: The University of the South)

[Gen] Population Packing Prior to Initial Domestica- tion in Eastern North America

Initial domestication in Eastern North America was preceded by significant population growth, but whether high populations increased competition and reduced foraging efficiency as predicted by theoretical models is unknown. We test the hypothesis that restricted territory size and constrained mobility prior to initial domestication limited access to high-
ranking patches, inspiring local investment in lower-ranking resources. We find that not only were territories smaller prior to domestication, but sites were located in less productive habitats. These results support the hypothesis that population packing constrained mobility, restricted access to distant profitable patches, and led to management and eventual domestication of plants locally.

**Wesson, Cameron** (Lehigh University, cwesson@mac.com)

[John W. Cottier] John W. Cottier and the Archaeology of Central Alabama

From his youth, John Cottier was passionate about the archaeology of Central Alabama. Beginning with unaccompanied sojourns along the Lower Tallapoosa River with the journals of William Bartram and Benjamin Hawkins in tow, John’s knowledge of the archaeology of the region was truly encyclopedic. During his professional career, John’s research primarily addressed the Mississippian, contact, and colonial periods, with this expanded temporal perspective allowing him to understand changing physical landscapes, settlement patterns, and socio-political dynamics from a unique perspective. This presentation reviews John’s major contributions to the archaeology of Central Alabama, with particular emphasis on his work at Fusihaftchee.

**West, Shaun** (University of South Florida, wests@mail.usf.edu), Thomas Pluckhahn (University of South Florida), and Martin Menz (University of Michigan)

[The Power of Villages] Size Matters: Kolomoki (9ER1) and the Power of the Hypertrophic Village

Kolomoki, in southwestern Georgia, was one of the largest villages of the Middle and Late Woodland periods in the American Southeast, with a circular village plan nearly a kilometer in diameter centered on a huge open plaza. We introduce the term “hypertrophic village” to describe Kolomoki and, by extension, villages of similarly exaggerated size. The wide spacing between domestic units at Kolomoki, we argue, both enabled and constrained social cohesion. The construction of Kolomoki’s hypertrophic village may have been a deliberate strategy related to settlement shifts that recent work suggests took place throughout the region in the seventh century AD.

**Wettstaed, James** (Chattahoochee-Oconee National Forest, jwettstaed@fs.fed.us) and Dean Wood (Southern Research)

[General] Conflict Archaeology in a Modern Urban Environment: Finding the Battle of Atlanta

The American Civil War left a permanent mark on the landscape of the United States. However, several battlefields have been altered by modern development. The physical remnants of the Battle of Atlanta were gradually erased as the needs of a growing city resulted in the construction of roads, high-rises, and other development. This paper discusses the challenges, limitations, and overall potential of conflict archaeology in a modern urban environment and offers a methodological plan of action for conflict site identification and investigation. We present a case study of a Confederate gun emplacement site located during a utility project through Atlanta.

**White, Andrew** (University of South Carolina, aawhite@mailbox.sc.edu)
[Hunter-Gatherer Societies...] Social Implications of Large-Scale Demographic Change during the Early Archaic Period in the Southeast

Previous studies of radiocarbon and projectile point distribution data have suggested the possibility of a significant shift in the distribution and/or behaviors of human populations during the later portion of the Early Archaic period (i.e., post-9000 RCYBP). This paper considers the evidence for an “abandonment” of large portions of the Southeast following the Kirk Corner Notched Horizon and explores (1) possible explanations for large-scale changes in the distribution of population in the Early Holocene and (2) how those demographic changes, if they occurred, might have articulated with social changes at the level of the family, foraging group, and larger societies.

Wiewel, Rebecca (Arkansas Tech University, rwiewel@atu.edu)

[Exploring the Edges of the Caddo World...] Evidence of Caddo Presence in the Central Arkansas River Valley

Stylistic analyses of ceramics from the Carden Bottoms locality of Yell County, Arkansas have long supported the notion of trade with Caddo communities in the Middle Ouachita region of southwest Arkansas. This paper considers results from recent instrumental neutron activation analyses that strongly suggest the identified Caddo-style wares were actually produced locally. Since the Caddo-style wares are identical to those found in southwest Arkansas in all respects, it is likely the wares were produced by Caddo potters residing in the Central Arkansas River Valley. Implications of these findings and planned research to further explore interregional interaction will also be discussed.

