63rd Annual Midwest Archaeological Conference

October 10-12th, 2019
Mankato, Minnesota
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Organizer’s acknowledgments
The organizer wishes to gratefully acknowledge the efficient and patient help of John Doershuk, Eve Hargrave, Angela Collins, Brian Nicholls, Mark Schurr, and Andy Brown. Jenna Burds designed the logo. I also thank the staffs of the Mankato Civic Center, the Hilton Garden Inn, and the City Center Hotel for their rapid responses and flexibility in accommodating the planning.

Time to organize this conference was granted as part of a sabbatical leave supported by the Department of Anthropology and the College of Social and Behavioral Sciences at Minnesota State University, Mankato.

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An Organization Dedicated to Promoting Archaeological Research and Interpretation in Minnesota.
www.mnarcheology.org
The Illinois Archaeological Survey proudly supports the Midwest Archaeological Conference. We are a society of professional archaeologists, and other technical professionals, dedicated to identifying and preserving important archaeological resources throughout the state of Illinois. We are also a partner organization supporting the Coalition for American Heritage.
Welcome to the beautiful Minnesota River Valley and the city of Mankato! We are here in the homelands of many Native groups, including the Ioway and Dakota peoples. The name of the city is an anglicization of the Dakota place-name, “Mahkato”, meaning “Blue Earth”, and refers to numerous deposits of blue-green clays from Ordovician and Pleistocene times found along the Minnesota and Blue Earth Rivers, as well as in isolated locations as far away as Red Wing, on the Cannon River. The blue clay is sacred to Dakota people.

The peace of this place was disturbed by the largest mass-execution in US History, when 38 Dakota were hung from a single scaffold mere steps from the Civic Center in 1862, as one of the outcomes of the US/Dakota war. Part of the site of the hangings is now Reconciliation Park, across the street from the conference site, and the reconciliation movement has had a home here for more than 30 years.

Today, Mankato is a rapidly-growing community, and is frequently voted among the most livable cities in the Midwest. In the downtown area around the Civic Center you will find many lively restaurants and bars. Please go and enjoy them!
MANKATO
CIVIC CENTER

Second Floor

247
246A
246B
241
243
279B
279A

2nd Floor Balcony
2nd Floor Club

First Floor

Grand Hall Loading Dock

Arena Loading Dock

Arena

Banquet Hall
Reception Hall

Grand Hall Entrance

1st Floor Lobby

8

N (ish)
List of Events

Registration
Registration and conference help will be available from 8:00 a.m. to 4:00 p.m. Thursday, Friday, and Saturday at the Registration Desk in the 2nd floor lobby of the Civic Center.

Excursions
Bus Trip to Pipestone National Monument and Jeffers Petroglyphs State Park
Thursday, October 10
Assemble by 8:00 a.m. at the Mankato Civic Center Main Entrance on Hickory Street

Meetings
MAC Inc., Board of Directors Lunch Meeting
Friday, October 11
11:30 – 1:00 p.m. Mankato Hilton Garden Inn Meeting Room 301

Council for Minnesota Archaeology Meeting
Saturday, October 12
3:00 – 4:00 p.m. Mankato Civic Center Room 245B

MAC Inc., Business Meeting and Awards Ceremony
Saturday, October 12
3:30 – 4:30 p.m. Mankato Civic Center Room 243

Receptions
Early-Bird reception, Wednesday, October 9
4:00 – 7:00 p.m. LocAle, 228 Poplar St., Mankato, MN
2 free beers to each registered attendant, food truck on hand

Evening reception, Thursday, October 10
5:00 – 7:00 p.m. Mankato Civic Center Reception Hall
Substantial Appetizers and Cash Bar

Evening reception, Friday, October 11
5:00 – 7:00 p.m. Mankato Civic Center Reception Hall
Substantial Appetizers and Cash Bar

Evening reception, Saturday, October 12
5:00 – 9:00 p.m. Mankato Civic Center Grand Hall Club
Substantial Appetizers and Cash Bar
Brief Schedule

Wednesday, October 9th
4:00 – 7:00 p.m. Early Bird Reception
LocAle, 228 Poplar St., Mankato, MN

Thursday, October 10th
8:00 a.m. – 5:00 p.m. Tour
Pipestone National Monument and Jeffers Petroglyphs State Park
5:00 – 7:00 p.m. Evening Reception
Reception Hall, Civic Center

Friday, October 11th
9:00 - 11:30 a.m. Symposium Room 241
A Legacy in Place: Minnesota’s Statewide Survey of Historical and Archaeological Sites
9:00 - 11:30 a.m. Sponsored Symposium Room 243
Ceremonial Situations in the North American Midcontinent: Perspectives from the Middle Woodland Era
9:00 - 10:00 a.m. General Session Room 245a
New Data from Old Collections
9:30 - 11:30 a.m. General Poster Session Room 279a
Settlement/Landscape and Artifact Studies
9:30 - 11:30 a.m. General Poster Session Room 279b
Technology in Archaeology 1
10:15 - 11:45 a.m. General Session Room 245a
Toward an Engaged Archaeology
12:00 - 1:00 p.m. Student Workshop Room 245b
Geophysical Methods
12:00 – 1:30 p.m.  Lunch Break

1:30 - 3:00 p.m.  Symposium  Room 241
The Dixon Oneota Site, 13WD8, Data from the Third Round of Excavations

1:30 - 4:15 p.m.  Symposium  Room 243
Thinking Globally, Digging Locally: Guy Gibbon’s Contributions to Archaeology

1:30 - 2:30 p.m.  General Session  Room 245a
Studies in Historical Archaeology

1:30 - 3:30 p.m.  Workshop  Room 245b
Developing an Effective Anti-harassment MAC Culture

