62nd Annual Midwest Archaeological Conference
October 4–6, 2018
Notre Dame Conference Center
McKenna Hall
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.

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Parking
ndsp.nd.edu/parking-and-trafic/visitor-guest-parking
Visitor parking is available at the following locations:
• Morris Inn (valet parking for $10 per day for guests of the hotel, restaurants, and conference participants. Conference attendees should tell the valet they are here for the conference.)
• Visitor Lot (paid parking)
• Joyce & Compton Lots (paid parking)
During regular business hours (Monday–Friday, 7 a.m.–4 p.m.), visitors using paid parking must purchase a permit at a pay station (red arrows on map, credit cards only). The permit must be displayed face up on the driver’s side of the vehicle’s dashboard, so it is visible to parking enforcement staff. Parking is free after working hours and on weekends. Rates range from free (less than 1 hour) to $8 (4 hours or more).

Campus Shuttles
Registration
McKenna Hall Lobby
Thursday, 12 a.m.–5 p.m.
Friday, 8 a.m.–5 p.m.
Saturday, 8 a.m.–1 p.m.
Information about the campus and its amenities is available from any of the personnel at the desk.

Book and Vendor Room
McKenna Hall 112–114
Thursday, 12–5 p.m.
Friday, 8 a.m.–5 p.m.
Saturday, 8 a.m.–4 p.m.
Vendors and Information Tables
Ball State University, Department of Anthropology and Applied Anthropology Laboratories
Center for Archaeological Investigations, Southern Illinois University Carbondale
Division of Historic Preservation and Archaeology, Indiana Department of Natural Resources
Gustav’s Library
Illinois State Archaeological Survey
Institute for Field Research
Left Coast Press
Register of Professional Archaeologists
St. Cloud State University Cultural Resource Management- Archaeology M.S. Program
University of Notre Dame Press
Wildnote, Inc.
Wisconsin Archaeological Society

Open House and Reception
Department of Anthropology
2nd Floor of Corbett Family Hall
Thursday, 6–8 p.m.
Corbett Family Hall is on the east side of Notre Dame Stadium. The second floor houses the Department of Anthropology, including facilities for archaeology, archaeometry, human osteology, and bioanthropology. The archaeological collections are focused on northwest Indiana. Materials on display will include collections from the Middle Grant Creek site in Illinois. Open to all.

MAC Board Meeting
Quinn Dining Room, Morris Inn
Friday, 11:30 a.m.–1:30 p.m.

Reception and Trivia Contest
Rohr’s, Morris Inn
Friday, 5:30–7:30 p.m.
A chance to enjoy refreshing beverages and abundant hors d’oeuvres, show your knowledge of Midwestern archaeological trivia, and win prizes. Two tickets for beverages are included in the registration packet. A cash bar will be available as well. Pre-registration required.

MAC Business Meeting
Auditorium
Saturday, 5–6 p.m.
Executive Committee
President: Jodie O'Gorman, Michigan State University
President-Elect: John Doershuk, University of Iowa
Treasurer: Brian D. Nichols, University of Wisconsin-Milwaukee
Secretary: Eve A. Hargrave, Illinois State Archaeological Survey
Executive Officer: Mark R. Schurr, University of Notre Dame
Executive Officer: April Severt, Indiana University
MCJA Editor: Thomas E. Emerson, Illinois State Archaeological Survey

Hosted by
Department of Anthropology
University of Notre Dame

Conference Organizers
Mark R. Schurr and Madeleine T. McLeester

Student Paper Competition Committee
Madeleine T. McLeester (Chair), Katherine M. Sterner, and Aaron Comstock

Conference Sponsors
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Ohio Archaeological Council
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Illinois State University, Department of Sociology and Anthropology
Mississippi Valley Archaeology Center, University of Wisconsin-La Crosse
Office of the State Archaeologist, University of Iowa
Purdue University, Department of Anthropology

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Indiana University-South Bend
Logan Museum of Anthropology, Beloit College
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<tr>
<td>2–4 p.m.</td>
<td>2018 MACSponsored Symposium</td>
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<tr>
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<td>Late Prehistoric Landscapes in the Northern Prairie Peninsula</td>
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<td>A Lake Koshkonong Perspective, Auditorium</td>
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<td>6–8 p.m.</td>
<td>Open House and Reception</td>
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<td>Department of Anthropology, 2nd floor of Corbett Family Hall</td>
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**Thursday, October 4**