Wiewel, Rebecca (Arkansas Tech University, rwiewel@atu.edu)

White, Nancy (University of South Florida, nmw@usf.edu)

[General] Paleo-Indian in the Apalachicola-Lower Chattahoochee Valley Region

In this region of northwest Florida/southwest Georgia/southeast Alabama, Paleo-Indian has been poorly known. Survey and collectors’ data now show an interesting settlement pattern. Sites cluster on the Chipola River, the large, westerly tributary and probably the original river channel before post-Pleistocene fluvial shifts. Newly-exposed coastal sites suggest widespread (?) settlement in the lower valley, most buried by Holocene delta formation. Site distribution correlates with available lithic raw material but even more to locations of springs/streams. Still without excavated sites, in-situ deposits, or full assemblages, we can at least compare this with the better-known Paleo-Indian record in neighboring areas.

Whyte, Thomas (Appalachian State University, whytetr@appstate.edu)

[The Williams Springs Site...] Archaeofaunal Evidence of Subsistence Stress in the Middle Woodland Period at the Williams Spring Site, Madison County, Alabama

Nearly 150,000 vertebrate and invertebrate specimens were recovered primarily from late Middle Woodland, Bell Hill phase contexts at the Williams Spring site on the Redstone Arsenal in Madison County Alabama. These include remains of at least 30 species of invertebrates and 73 species of vertebrates. Emphasis on foraging for secondary resources such as aquatic snails, evident consumption of terrestrial snails, and extreme vertebrate bone fragmentation are indicators of subsistence stress, possibly coincident with increasing human populations and competition for resources just prior to intensification of maize horticulture in the middle Tennessee River valley.

Whyte, Thomas (Appalachian State University, whytetr@appstate.edu)
toolkit assemblages can be generated based on landscape location.

Wilson, Gregory (University of California, Santa Barbara, gdwilson@anth.ucsb.edu) and Amber VanDerwaker (University of California, Santa Barbara)

[Power of Villages] War, Power, History: Mississippian Village Formation in the Central Illinois River Valley

The early 13th century A.D. witnessed the intensification of inter-group violence throughout large portions of the Middle Mississippian region. Changes in the scale and intensity of conflict led to the nucleation of previously dispersed populations into fortified settlements. Ongoing architectural analysis of the catastrophically burned Orendorf site in the Central Illinois River Valley of west-central Illinois provides the opportunity to investigate this dynamic process. Our research has revealed that the establishment of compact living arrangements within the Orendorf village entailed the negotiation of new social institutions and relationships as well as the novel incorporation of traditional organizational conventions.

Wise Jr., Ronald (University of Southern Mississippi, ronald.wise.jr@gmail.com)

[John W. Cottier] The Organization of Technology in the Pine Hills of Mississippi

A host of environmental factors results in the preservation of little prehistoric cultural material in the Pine Hills region of Mississippi other than lithic remains. As such, debitage analysis holds great importance in the interpretation of site functions, residential mobility and economic systems. Statistical analysis of experimentally produced debitage suggests that a suite of flake attributes exists that reliably predicts the potential reduction strategies of local gravel cherts. The results of these experiments were then compared to three sites within the region, which indicate a distinct contrast with other material types and a potential bias in standardized recovery techniques.

Witcher, Colette (University of South Florida, colet_w@yahoo.com)

[General] Archaeology, Heritage, and Memory: Settlement Patterns of the Gullah-Geechee on Sapelo Island, Georgia

The Gullah-Geechee are descendants of enslaved Africans who worked coastal plantations of Georgia, South Carolina, and Florida. Historically, there were at least 15 Geechee communities on Sapelo Island, Georgia. Today, only Hog Hummock exists due to forced abandonment during the 1950’s. The present research seeks to 1) identify and record these communities using early 20th century maps to guide archaeological reconnaissance survey, and 2) preserve a locational record to guide mostly state-owned land management. Resulting site data will interpret post emancipation settlement patterns and interviews with Hog Hummock Geechee will highlight the significance of these heritage resources for descendants.

Worne, Heather (University of Kentucky, haworne0@uky.edu)

[Current... SE Bio] Temporal Trends in Violence During the Late Prehistoric Period in the Middle Cumberland Region of Tennessee

Using a biocultural approach, this study documents the variability in violence among late prehistoric communities in the Middle Cumberland Region (MCR) of Tennessee. Bioarchaeological evidence for violence is placed within the local environmental and social context of the MCR and the wider Southeast in order to better understand temporal trends in regional conflict. The variability observed in the frequencies and types of violence within the MCR demonstrates the issues inherent in the reliance on broad generalizations about human behavior in the past and highlights the importance of utilizing both a regional and diachronic approach.