1:30 - 3:30 p.m.  Poster Symposium  Rooms 279a, b
Living Landscapes: Growing Communities and Crops in the Lower Illinois River Valley

3:15 - 4:30 p.m.  General Session  Room 241
Oneota, Plains Village, and Middle Mississippian Studies

5:00 - 7:00 p.m.  Evening Reception  Reception Hall, Civic Center

Saturday, October 12th

9:00 - 11:30 a.m.  Symposium  Room 241
Native American Perspectives on Archeological Practice in the Midwest

9:00 a.m. - 12:00 p.m.  General Session  Room 243
Applications of Advanced Technology in Archaeology

9:00 - 10:30 a.m.  General Session  Room 245a
People, Settlements, and Landscapes
9:00 - 10:00 a.m.  General Session  Room 245b
Studies of Death and Burial

9:30 - 11:30 a.m.  General Poster Session  Room 279a
Technology in Archaeology 2

9:30 - 11:30 a.m.  General Poster Session  Room 279b
Archaeological Practice and Bioarchaeology

10:15 - 11:45 a.m.  Symposium  Room 245b
Ritual as Function and Process in Midcontinental Pit Features

10:45 - 11:45 a.m.  Symposium  Room 245a
Archaeology of Minnesota's Red Rock Ridge

12:00 - 1:30 p.m.  Lunch Break

1:30 - 3:15 p.m.  General Session  Room 241
Studies in Tool Use, Manufacturing, and Type

1:30 - 3:00 p.m.  General Session  Room 243
Plants, Animals, and People

1:30 - 3:00 p.m.  Workshop  Room 245a
Radiocarbon Dating in the Midwest: Review and Recommendations

1:30 - 3:30 p.m.  General Poster Session  Room 279a
Historical Archaeology

3:00 - 4:00 p.m.  Meeting  Room 245b
Council for Minnesota Archaeology Meeting

3:30 - 4:30 p.m.  Meeting  Room 243
MAC, Inc., Business Meeting and Awards Ceremony

5:00 - 9:00 p.m.  Evening Reception  Grand Hall, Civic Center
Detailed Schedule

Thursday, October 10th

5:00 – 7:00 p.m. Thursday Evening Reception
Reception Hall, Mankato Civic Center

Friday, October 11th

9:00 a.m. – 12:00 p.m. Friday: MAC Sponsored Symposium
Ceremonial Situations in the North American Midcontinent:
Perspectives from the Middle Woodland Era
Chairs: Edward R. Henry and G. Logan Miller
Room 243

9:00 a.m. Assembling People, Earth, and Things: Understanding Middle Woodland Ceremonial Situations in the Midcontinent
Edward R. Henry (Department of Anthropology and Geography, Colorado State University), G. Logan Miller (Department of Sociology and Anthropology, Illinois State University)

9:15 a.m. Documenting Ceremonial Situations and Institutional Change at Middle Woodland Geometric Enclosures in Central Kentucky
Edward R. Henry (Department of Anthropology and Geography, Colorado State University), Andrew M. Mickelson (Department of Earth Sciences, University of Memphis), Michael Mickelson (Department of Physics and Astronomy, Denison University)

9:30 a.m. The Scioto Situation and the Steel Group Monument Assemblage
Timothy D. Everhart (University of Michigan)

9:45 a.m. A Situational Perspective on Hopewell Mound 2
Bretton T. Giles (Kansas State University), Brian M. Rowe (University of Memphis), Ryan M. Parish (University of Memphis)

10:00 a.m. Break

10:15 a.m. Bladelets and Middle Woodland Situations in Southern Ohio
G. Logan Miller (Illinois State University)
10:30 a.m. The Hopewell Situation in the Lower Illinois Valley: Whose Situation Is It?
Jason L. King (Center for American Archeology), Jane E. Buikstra (Arizona State University)

10:45 a.m. Middle Woodland Celebrations of Life and Death at the Mann Site, Indiana
Michael Strezewski (University of Southern Indiana), Staffan Peterson (National Park Service)

11:00 a.m. Discussant
Sarah Baires (Eastern Connecticut State University)

11:15 a.m. Discussant
Jim Brown (Retired)

11:30 a.m. Open Discussion (extended time)

9:00 – 11:30 a.m. Friday: Symposium
A Legacy in Place: Minnesota's Statewide Survey of Historical and Archaeological Sites
Organizer: Scott F. Anfinson
Room 241

9:00 a.m. Minnesota’s Statewide Archaeological Survey: the First Ten Years
Scott F. Anfinson (Minnesota State Archaeologist, Retired)

9:15 a.m. A New and Improved Precontact Ceramic Handbook for Minnesota
George R. Holley (Minnesota State University Moorhead), Edward Fleming (Science Museum of Minnesota)

9:30 a.m. Investigations of Early Aspect of Historic Fort Snelling
Michelle M. Terrell (Two Pines Resource Group)

9:45 a.m. Archaeological Surveys of Dakota and Wadena Counties, Minnesota
Edward Fleming (Science Museum of Minnesota), Jasmine Koncur (Science Museum of Minnesota), Joshua Anderson (Science Museum of Minnesota)

10:00 a.m. Break

10:15 a.m. Toby Morrow's Legacy: Stone Tools of Minnesota
Nurit Goldman Finn (Wapsi Valley Archaeology)
10:30 a.m.  Archaeology and the Cultural Landscape in Pope County, Minnesota  
David Maki (Archaeo-Physics), Kent Bakken, Sigrid Arnott (Sigrid Arnott Consulting)