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**Friday, October 5**

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9 a.m.–12:15 p.m.</td>
<td>Symposium</td>
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<tr>
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<td>Storing Culture: Subterranean Storage in the Upper Midwest, Auditorium</td>
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<tr>
<td>10 a.m.–12 p.m.</td>
<td>General Poster Session</td>
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<td>Reports from the Field, Room 210-214</td>
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<tr>
<td>11:30 a.m.–1:30 p.m.</td>
<td>MACBoard Meeting</td>
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<td>Quinn Dining Room, Morris Inn</td>
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<tr>
<td>1:30–3:45 p.m.</td>
<td>Symposium</td>
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<td>Fur Trade, Farmsteads, and Frontiers: 400 Years of Wisconsin’s</td>
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<td>Historical Archaeology, Auditorium</td>
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<tr>
<td>1:30–4:30 p.m.</td>
<td>General Session</td>
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<td>Woodland Investigations, Room 100-104</td>
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<tr>
<td>1:30–3:30 p.m.</td>
<td>General Poster Session</td>
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<td>Materials and Methods, Room 210-214</td>
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<tr>
<td>3–4:30 p.m.</td>
<td>Student Workshop</td>
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<td>Industrial and Urban Archaeology, Room 202</td>
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<tr>
<td>5:30–7:30 p.m.</td>
<td>Reception and Trivia Contest</td>
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<td>Rohr’s, Morris Inn (Pre-registration required)</td>
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<tr>
<td>9–11:45 a.m.</td>
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<td>Middle Mississippian to Late Prehistoric Lifeways, Auditorium</td>
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<td>General Session</td>
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<td>Old Materials, New Methods, and Novel Approaches, Room 100-104</td>
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<tr>
<td>9:30–11:30 a.m.</td>
<td>Poster Symposium</td>
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<td>Food Production Past and Present: Multidisciplinary</td>
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<td>Perspectives, Room 210-214</td>
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<tr>
<td>9:30–11:30 a.m.</td>
<td>General Poster Session</td>
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<td>Bioarchaeology, Health, and Disease, Room 210-214</td>
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<tr>
<td>1:30–4:15 p.m.</td>
<td>Symposium</td>
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<td>Ethnogenesis and Village Origins: Becoming Fort Ancient at the</td>
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<td>Guard Site, AD 1000-1300, Auditorium</td>
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<tr>
<td>1–4 p.m.</td>
<td>General Session</td>
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<td>Landscape, Settlements, and Their Detection, Room 100-104</td>
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<tr>
<td>1:30–3:30 p.m.</td>
<td>Poster Symposium</td>
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<td>Student Centered Research in the Applied Anthropology</td>
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<td>Laboratories 2014-2018, Room 210-214</td>
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<tr>
<td>5–6 p.m.</td>
<td>MAC Business Meeting</td>
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<td>Auditorium</td>
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Thursday, October 4

All sessions take place in McKenna Hall unless otherwise noted

2–4 p.m. 2018 MAC-Sponsored Symposium
Late Prehistoric Landscapes in the Northern Prairie Peninsula: A Lake Koshkonong Perspective
Auditorium
Co-Chairs: Robert J. Jeske, Katherine Sterner, and Richard W. Edwards IV

2 p.m. New Perspectives from Lake Koshkonong
Robert Jeske (University of Wisconsin-Milwaukee), Katherine Sterner (University of Wisconsin-Milwaukee), and Richard W. Edwards IV (Commonwealth Heritage Group, Inc.)

2:15 p.m. Upper Mississippian Stone Tools and Community Organization
Katherine M. Sterner (University of Wisconsin-Milwaukee)

2:30 p.m. Identities in Clay: Displays of Group Identity on Pottery from Oseola Villages on Lake Koshkonong
Seth A. Schneider (University of Wisconsin-Milwaukee) and Natalie A. Carpiaux (Field Museum)

2:45 p.m. Archaeofauna as Evidence for Oseola Landscape Investment During Periods of Conflict and Stress
Richel C              (University of Wisconsin-Milwaukee)

3:00 p.m. Break

3:15 p.m. Risky Landscapes: Agriculture and Upper Mississippian Societies
Richard W. Edwards IV (Commonwealth Heritage Group, Inc.)