Wood, M. Jared (Georgia Southern University, mwood@georgiasouthern.edu) and Thomas J. Pluckhahn (University of South Florida)

[Marksist] Terra incognita

The manifest representation of space and place is essential to good archaeology. Our ability to document and relate these concepts, projected into the past and reflected in the present, has increased tremendously with the expansion and availability of technology. This brief paper presents recent efforts to further document a well-known place in the cultural land-
scape of modern-day Georgia: the Kolomoki site.

**Worth, John** (University of West Florida, jworth@uwf.edu)

[Documenting Early European] *Interpreting Spanish Artifact Assemblages in the Mid-Sixteenth-Century Southeast: The View from the 1559-1561 Tristán de Luna Settlement on Pensacola Bay*

Sixteenth-century Spanish artifacts are uncommon but widespread finds in the Southeastern United States, and documented assemblages have been variously used by archaeologists either as secondary indicators of the presence of passing Spanish explorers, or also as evidence of direct or indirect Spanish trade. The vast majority of such artifacts are found as grave goods within Native American villages or burial sites, apart from a handful of well-documented Spanish colonial settlements and encampments. Archaeological investigations at the recently-discovered 1559-1561 Tristán de Luna settlement provide a remarkable opportunity to examine a substantial though short-lived residential Spanish assemblage dating to this same era.

**Worthington, Brian** (National Park Service, bworthington78@gmail.com)

[gen poster] *Zooarchaeology of Historic and Prehistoric Sites on Shackleford Banks, Cape Lookout National Seashore, North Carolina*

Between 2012 and 2015 National Park Service archeologists conducted limited excavations of sites imperiled by shoreline erosion on Shackleford Banks, a barrier island at Cape Lookout National Seashore. Zooarchaeological analysis of fauna remains from some of these sites have produced new data related to coastal Woodland and Historic subsistence on North Carolina barrier islands.

**Wright, Alice** (Appalachian State University, wrightap2@appstate.edu)

[A Ritual Gathering...] *Scholar, Mentor, Pioneer: Cheryl Claassen's Contributions to Southeastern Archaeology*

For more than four decades, Dr. Cheryl Claassen has conducted pioneering archaeological research across Eastern North America. Through her remarkable body of published work, she has changed the terms of debates about subsistence, ritual, and gender in the pre-Columbian world and has developed a feminist vision of the past that has inspired a new generation of scholarship. As Cheryl retires from Appalachian State University, where she has worked since 1983, we look back on her remarkable career, review her contributions as a researcher, colleague, and educator, and introduce the papers to follow.

**Younger-Mertz, Stewart** (University of Oklahoma, stewart.b.youngermertz-1@ou.edu), **Quentin Lemasson** (Centre de Recherche et de Restauration des Musées de France), **Laurent Pichon** (Centre de Recherche et de Restauration des Musées de France), **Brice Moignard** (Centre de Recherche et de Restauration des Musées de France), **Amanda Regnier** (Oklahoma Archaeological Survey), **Claire Pacheco** (Centre de Recherche et de Restauration des Musées de France), **Robert Brooks** (Oklahoma Archaeological Survey), **Lee Bement** (Oklahoma Archaeological Survey), **Marjorie Duncan** (Oklahoma Archaeological Survey), **Richard Drass** (Oklahoma Archaeological Survey), and **Susan Vehik** (University of Oklahoma)


Fluorine diffusion dating (FDD) of chert artifacts via nuclear reaction analysis (NRA) is an underdeveloped dating method. FDD holds enormous potential as a relative dating method for siliceous artifacts, and could develop into a reliable absolute method at some point in the future. However, NRA, and other ion beam analytical techniques (IBA), remain relatively esoteric in the archaeological community. As a result, very little time or resources have been allocated to the development of FDD. The results of preliminary IBA of archaeological chert materials from a range of time periods (Paleoindian-Protohistoric) are presented herein, supporting the validity of FDD.

**Zierden, Martha A.** (The Charleston Museum, mzierden@charlestonmuseum.org), **Barnet A. Pavao-Zuckerman** (University of Maryland), **Elizabeth J. Reitz** (University of Georgia), and **Bruce L. Manzano** (University of Kentucky)
Excavations at the c. 1772 Heyward-Washington House in Charleston, South Carolina in the 1970s produced a rich and diverse archaeological assemblage spanning the 18th and 19th centuries. Faunal remains included bones from a large member of the parrot family (Psittacidae). Identification was hampered by lack of comparative specimens, though recent work at the National Museum of Natural History suggests the bird was a blue-fronted amazon. The bones remain an inexact fit and their study continues. The parrot leads to a discussion of captive birds in early Charleston, the city’s international trade networks, and the eclectic interests of the city’s residents.