10:45 a.m.  Minnesota’s Statewide Survey: the Next 15 Years  
Patricia Emerson (Minnesota Historical Society), Bruce Koenen (Office of the Minnesota State Archaeologist), Scott Anfinson (Minnesota State Archaeologist, Retired)

11:00 a.m. Archaeological Investigations All Over the Place: Some Observations from Nearly a Decade of Minnesota Statewide Survey Initiatives  
Adrien Hannus (Augustana University), Austin Bhuta (Augustana University)

11:15 a.m. Examining the Minnesota State Radiocarbon Database: Why this was Valuable  
Linda Scott Cummings (PaleoResearch Institute), R. A. Varney (PaleoResearch Institute)

9:00 – 10:00 a.m. Friday: General Session  
New Data from Old Collections  
Chair: Melody Pope  
Room 245a

9:00 a.m. Ceramic Analysis of Casas Grandes Vessels at the Milwaukee Public Museum  
Samantha Bomkamp (University of Wisconsin-Milwaukee)

9:15 a.m. Disentangling the Late Pre-Contact Native History of Northern Illinois: Ongoing Research in the Legacy Collections of the Fisher Mound and Village Site, Will County, Illinois.  
Thomas E. Emerson (Illinois State Archaeological Survey, University of Illinois), Kristin M. Hedman (Illinois State Archaeological Survey, University of Illinois), and Kjersti E. Emerson (Illinois State Archaeological Survey, University of Illinois)

9:30 a.m. Same Artifacts Same Conclusions? Using Legacy Collections to Better Understand Settlement Patterns in the Upper Midwest  
Sara Pfannkuche (University of Wisconsin-Milwaukee, Midwest Heritage Resource Consultants)
9:45 a.m.  The Glenn A. Black Laboratory of Archaeology is Rehousing Angel Mounds!
Melody Pope (IU Glenn A. Black Laboratory of Archaeology),
April Sievert (IU Glenn A. Black Laboratory of Archaeology)

9:30 – 11:30 a.m. Friday:  General Poster Session
Settlement/Landscape and Artifact Studies
Room 279a

1  “If it’s a Good Place to Camp…”
Sean Dunham (Chippewa National Forest)

2  Rehabilitating the 1974-1976 Silvernale Site Collection
Mara Taft (Science Museum of Minnesota), Edward Fleming
(Science Museum of Minnesota)

3  Copper Awls and Archaeological Classification
Robert Ahlrichs (University of Wisconsin-Milwaukee)

4  Monks Mound Red in the Northern Hinterlands: Raw Materials and the Spread of Mississippian Slip Technology
Margaret Beck (University of Iowa), Jeffrey Ferguson
(University of Missouri), Brandi MacDonald (University of Missouri)

5  A Story of Fires and People on Star Island in Cass Lake, MN
Kurt F. Kipfmueller (Department of Geography, Environment, & Society, University of Minnesota), Cait Bell (Department of Geography, Environment, & Society, University of Minnesota), Sean Dunham (Chippewa National Forest)

6  Sand Lake and the Context of Late Prehistoric Agriculture in the Upper Mississippi Valley
Robert F. Sasso (University of Wisconsin-Parkside)

9:30 – 11:30 a.m. Friday:  General Poster Session
Technology in Archaeology 1
Room 279b

1  From Lower Town to St. Cloud State: Geophysical Survey of an Evolving Urban Landscape 1869 -2019
Mike Penrod (St. Cloud State University), Jonathan Corbin (St. Cloud State University), Veronica Parsell (Cardno Inc.), Rob Mann (St. Cloud State University)
2 Investigations into Aztalan’s Northeast Mound: the 2019 UWM Archaeological Field School at Aztalan
John D. Richards (University of Wisconsin-Milwaukee), Eric E. Burant (University of Wisconsin-Milwaukee), Megan E. Thornton (University of Wisconsin-Milwaukee)

3 Making Sense of Ohio’s State Historic Preservation Office's Data with Maximum Entropy Modeling
Patrick Druggan (Pennsylvania State University)

4 Subsurface Imaging of a Late Woodland Effigy Mound Site: Lake Koshkonong Effigy Mounds, Wisconsin
Matthew J. Mangin (University of Wisconsin-Eau Claire), Harry Jol (University of Wisconsin-Eau Claire), Samuel G. Schneider (University of Wisconsin-Eau Claire)

10:15 – 11:45 a.m. Friday: General Session
Toward an Engaged Archaeology
Chair: Heather Walder
Room 245a

10:15 a.m. Last Interviews with Myles Donnelly Goddard on the Shepard Site at Little Senachwine Creek
Mark L. Madsen (Member of C.A.S., S.S.A.S., and I.A.A.A.)

10:30 a.m. Creative Approaches for Site Avoidance in the Center Creek Archaeological District
Amber C. Javers (Burns & McDonnell Engineering Company)

10:45 a.m. Connecting People, Past and Present: Collaborative Archaeology in Red Cliff, WI (Part 1)
Heather Walder (University of Wisconsin-La Crosse), Marvin DeFoe (Red Cliff Tribal Historic Preservation Office), John L. Creese (North Dakota State University)

11:00 a.m. Connecting People, Past and Present: Collaborative Archaeology in Red Cliff, WI (Part 2)
John L. Creese (North Dakota State University), Marvin Defoe (Red Cliff Tribal Historic Preservation Office), Heather Walder (University of Wisconsin-LaCrosse)

11:15 a.m. A New Early Woodland Occupation Site at the Confluence of the Illinois and Mississippi Rivers
Andrew Martin (Principia College)
11:30 a.m. Bears, Buffalos, Lady Falling from the Sky—Oh My!
George Horton (Iowa Archeological Society, Independent Scholar)