3:30 p.m. The Social Landscape of 11th- to 15th-Century Lake Koshkonong
Robert J. Jeske (University of Wisconsin-Milwaukee)

3:45 p.m. The Late Prehistoric Continuum at the Edge of the Prairie Peninsula
James A. Brown (Northwestern University)

6–8 p.m. Welcome Reception
Second Floor, Corbett Family Hall (east side of the Stadium)
Open to all

Friday, October 5

9 a.m.–12:15 p.m. Symposium
Storing Culture: Subterranean Storage in the Upper Midwest
Auditorium
Chair: Sean B. Dunham

9 a.m. Cache Pits: Reflections from the Ne-con-ne- w-sah-se site
Sean B. Dunham (U.S. Forest Service)

9:15 a.m. Now and Later: A Cross-Cultural Comparison of Hunter-Gatherer Food Storage Practices
Kathryn Frederick (Michigan State University)

9:30 a.m. Experimental Research on Plant Storage at Midewin Prairie, Illinois: Considering the Shelf Life of Plant Storage within Subterranean Pits
Ian Kuijt (University of Notre Dame), Madeleine McLeester (University of Notre Dame), and Mark R. Schurr (University of Notre Dame)

9:45 a.m. From Cache Pits to Middens: Navigating the Pitfalls of Feature Interpretation
Natalie Carpiaux (The Field Museum) and Richard W. Edwards IV (Commonwealth Heritage Group, Inc.)

10 a.m. Grand Island Pit Features: A Performance-Based Interpretation
Emily R. Bartz (University of Florida)

10:15 a.m. Cache Pits and (or as?) Ritual Practice at the Cut River Mounds Site (20RO1) in North-Central Michigan
Meghan C.L. Howey (University of New Hampshire)

10:30 a.m. Break

10:45 a.m. The Role of Storage in Foodways in the Late Woodland Upper Delaware Valley
Justin M. Reamer (University of Pennsylvania)

11 a.m. Late Precontact Storage and Refuse at the Middle Grant Creek Village in Northern Illinois
Madeleine McLeester (University of Notre Dame) and Mark R. Schurr (University of Notre Dame)
5 Recent Investigations of the Eastern Embankment at Golden Eagle (11C120)
   Zoe Doubles (Center for American Archaeology), Emma Jones (Center for American Archaeology), Kenzie May (Illinois State University), Esmeralda Ferrales (New Mexico State University), Jason L. King (Center for American Archaeology) and Jane E. Buikstra (Arizona State University)

6 The Mitchell Initiative: Archaeological Investigations in the Greater Mitchell Mounds Region of the American Bottom
   Patrick R. Durst, Robert G. McCullough, and Thomas J. Loebel

7 The Woodland Ohio Monumental Project (WOMP): Report from the 2018 Field Campaign at the Junction and Steel Group Sites in Ross County, Ohio
   Timothy Berhart (University of Michigan)

8 Breaking New Ground at Macktown: Initial Deployment of 3D Analysis and GIS
   Lucas H. Hawer (Midwest Archaeological Research Services) and Steven A. Katz (Midwest Archaeological Research Services)

9 Detecting the 1862 U.S. Military Post at Sauk Centre, Minnesota
   Rob Mann (St. Cloud State University), Mike Penrod (St. Cloud State University), and Courtney Kujala (St. Cloud State University)

10 IUBicentennial Archaeology at Wyile House: Catalyst for Community Engagement
   Molly R. Mesner (Indiana University) and Elizabeth Watts Malouchos (Indiana University)

11 Archaeology along the Banks of the Red Cedar: Summary of 2018 Riverbank Survey
   Jeffrey M. Rantier (Michigan State University), Autumn M. Rantier (Michigan State University), and Jack A. Biggs (Michigan State University)

12 Exploring Monroe County’s Past: Archaeological and Historical Landscapes of the Bean Blossom Creek Drainage
   Elizabeth Watts Malouchos (Glenn A. Black Laboratory of Archaeology, Indiana University)

11:30 a.m.–1:30 p.m. MAC Executive Board Meeting
   Quinn Dining Room, Morris Inn
Friday, October 5 (continued)

1:30–3:45 p.m. Symposium
Fur Trade, Farmsteads, and Foreigners: 400 Years of Wisconsin’s Historical Archaeology
Auditorium
Chair: Patricia B. Richards

1:30 p.m. Searching for Evidence of Protohistoric and Early Colonial Encounters in Wisconsin
Heather Wilder (University of Wisconsin-Madison)

1:45 p.m. Recent Excavations at the McCauley Site (47WN0222): New Evidence of the Protohistoric Provisional Dandy Phase on Lake Winnebago
Jennifer L. Reid (University of Wisconsin-Milwaukee) and Catherine R. Jones

2 p.m. Kinship’s Village, a Model for Late Prehistoric-Early Historical Era Summer Agricultural Villages in Northeastern Wisconsin and Adjacent Areas of Michigan’s Upper Peninsula
David F. Censtreet and David J. Oglion (Menominee Tribe of Indians of Wisconsin)

2:15 p.m. Persistence, Resistance, and Survivance: The Archaeology of 18th- and 19th-Century Ho-Chunk Communities in Wisconsin
Addison P. Kimmel (University of Iowa)

2:30 p.m. Break

2:45 p.m. Past in the Pines: The Archaeology of Historic Era Logging in Wisconsin
Ryan J. Howell (Cardno, Inc.) and Sean Dunham (U.S. Forest Service)

3 p.m. If You Can Build a Barn You Can Build a Scow: Analyzing Wisconsin’s Great Lakes Scow Schooners and Their Impact on Small Town Development
Victoria Kiefer (Wisconsin Historical Society), Tamara Thomasen (Wisconsin Historical Society), and Caitlin Zant (Wisconsin Historical Society)

3:15 p.m. An Archaeological Journey into the 19th Century in Southeastern Wisconsin
Robert F. Sasso (University of Wisconsin-Parkside) and Daniel J. Joyce (Kenosha Public Museums)

3:30 p.m. All Lie Down Together and are Soon Forgotten: the Milwaukee County Poor Farm Cemetery Project
Rittrica B. Richards (University of Wisconsin-Milwaukee)

1:30–4:30 p.m. General Session
Woodland Investigations
Room 100–104
Chair: Bret J. Ruby

1:30 p.m. New Insights into the Early and Middle Woodland of Southeastern Wisconsin
Jennifer R. Haas (University of Wisconsin-Milwaukee)

1:45 p.m. Rediscovering Toolesboro, a Middle Woodland Mound Group in Southeastern Iowa
Lynn M. Alex (University of Iowa), William Green (Beloit College), Robin M. Lillie (University of Iowa), and Shannon M. Rie (Beloit College)

2 p.m. Large-Scale Magnetometry Survey at the Mann Site, an Indiana Hopewell Ceremonial Center
Staffan Pettersson (Indiana University) and Michael Strezewski (University of Southern Indiana)

2:15 p.m. Persistence, Resistance, and Survivance: The Archaeology of 18th- and 19th-Century Ho-Chunk Communities in Wisconsin
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2:45 p.m. Break
Friday, October 5 (continued)

3 p.m. North Mounds and North Village, Clinton County, Illinois: Bioanthropology
Della Collins Cook (Indiana University), Nell Krahnke (University of San Francisco), and Beatriz Barros (Indiana University)

3:15 p.m. Childhood Pathologies as Indicators of Community Health in Four West-Central Illinois Woodland and Mississippian sites
Rige M Dobkins (Illinois State University)

3:30 p.m. Toward a “Quantitative Genetic” Approach to Late Woodland Ceramic Sherd Variation: An Experimental Case Study from Northern Ohio
Ashley Rutkowski (Kent State University)

3:45 p.m. Toward a “Quantitative Genetic” Approach to Late Woodland Ceramic Sherd Variation: An Experimental Case Study from Northern Ohio
Ashley Rutkowski (Kent State University)

4 p.m. Recent Archaeological Investigations at Robert Allerton Park, Ritt County, Illinois
B. Jacob Sieussen (Illinois State Archaeological Survey, Riallond College), Wayne R. Meyer (Riallond College), Jasmine Holmes (Riallond College), and Rachel V. Lawrence (Illinois State Archaeological Survey)

1:30–3:30 p.m. General Poster Session
Materials and Methods
Room 210–214

1 Digging into Collections: Casas Grandes Ceramics Rediscovered
Samantha Bonkamp

2 Use-Wear Analysis of Lamellar Blades at the Mound House Site
Silas L. Chapman (Illinois State University)

3 Thermal Eye in the Sky: Update on Iowa’s Digital Archaeology Initiatives
Angela R. Collins (University of Iowa, Office of the State Archaeologist), Mary C. De La Garza (University of Iowa, Office of the State Archaeologist), John F. Doershuk (University of Iowa, Office of the State Archaeologist), and Elizabeth C. Reetz (University of Iowa, Office of the State Archaeologist)