12:00 – 1:00 p.m. Friday: Student Workshop
Geophysics: Tools to Aid in Noninvasive Archaeological Investigations
Room 245b, followed by practical work in nearby Washington Park

12:00 p.m. Magnetic Susceptibility
Rinita Dalan (Minnesota State University, Moorhead)

12:15 p.m. Ground Penetrating Radar
Harry M Jol (Department of Geography and Anthropology)

12:30 p.m. Magnetometry
Donald W. Johnson (Retired)

12:45 p.m. Resistivity
Donald W. Johnson (Retired)

1:30 – 3:00 p.m. Friday: Symposium
The Dixon Oneota Site, 13WD8, Data from the Third Round of Excavations
Chair: Mark L. Anderson
Room 241

1:30 p.m. The Dixon Site (13WD8): an Introduction and Overview
Mark L. Anderson (University of Iowa Office of the State Archaeologist)

1:45 p.m. Dixon Site and Setting
Bryan Kendall (University of Iowa Office of the State Archaeologist)

2:00 p.m. Tobacco, Bulbs, and Other New Plant Finds from the Dixon Site (13WD8)
Leslie L. Bush (Macrobotanical Analysis)

2:15 p.m. Food, Feathers, and Animal Symbolism: Fauna from the Dixon Site (13WD8)
Cherie Haury Artz (University of Iowa Office of the State Archaeologist)

2:30 p.m. Mortuary Practice and the Oneota Tradition: a Case Study from the Dixon Site (13WD8)
19

Lara K. Noldner (University of Iowa Office of the State Archaeologist)

2:45 p.m.  Project Consultation and Preservation at the Dixon Site (13WD8)  
Brennan J Dolan (Iowa DOT)

3:00 p.m.  An Overview of the Lithic Assemblage from the 2016-2017 Excavations at the Dixon Site, 13WD8  
Mark L. Anderson (University of Iowa Office of the State Archaeologist)

1:30 – 4:15 p.m. Friday: Symposium  
Thinking Globally, Digging Locally: Guy Gibbon’s Contributions to Archaeology  
Chair: Scott F. Anfinson  
Room 243

1:30 p.m.  The End of Prehistory: the Dakota at Lake Mille Lacs  
Scott F. Anfinson (University of Oslo)

1:45 p.m.  Bridging the Gulf: Guy Gibbon and the Conflicts of Archaeological Theory  
Michael Michlovic (Minnesota State University Moorhead)

2:00 p.m.  Guy Gibbon’s Legacy at the University of Minnesota  
Katherine Hayes (University of Minnesota), Tom Trow (University of Minnesota, Retired)

2:15 p.m.  Zooarchaeology of a Bear Feast: the Crace Site (21ML3) in the Kathio National Historic Landmark District  
David Mather (Minnesota State Historic Preservation Office)

2:30 p.m.  Remembering and Revisiting Mallard: a Minnesota Lumber Town  
Michelle M. Terrell (Two Pines Resource Group)

2:45 p.m.  A Re-analysis of Correctionville Oneota Prehistory  
Dale R. Henning (Research Associate, Illinois State Museum)

3:00 p.m.  Break

3:15 p.m.  The Oneota Fringe in the Northwest: Creolization, Hybridization, or Just Oneota?  
George R. Holley (Minnesota State University Moorhead)

3:30 p.m.  Expanding the View of the Sheffield Site on the St. Croix: Investigations by the Science Museum of Minnesota  
Edward Fleming (Science Museum of Minnesota)
3:45 p.m.  Central Place Foraging and Exchange in the Western Division of the Initial Middle Missouri
Craig M. Johnson (PaleoCultural Research Group)

4:00 p.m.  45 Years Later: Gibbon’s Red Wing Models and Their Place in Research Today
Ronald C. Schirmer (Minnesota State University, Mankato)

1:30 – 2:30 p.m. Friday: General Session
Studies in Historical Archaeology
Chair: Staffan Peterson
Room 245a

1:30 p.m.  Lost and Found: Identifying Ephemeral Mining Sites at Isle Royale National Park by Reconstructing Government Land Office Survey Paths in GIS
Andrew Anklam (Michigan Technological University, Isle Royale National Park), Seth DePasqual (Isle Royale National Park)

1:45 p.m.  Eighteenth Century Trade and Politics of the Potawatomi of the St. Joseph & Kankakee River Valleys
Jessica Yann (Michigan State University)

2:00 p.m.  Preliminary Analysis of the Walker Slough Site, A Multi-Component Site in Northwest Illinois
Addison P. Kimmel (University of Iowa), Steven A. Katz (Atwell LLC)

2:15 p.m.  Historical Archaeology of a Swedish Pioneer Homestead and the US-Lakota War of 1861
Staffan Peterson (National Park Service)

1:30 – 3:30 p.m. Friday: Workshop
Developing an Effective Anti-harassment MAC Culture
Organizer: John F. Doershuk
Room 245b

1:30 p.m.  Introduction, Background, and Context
John F. Doershuk (University of Iowa Office of the State Archaeologist)

1:45 p.m.  Extended Discussion
Panelists: Heather Walder (University of Wisconsin-LaCrosse), April K. Sievert (Indiana University), Brian D. Nicholls (University of Wisconsin-Milwaukee)
1:30 – 3:30 p.m. Friday: Poster Symposium

Living Landscapes: Growing Communities and Crops in the Lower Illinois River Valley
Organizer: Jason L. King
Rooms 279a and 279b

1 Testing the Soil Preferences of Erect Knotweed (Polygonum erectum) in a Common Garden Experiment
Megan E. Belcher (University of Tennessee-Knoxville),
Daniel R. Williams (Ohio State University), Natalie G. Mueller
(Washington University in St. Louis)