3–4:30 p.m. Student Workshop
Industrial and Urban Archaeology
Room 202
Co-Organizers: Patrick Finnigan, Daniz Kaya, and April Sievert
Panelists: Kaelan Heidt (Indiana University), Krysta Ryzewski (Wayne State University), April Sievert (Indiana University), and others

This panel explores the broader impact of industrial and urban archaeology, and will address questions such as “How old is old enough?”, as well as adaptive reuse and heritage preservation. Industrial and urban archaeology is often overlooked within anthropology due to the questions of “how old does something have to be before it is ‘historic’?” which challenge public, and even academic engagement. With this panel, we hope to more fully establish the academic and public significance of this research.
Saturday, October 6

9 a.m.-11:45 a.m. General Session
Middle Mississippian to Late Prehistoric Lifeways
Auditorium
Chair: Brian G Redmond

9 a.m. Modifying the Flesh: Scratchers and Scrapers at a Mississippian Site
Amanda Butler (University of Illinois)

9:15 a.m. The Earth Mother in the Illinois Valley: A Female Effigy Bottle from the Orendorf Site, Fulton County, Illinois
Lawrence A. Conrad (Western Illinois Archaeological Research Center), David H. Dye (University of Memphis), and Robert V. Sharp (Independent Researcher)

9:30 a.m. Findings Late Prehistoric Connection: Late Woodland and Oneota Cultural Relations through Pottery on Lake Koshkonong Seth A. Schneider (University of Wisconsin-Milwaukee) and Jennifer R. Haas (University of Wisconsin-Milwaukee)

9:45 a.m. Examining Possible Perceived ‘Value’ of Various Lithic Materials by the Oneota in the La Crosse Area
Zachary Allain (University of Wisconsin-Milwaukee)

10 a.m. "The Race of Solemne Prayer": Intrasettlement Post and Ditch, Mortuary-Ritual Structure in Late Precontact Northern Ohio
Brian G. Redmond (Cleveland Museum of Natural History) and Alyssa L. Davis (Cleveland Museum of Natural History)

10:15 a.m. Break

10:30 a.m. Overview of an Excavated Wall Trench Structure from Noble-Wieting, McLean County, Illinois
G. Logan Miller (Illinois State Museum)

10:45 a.m. Rits, Postmolds, and Paint: A Summary of Findings from the Middle Grant Creek (11 W 2739) 2018 Field Season
Mark Schurr (University of Notre Dame), Madeleine McLeester (University of Notre Dame), and Terrance Martin (Illinois State Museum)

11 a.m. Huber in the Protohistoric Shadowlands
Kersti E. Emerson (Illinois State Archaeological Survey, University of Illinois) and Thomas E. Emerson (Illinois State Archaeological Survey, University of Illinois)

11:15 a.m. Geophysical Investigations at the Lane Enclosure Oneota Site (13AM200)
Colin Betts (Luther College)

11:30 a.m. A Revised History of the Late Precontact and Historic Era Occupations of the Cloudman Site
Susan M. Kooiman (Michigan State University) and Heather Walker (University of Wisconsin-Madison)

9 a.m.-12 p.m. General Session
Old Materials, New Methods, and Novel Approaches
Room 100–104
Chair: Robert Ahlrichs

9 a.m. Testing for Structure and Phytolith Analysis of Ridged Gardens
Wendy Munson-Scullin (Midwest Ethnohorticulture) and Michael Scullin (Midwest Ethnohorticulture)

9:15 a.m. The Twined Textile from Gate Odena: Technological Analysis and Reshaping Using Solvent Vapors
Kay "Kakendasot" Mattea (Mercyhurst University), Edward A. Jolie (Mercyhurst University), James M. Solco (Illinois State University), and Eric Drake (Hawatha National Forest)

9:30 a.m. Uncommon Brick: Defining Historic “Notre Dame” Brick Through Anthropological and Compositional Analysis
Ritrick Amin (University of Notre Dame) and Kevin Walsh (University of Notre Dame)

9:45 a.m. A Study in Ceramic Decoration and Socio-Economic Status of the Baum Family
Katelyn C. Lutzmann

10 a.m. Chemical Characterization of Copper Manufacturing Debris from Two Localities in Wisconsin
Robert Ahlrichs (University of Wisconsin-Milwaukee)