2 Using Paleoethnobotanical Data to Put the Prairie Back into “The Prairie State”
Kirsten Nafziger (Vanderbilt University)

3 Reanalysis of Chipped-Stone Artifacts at the Kamp Mound Group (11C12)
Caleb Blair (Cornell College), Jason King (Center for American Archeology)

4 Using Elevation and the Floodplain to Analyze the Settlement and Abandonment of Sites in the Lower Illinois River Valley
Danielle Duguid (University at Albany, SUNY)

5 Using Magnetometry to Identify Late Woodland Pit and House Features
Claire L. Hankla (Smith College), Jacob Lulewicz (Washington University in St. Louis), Jason L. King (Center for American Archeology)

6 Cooking in a Lost Kitchen
Zoe Blair (Wichita State University), Natalie G. Mueller
(Washington University in St. Louis)

7 Putting Mound House on the Map: Comparing Magnetometry and Excavation
Patricia A. Mathu (University of Texas at Dallas), Jason L. King (Center for American Archeology)

8 Paleoethnobotanical Primary Analysis of German Site
Chloe K. Butcher (Allegheny College), David Ruiz Menjivar (University of Florida), Megan Belcher (University of Tennessee Knoxville), Natalie G. Mueller (Washington University)
Anthropological STEM Research Experiences at the Center for American Archeology

Jason L. King (Center for American Archeology), Jane E. Buikstra (Arizona State University), Natalie G. Mueller (Washington University in St. Louis), Jacob Lulewicz (Washington University in St. Louis), Andrew Flachs (Purdue University), and Daniel Williams (Ohio State University)

3:15 – 4:30 p.m. Friday: General Session
Oneota, Plains Village, and Middle Mississippian Studies
Chair: Seth A. Schneider
Room 241

3:15 p.m. Caddo or Cahokian? Stylistic and Compositional Analysis of a Fine-Engraved Vessel from Northwest Iowa
William Green (University of Iowa and Beloit College), George R. Holley (Minnesota State University Moorhead), James B. Stoltman (University of Wisconsin-Madison), Joseph A. Tiffany (University of Iowa), and Cynthia Strong (Cornell College)

3:30 p.m. Chronology for Mississippian and Oneota Occupations at Aztalan and the Lake Koshkonong Locality
Anthony Krus (University of South Dakota), John Richards (University of Wisconsin-Milwaukee), Robert Jeske (University of Wisconsin-Milwaukee)

3:45 p.m. Recent Work at Southern Minnesota’s Blue Earth Locality
Douglas Kullen (Burns & McDonnell Engineering Company)

4:00 p.m. Known, but Not Known: the Oneota Component at the Crab Apple Point site on Lake Koshkonong
Seth A. Schneider (University of Wisconsin-Milwaukee), Philip G. Millhouse (Red Gates Archaeology)

4:15 p.m. The Cambria Focus – Again
Michael Scullin (Midwest Ethnohorticulture)

5:00 – 7:00 p.m. Friday Evening Reception
Reception Hall, Mankato Civic Center
Saturday, October 12th

9:00 – 11:30 a.m. Saturday: Symposium
Native American Perspectives on Archeological Practice in the Midwest
Chair: Ronald C. Schirmer
Room 241

9:00 a.m. Above and Beyond: Collaboration between the Office of the State Archaeologist and Minnesota Indian Affairs Council
Amanda Gronhovd (Minnesota Office of the State Archaeologist), Melissa Cerda (Minnesota Indian Affairs Council)

9:15 a.m. Know Ye that the Foxes are Immortal - Pemousa, Siege at Detroit, 1712
Johnathan L. Buffalo (Meskwaki Nation, Historic Preservation Director), D. Suzanne Buffalo (Meskwaki Nation, and Iowa OSA Indian Advisory Council member)

9:30 a.m. The Ioway Indians in Minnesota
Lance M. Foster (Iowa Tribe of Kansas and Nebraska)

9:45 a.m. Unsettling Archaeology and Integration of Indigenous Heritage
Kevin Brownlee (Manitoba Museum)

10:00 a.m. A Dakota THPO's Perspective on Archaeology
Samantha Odegard (Upper Sioux THPO)

10:15 a.m. Break

10:30 a.m. Effigy Mounds National Monument's Disgrace
Albert M. LeBeau III (Cultural Resource Program Manager, National Park Service, Effigy Mounds National Monument)

10:45 a.m. A Perspective from Red Cliff
Marvin Defoe (Red Cliff Tribal Historic Preservation Office)

11:00 a.m. Discussant: Working Together: is the Process More Important than the Product?
Larry J. Zimmerman (Indiana University-Purdue University Indianapolis)

11:15 a.m. Discussant
Dale R. Henning (Research Associate, Illinois State Museum)
9:00 a.m. – 12:00 p.m. Saturday: General Session
Applications of Advanced Technology in Archaeology
Chair: Colin Betts
Room 243

9:00 a.m. In Search of the Elusive “East Fork (Gridiron) Earthwork” in Ohio
Mark L. Madsen (Member of the C.A.S., S.S.A.S., and I.A.A.A.)

9:15 a.m. Multi-Instrument Geophysical Survey of Two Bird Effigy Mounds in Allamakee County, Iowa.
Colin Betts (Luther College)

9:30 a.m. Pump Up The Volume: Aerial and Drone Based LiDAR Point Cloud Comparisons at Angel Mounds (12VG1)
Christina Friberg (Indiana University Bloomington), David Massey (Indiana University Bloomington), Quinn Lewis (Indiana University Bloomington), Edward Herrmann (Indiana University Bloomington)

9:45 a.m. Peter Village and the Production of Space: New Research at an Unusual Enclosure in Central Kentucky
Carly DeSanto (Department of Anthropology and Geography, Colorado State University), Edward R. Henry (Center for Research in Archaeogeophysics & Geoarchaeology (CRAG), Colorado State University)

10:00 a.m. Investigating the Accuracy of 3D-Photogrammetry in Relation to Artifacts
Nicolette Pegarsch (University of Wisconsin-La Crosse)

10:15 a.m. Break

10:30 a.m. Habitation and Interaction at the German Site (11C377)
Zoe Doubles (University of Louisville), Alana Surowiec (Center for American Archeology), Tania Milosavljevic (University of Wisconsin-Milwaukee), Anna Lockhart (Vassar College), Jason L. King (Center for American Archeology), Jane E. Buikstra (Arizona State University)

10:45 a.m. Bison in Wisconsin Archaeology: Perspectives from GIS Modeling
Andrew M. Saleh
11:00 a.m. When is a Mound a Mound?: a Geoarchaeological Perspective
Harry M Jol (Department of Geography and Anthropology, University of Wisconsin-Eau Claire), Garry L. Running IV (Department of Geography and Anthropology, University of Wisconsin-Eau Claire)

11:15 a.m. Magnetic Susceptibility Reconnaissance at the Tobias Site
Geoffrey Jones (Archaeo-Physics LLC), Nikki Klarmann (Kansas Historical Society/Michigan State University)

11:30 a.m. New Views of Sacred Landscapes: Geophysical and Remote Sensing of Earthworks Sites in the Upper Midwest
Geoffrey Jones (Archaeo-Physics LLC)

11:45 a.m. MnModel Phase 4: Building an Updated Archeological Predictive Model for the State of Minnesota
Andrew A. Brown (EARTH Systems Laboratory, Minnesota State University Mankato), Alec Anton (Department of Anthropology, Minnesota State University Mankato), Elizabeth Hobbs (EARTH Systems Laboratory, Minnesota State University Mankato)

9:00 – 10:30 a.m. Saturday: General Session
People, Settlements, and Landscapes
Chair: Susan C. Mulholland
Room 245a

9:00 a.m. Woodland Period Settlement Succession in the Middle Scioto Valley: Phase III Investigations at the Columbus Southerly Sites, Franklin County, Ohio
Kevin R. Schwarz (ASC Group, Inc.)

9:15 a.m. Taking Directions from Blood Run
George W. Shurr (GeoShurr Resources)

9:30 a.m. Expanding Huber: Recent Findings from Northern Illinois Reveal New Aspects of Protohistoric Lifeways and Environment
Madeleine McLeester (University of Notre Dame), Mark R. Schurr (University of Notre Dame), Terrance Martin (Illinois State Museum)

9:45 a.m. Results of Geomorphological and Phase II Archeological Investigations at 13AM615, Allamakee County, Iowa.
Jared A. Langseth (Bear Creek Archeology, Inc.)

25
10:00 a.m.  Archaeology of the Reservoir Lakes, Northeastern Minnesota  
Susan C. Mulholland (Duluth Archaeology Center)

10:15 a.m.  The Emergence of Meaning Through Place at Two Late Cahokian Sites  
Erin M. Benson (University of Illinois at Urbana-Champaign)

9:00 – 10:00 a.m. Saturday:  General Session
Studies of Death and Burial  
Chair: Kathleen T. Blue  
Room 245b

9:00 a.m.  “Of Little Archaeological Value”: the Remains of the “Unknown 15” Lost and Found  
Jennifer E. Mack (University of Iowa Office of the State Archaeologist)

9:15 a.m.  Late Woodland "Battle" at Koster Mounds? Evidence from Paleopathology  
Della Collins Cook (Indiana University)

9:30 a.m.  Scioto Hopewell Souls and Intercommunity Alliance-Making: Three World-View Metaphors that Scioto Hopewell Peoples Lived  
Christopher Carr (Arizona State University)

9:45 a.m.  Osteological Analysis of a Possible Archaic Burial from Clay County, MN  
Kathleen T. Blue (Minnesota State University, Mankato)

9:30 – 11:30 a.m. Saturday:  General Poster Session
Technology in Archaeology 2  
Room 279a

1  When Old Maps Meet New Tech: Exploring Northern Wisconsin’s “Indian Trails”  
William M. Balco (University of North Georgia), Eric E. Burant (University of Wisconsin-Milwaukee)

2  Aerial Thermography at Two Historic Sites in Iowa  
Angela R. Collins (University of Iowa Office of the State Archaeologist)

3  Examining Village Space in the Spring Creek Valley: Organizing Spatial Data from the Burnside School Site  
Edward Fleming (Science Museum of Minnesota), Jasmine Koncur (Science Museum of Minnesota)
4 MnModel Phase 4: Building an Updated Historic Hydrographic Model for the State of Minnesota
Alec Anton (Minnesota State University, Mankato), Andy Brown (EARTH Systems Laboratory, Minnesota State University Mankato), and Elizabeth Hobbs (EARTH Systems Laboratory, Minnesota State University Mankato)

5 Geophysical Investigations of the Kiwanis Site, Lower Chippewa River Valley, Wisconsin
Luke Burds (Minnesota State University, Mankato), Richard Mataitis (Minnesota State University, Mankato), Ronald C. Schirmer (Minnesota State University, Mankato), Phillip H. Larson (Minnesota State University, Mankato), Garry L. Running IV (University of Wisconsin-Eau Claire), Brittany Rickey (University of Wisconsin-Eau Claire), Matthew Mangin (University of Wisconsin-Eau Claire), Eric Drost (University of Wisconsin-Eau Claire)