10:15 a.m. Break
Saturday, October 6 (continued)

10:30 a.m. Introducing the Copelin Valley Clovis Site: Kentucky’s Best Kept Paleo Secret
Steven L. Boles (Illinois State Archaeological Survey)

10:45 a.m. Joe Caldwell’s Ghost: Adaptation and Regional Lithic Supply in the Ohio Valley, USA
Mark F. Seeman (Kent State University), Amanda N. Colucci (Kent State University), and Charles Fulk (Archaeological Society of Ohio)

11 a.m. A Key to Rm Design Elements in 19th-Century Staffordshire Transferprinted Ceramics
Douglas Kilian

11:15 a.m. Archaeology for the People: Community-Based Research, Hands-On Education, and their Place in Archaeology
Cäiley D. Müllins (University of North Carolina)

11:30 a.m. Activism Among Archaeological Field School Students: Community-Based Research Leads to Civic Engagement
James M. VanderMeen (Indiana University-South Bend)

9:30–11:30 a.m. Poster Session
Bioarchaeology, Health, and Disease
Room 210–214

1 Inherited Consequences: Evidence of Fetal Alcohol Syndrome in the Milwaukee County Poor Farm Cemetery
Sarah A. Boncal (University of Wisconsin-Milwaukee)

2 Squatting Facets in Woodland Populations
Joshua S. Boone (Illinois State University) and Maria O. Smith (Illinois State University)

3 Tobacco Smoking and Tuberculosis in the Lower Illinois River Valley
Savannah Leach Newell (Indiana University) and Krystiana Krupa (Indiana University)

4 “We Release You Once More to the Ground”: Reburial of Four Euro-American Pioneer Skeletons from the Henry Woods Site, Polk County, Iowa
Lara K. Noldner (Office of the State Archaeologist, University of Iowa), David Mayer Gradwohl (Iowa State University-AMES), Cynthia L. Peterson (U.S. Army Corps of Engineers), and Daniel K. Higginbottom (Iowa State Historic Preservation Office)

5 The Bioarchaeology of Instability: Nutritional Deficiency and Trauma at the Fort Ancient Site of Hardin Village
Amber E. Otterhoff (University of Nevada, Las Vegas)

6 A Study of a Juvenile’s Remains in a Central Ohio Cholera Cemetery
Kelli M. Wathen (Ball State University) and Giuseppe Vercellotti (Institute for Research and Learning in Archaeology and Bioarchaeology & The Ohio State University)

7 Foot and Ankle Squatting Facets in the Late Woodland Period
River Fuchs (Centre College) and Joshua Raymond (Arizona State University)

5 The Golden Eagle Site (Illinois): An Attribute Analysis of Lithics
Blaine Burgess and Dana Mineart

6 Sumac for Food or Ceremony? Paleoethnobotanical Analysis of Middle Woodland Medicinal Plants
Wendy Wingerson (Beloit College) and Natalie Mueller (Cornell University)

9:30–11:30 a.m. Poster Symposium
Food Production Past and Present: Multidisciplinary Perspectives
Room 210–214
Organizer: Jason King

1 Cultivating Opportunities: STEM Education and Research at the Center for American Archaeology
Jason King (Center for American Archaeology), Jane Buikstra (Arizona State University), Natalie Mueller (Cornell University) and Joshua Raymond (Arizona State University)

2 Why is Archaeological Little Barley Naked? A Carbonization Experiment
Monica Corley (University of Central Arkansas) and Kathryn Kuennen (University of Iowa)

3 Exploring Contemporary Agricultural Identity: Community, Landscape, and Connections to the Past
River Fuchs (Centre College) and Joshua Raymond (Arizona State University)

4 Calhoun County Landscape, Infrastructure, and Cultural Identity
John Jadrich and Morgan Tanner

5 The Bioarchaeology of Instability: Nutritional Deficiency and Trauma at the Fort Ancient Site of Hardin Village
Amber E. Otterhoff (University of Nevada, Las Vegas)

6 A Study of a Juvenile’s Remains in a Central Ohio Cholera Cemetery
Kelli M. Wathen (Ball State University) and Giuseppe Vercellotti (Institute for Research and Learning in Archaeology and Bioarchaeology & The Ohio State University)

7 Root and Ankle Squatting Facets in the Late Woodland Period
River Fuchs (Centre College) and Joshua Raymond (Arizona State University)
### Saturday, October 6 (continued)