9:30 – 11:30 a.m. Saturday: General Poster Session
Archaeological Practice and Bioarchaeology
Room 279b

1 Campus as Laboratory: an Oral History of MSU’s Campus Archaeology Program
Autumn M. Painter (Michigan State University), A.L. McMichael (Michigan State University)

2 Not Always Rainbows and Unicorns…(A Brief Introduction to Biological Hazards in the Field)
Steven A. Katz (Atwell, LLC), Elizabeth Wilk (EBI Consulting), Lucas Howser (Midwest Archaeological Research Services)

3 Transportation Solutions for Archaeological Sites Affected by Erosion
Brennan J Dolan (Iowa DOT)

4 Experiential Learning – Taking the Archaeological Experience Online
Elizabeth K. Johnson (Associate Dean, Southern New Hampshire University)

5 Assessment of Mortuary Data at the Williams Cemetery (33-WO-7A)
Laura M. Bossio (University of Michigan)
10:15 – 11:45 a.m. Saturday: Symposium
Ritual as Function and Process in Midcontinental Pit Features
Chair: Deniz Kaya
Room 245b

10:15 a.m.  Ritual Contexts from Oneota Sites in La Crosse, Wisconsin
Constance Arzigian (Mississippi Valley Archaeology Center, University of Wisconsin-La Crosse), James Theler (Mississippi Valley Archaeology Center, University of Wisconsin-La Crosse)

10:30 a.m.  Layering the Cosmos: Structured Deposits and Stratified Pits in Late Precontact Northern Ohio
Brian G. Redmond (Cleveland Museum of Natural History)

10:45 a.m.  Powerful Substances in Special Pits at 11th Century Shrine Complexes
Timothy R. Pauketat (ISAS University of Illinois), Susan M. Alt (Indiana University)

11:00 a.m.  Pits as Place: an Exploration of the Socio-Cultural Significance of Cache Pits
Sean Dunham (Chippewa National Forest)

11:15 a.m.  Reflections of Protohistoric Ritual in Pits at the Huber Phase Middle Grant Creek Site
Mark Schur (University of Notre Dame), Madeleine McLeester (University of Notre Dame)

11:30 a.m.  The State of Ritual in Pits: what can the Pits in Neolithic Thrace Tell Us about Ritual Activities in Midwestern Pits?
Deniz Kaya (University of Notre Dame)

10:45 – 11:45 a.m. Saturday: Symposium
Archaeology of Minnesota's Red Rock Ridge
Chair: Tom Sanders
Room 245a

10:45 a.m.  Introduction: a History of the Red Rock Ridge Research Group
Tom Sanders (Red Rock Ridge Research Group), Joe Williams (Red Rock Ridge Research Group), Tom Ross (Red Rock Ridge Research Group), Bob Larsen (Red Rock Ridge Research Group)
11:00 a.m.  Archaeology on the Red Rock Ridge - 2011-2019 Field Seasons
Brian Hoffman (Hamline University), Thomas Sanders (Red Rock Ridge Research Group), Bob Larsen (Red Rock Ridge Research Group), Joe Williams (Red Rock Ridge Research Group), Forest Seaberg-Wood (Hamline University), Charles Broste (Minnesota Historical Society), and David Tennessen (Hamline University)

11:15 a.m.  Preserving the Carvings at Jeffers Petroglyphs Through Photography
Charles Broste (Red Rock Ridge Research Group)

11:30 a.m.  New Discoveries in Ancient Astronomy on Southwest Minnesota’s Red Rock Ridge
Tom Sanders (Red Rock Ridge Research Group, Hamline University, Minnesota Historical Society, Retired)

1:30 – 3:15 p.m. Saturday:  General Session
Studies in Tool Use, Manufacturing, and Type
Chair:  Dan Wendt
Room 241
1:30 p.m.  Prehistoric Copper Mining as an Industry
Ryan Edward Peterson (Indiana University)

1:45 p.m.  A Study of Prehistoric Mining Hammerstones from Michigan
Katherine Trotter (University of Wisconsin-Madison)

2:00 p.m.  Understating the Construction of Oneota Vessels with Experimental Archaeology
Marina Tingblad (University of Wisconsin-La Crosse)

2:15 p.m.  Oneota Lithic Economy at the Schmeling Site (47JE833) in Southeastern Wisconsin
Megan Harding (University of Wisconsin-Milwaukee)

2:30 p.m.  Technological Choice in Pottery Production at Wickliffe Mounds, Kentucky
Anthony P. Farace (University College London)

2:45 p.m.  Stone Tool Survival Skills on the Minnesota Prairie: the Strategic Choice Between Low Quality Local Materials and Distant Premium Toolstone Sources
Dan Wendt (Minnesota Archaeological Society)
3:00 p.m.  Paleoindian Bifaces to Woodland Blades: Long-term Utilization of the Boundary Waters Canoe Area Wilderness, MN
Mark P. Muñiz (Department of Anthropology, St. Cloud State University)

1:30 – 3:00 p.m. Saturday: General Session
Plants, Animals, and People
Chair: Richard W. Edwards IV
Room 243

1:30 p.m.  Floodplain Cucurbit Dispersal During the Late Woodland ca. 1000 BP: an Example from the Detroit River, Michigan (or) Bill’s Seed
William A. Lovis (Michigan State University), G. William Monaghan (Hayes & Monaghan, Geoarchaeologists, LLC), Daniel R. Hayes (Hayes & Monaghan, Geoarchaeologists, LLC), Kathryn C. Egan-Bruhy (Commonwealth Heritage Group, Inc.)