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<th>Time</th>
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<tr>
<td>1:30 p.m.</td>
<td>Symposium: Ethnogenesis and Village Origins: Becoming Fort Ancient at the Guard Site, AD 1000–1300</td>
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<td>Chair: Robert A. Cook</td>
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<tr>
<td>1:30 p.m.</td>
<td>Introducing the Guard Site: Context, Layout, and Key Research Questions at One of the First Fort Ancient Villages</td>
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<td>Robert A. Cook (The Ohio State University), Aaron Comstock (The Ohio State University), Marcus Schulenburg (University of Wisconsin-Milwaukee), and Jarrod Burks (Ohio Valley Arch., Inc.)</td>
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<tr>
<td>1:45 p.m.</td>
<td>The Guard Site Setting at the Mouth of the Great Miami River: A Common Mississippian Niche</td>
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<td>Benjamin Coes (The Ohio State University) and Andrew Weiland (The Ohio State University)</td>
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<tr>
<td>2 p.m.</td>
<td>Chronological Complexity of the Guard Site: Combining AMS, OSL, and Fluoride Dating</td>
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<td>Aaron Comstock (The Ohio State University), Robert A. Cook (The Ohio State University), Mark Schurr (University of Notre Dame), and Sachiko Sakai (California State University, Long Beach)</td>
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<tr>
<td>2:30 p.m.</td>
<td>Break</td>
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<tr>
<td>2:15 p.m.</td>
<td>Pottery Morphology, Design, and Compositional Analysis at the Guard Site</td>
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<td>Marcus Schulenburg (University of Wisconsin-Milwaukee), Robert A. Cook (The Ohio State University), and Aaron Comstock (The Ohio State University)</td>
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<tr>
<td>2:45 p.m.</td>
<td>Lithic Tools and Production Debris at the Guard Site</td>
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<td>Sarah A. Hinkelman (The Ohio State University), Aaron R. Comstock (The Ohio State University), and Robert A. Cook (The Ohio State University)</td>
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<tr>
<td>3 p.m.</td>
<td>What they Ate: A Biological Perspective at the Guard Site</td>
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<td>Emma M. Lagan (The Ohio State University), Robert A. Cook (The Ohio State University), and Christopher W. Schmidt (University of Indianapolis)</td>
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<tr>
<td>3:15 p.m.</td>
<td>What they Ate: Microbotanical and Faunal Remains at the Guard Site</td>
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<td>Andrew W. Weiland (The Ohio State University), Lucretia Kelly (The Ohio State University), Kirby Trovillo (The Ohio State University), and Kristie R. Martin (The Ohio State University)</td>
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<tr>
<td>3:30 p.m.</td>
<td>Fort Ancient Beginnings: The Guard Site in Regional Context</td>
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<td>4 p.m.</td>
<td>Discussant: Ian Kuijt (University of Notre Dame)</td>
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### 1:30–4:15 p.m. General Session

#### Landscape, Settlements, and their Detection

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<td>1:30 p.m.</td>
<td>Locating New Earthwork Sites in Old Aerial Photographs: Recent Discoveries in Central Ohio</td>
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<td>Jarrod Burks (Ohio Valley Archaeology, Inc.) and David Lamp</td>
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<td>1:45 p.m.</td>
<td>The Uses and Limitations of LiDAR Technology in Archaeological Research</td>
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<td>Rafe Garza (University of Wisconsin-Milwaukee)</td>
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<td>2 p.m.</td>
<td>Ohio Hopewell Settlement in the Uplands: the Balthaser Home Site</td>
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<td>Paul Paceco (SUNY Geneseo), Jarrod Burks (Ohio Valley Archaeology, Inc.), and DeAnne Wymer (Bloomsburg University)</td>
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<tr>
<td>2:15 p.m.</td>
<td>Middle Archaic Occupations at the Edging Site, St. Clair County, Illinois</td>
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<td>Madeleine G. Barre (Illinois State Archaeological Survey), Dale L. McBrath (Illinois State Archaeological Survey), and Adam A. Tifano (Illinois State Archaeological Survey)</td>
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<tr>
<td>2:45 p.m.</td>
<td>Along the Rock River from Byron to Rockford: Results of Recent Fieldwork</td>
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<td>Clare Tolmie (Illinois State Archaeological Survey), Lauren Rits (Illinois State Archaeological Survey), Luke Cuvillon (Illinois State Archaeological Survey), and Kenton Geier (Illinois State Archaeological Survey)</td>
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Saturday, October 6 (continued)