1:45 p.m.  Food Production in the Border Lakes Region: an Archeological Investigation at Voyageurs National Park
Tim Schilling (NPS-Midwest Archeological Center)

2:00 p.m.  Cooking Up a Common Ground: Vessel Use and Social Interactions at Morton Village
Jeffrey M. Painter (Michigan State University)

2:15 p.m.  Eating and Building in a Time of Conflict: Plant Remains from the Orendorf (11F1284) Site in the Central Illinois River Valley
Kimberly Schaefer (Illinois State Archaeological Survey)

2:30 p.m.  Dog-Human Relationships in the Late Prehistoric Northern Prairie Peninsula
Richard E. Edwards IV (Commonwealth Historical Group, Inc.), Robert Jeske (University of Wisconsin-Milwaukee)

2:45 p.m.  Soil Humic Acids - Applications for Archaeology and Phytolith Analysis
Wendy Munson-Scullin (Midwest Ethnohorticulture)
1:30 – 3:30 p.m. Saturday: Workshop
Radiocarbon Dating in the Midwest: Review and Recommendations
Organizer: Linda Scott Cummings
Room 245a

1:30 p.m.  Radiocarbon Dating Basics, Assumptions, and Exceptions
           Linda Scott Cummings (PaleoResearch Institute)

1:45 p.m.  Freshwater Reservoir Effect (FRE) and the Rhizosphere
           Linda Scott Cummings (PaleoResearch Institute)

2:00 p.m.  Charred Food Crusts and Annuals, Laboratory Techniques to Mitigate FRE
           Linda Scott Cummings (PaleoResearch Institute)

2:15 p.m.  Bones: Bone Collagen, Burned Bones, and Calcined Bone
           Linda Scott Cummings (PaleoResearch Institute)

2:30 p.m.  Summary: Tying It All Together
           Linda Scott Cummings (PaleoResearch Institute)

2:45 p.m.  Questions and Discussion (extended time)
           Linda Scott Cummings (PaleoResearch Institute)

1:30 – 3:30 p.m. Saturday: General Poster Session
Historical Archaeology
Room 279a

1  Talking Trash: Public Health in 19th and 20th Century Bronzeville (Site 11CK1235)
   Noel Hincha (Marquette University)

2  Till Death Do We Part? How Gender and Identity are Preserved in 20th Century Gravemarkers
   Trisha Walker (Minnesota State University, Mankato)

3  2019 Investigations at the Cloudman site (20CH6): New Opportunities for Dating
   Elspeth Geiger (University of Michigan), Eloise Janssen (University of Michigan)

4  Geophysical Investigations of Redeemer Cemetery, Henderson, Minnesota
   Luke Burds (Minnesota State University, Mankato), Ronald C. Schirmer (Minnesota State University, Mankato), Richard Mataitis (Minnesota State University, Mankato), Andrew A. Brown (Minnesota State University, Mankato), Donald W. Johnson (Retired), Alec Anton (Minnesota State University, Mankato)
The Beaded Belt Story: a Fox Nation Timeline
George Horton (Independent Scholar, Iowa Archeological Society)

3:00 – 4:00 p.m. Saturday: Meeting
Council for Minnesota Archaeology
Room 245b

3:30 – 4:30 p.m. Saturday: Business Meeting and Awards Ceremony
Midwest Archaeological Conference, Inc.
Room 243

5:00 – 9:00 p.m. Saturday Evening Reception
Grand Hall, Mankato Civic Center
Notes
Michigan State University Anthropology
Consortium for Archaeological Research

We’re growing and changing for the future!

Dr. Stacey Camp: Historical Archaeology, Public Archaeology, Campus Archaeology Program
Dr. John Norder: Community-based Research, Traditional Knowledge Systems, Landscape
Dr. Jodie O’Gorman: Village Communities, Gender and Feminist Archaeologies, Museums
Dr. Kurt Rademaker: Environmental Archaeology, Settlement of Americas, GIS in Archaeology
Dr. Gabriel Sanchez: Historical Ecology, Applied Zooarchaeology, Community-based Research
Dr. Ethan Watrall: Digital Archaeology, Heritage Studies, Public and Community Archaeology
Dr. Gabriel Wrobel: Bioarchaeology, Archaeology of Caves, Photogrammetry, Morphometrics

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Coming Soon: GIS Lab, Coastal Archaeology and Zooarchaeology Lab

Graduate program applications are due December 1st. Applicants are encouraged to contact faculty and visit. All students accepted into the program receive funding package. For more information, visit anthropology.msu.edu

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Between 2008 and 2012, the largest archaeological excavation ever in eastern North America—the New Mississippi River Bridge Project—was undertaken in Cahokia’s East St. Louis Precinct, revealing significant new details about the processes and history of indigenous American urbanism.

*Revealing Greater Cahokia* contains lots of specifics which more than what the archaeological appetite for delving into the topical companion volumes, but also provides fresh “big” thinking.

—John F. Doershuk, State Archaeologist and Director, University of Iowa Office of the State Archaeologist

*Revealing Greater Cahokia* is an outstanding contribution to our knowledge of one of North America’s great urban centers. It is lavishly illustrated with dozens of photos, maps, charts, and drawings, so that the general reader can grasp the extent of this project and understand Cahokia’s place in the American story.

—American Archaeology book review 2019, 23(3):52

Greater Cahokia actually was one of the largest urban concentrations of people anywhere in the world at that time. This was the lesson we learned from digging Stonehenge—that it’s a small part of a much bigger complex. When I came to visit Cahokia it was very clear that it was the same thing.

—Michael Parker Pearson, Professor of British Later Prehistory, Institute of Archaeology, University College London

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