3 p.m. Reevaluation of the Mitchell Site in the Northern American Bottom, Illinois

3:15 p.m. Hidden Houses and a Hazy Hexagon: Ground-Truthing Remote Sensing Data at Middle Grant Creek
Jamie Countryman (University of Chicago), Madeleine McLeester (University of Notre Dame), and Mark R. Schurr (University of Notre Dame)

3:30 p.m. The Mosaic of Middle Grant Creek: Results of the 2018 Survey at a Late Huber Site
Charles V. H. Morse (University of Notre Dame), Mark R. Schurr (University of Notre Dame), Madeleine McLeester (University of Notre Dame), and Joie Mienshi (University of Notre Dame)

3:45 p.m. Trade Relationships of 18th-Century Ottawa along the Grand River, Michigan
Jessica Yann

4 p.m. Rice, Rice, Baby: Wild Rice and Its Effect on Native American Settlement Choice in Southeastern Michigan
Christine N. Stephenson (Michigan Department of Transportation)

1:30–3:30 p.m. Poster Symposium
Student Centered Research in the Applied Anthropology Laboratories 2014–2018
Room 210–214
Organizer: Kevin C. Nolan

1 Applied Anthropology Laboratories Student Involvement Over Time: 2014–2018
Caroline Heston (Ball State University), Christine Thompson (Ball State University), Matthew Runtill (Ball State University) and Kevin C. Nolan (Ball State University)

2 Searching for Singapore: Identification and Evaluation of Archaeological Resources in an Abandoned 19th–Century Lumber and Mill Town in Michigan
Shelby Frideger (Ball State University), Necelia Smurfi (Ball State University), Cynan Gagey (Ball State University), Matthew Runtill (Ball State University), and Kevin C. Nolan (Ball State University)

3 Fort Recovery Wayside Exhibits and Story Map
Christine Thompson (Ball State University), Connor M. McCoy (Ball State University), Kristin Barry (Ball State University), Lisa Hensell (Ball State University), and Kevin C. Nolan (Ball State University)

4 Copper Mining in the Ontonagon River Basin: Preliminary Results of the 2018 BSU Summer Field School
Charity Munro (Ball State University), Lindsay Orr (Ball State University), Tristen Spoor (Ball State University), Nicole Roberts (Ball State University), Emily Demler (Ball State University), Sage Hatcher (Ball State University), Dallon Helfman (Ball State University), David Bird (Ball State University), Matthew Nicholas (Ball State University), Kevin C. Nolan (Ball State University), and Mark A. Hill (Ball State University)

5 Scale and Community in Hopewell Networks (SC HoN): An Updated Summary
Kevin C. Nolan (Ball State University), Mark F. Seeman (Kent State University), Mark A. Hill (Ball State University), Eric Olson (University of Akron), and Emily Butcher (Applied Anthropology Laboratories)

6 Archaeological Survey of a Data Deficient Region: Survey of > 900 acres in Jasper County, Indiana
Catin MacLeod (Ball State University), Christine Thompson (Ball State University), and Kevin C. Nolan (Ball State University)

7 Archaeological Survey of a Data Deficient Region: Survey of > 2,600 acres in Newton County, Indiana
Jamie Leeuwrik (Ball State University), Abby Clark (Ball State University), Christine Thompson (Ball State University), and Kevin C. Nolan (Ball State University)

8 A Virtual Window on the Dawn of Indiana Archaeology: Digitizing the Dolan Collection
Dana Northam (Ball State University), Hunter Davis (Ball State University), Matthew Runtill (Ball State University), and Kevin C. Nolan (Ball State University)

9 Central Ohio Archaeological Digitization Survey (COADS)
Eric C. Olson (University of Akron), Kelli Wathen (Ball State University), Andrew Weland (The Ohio State University), Kevin C. Nolan (Ball State University), and Michael J. Shot (University of Akron)
10 Archaeological Survey of a Data Deficient Region: Survey of > 900 acres in Southern Fulton County, Indiana
Cecilia Szmutko (Ball State University), Lindsey Cron (Ball State University), Christine Thompson (Ball State University), and Kevin Nolan (Ball State University)

11 NAGPRA Process and Progress at Ball State University
Christine Thompson (Ball State University), S. Homes-Hogue (Ball State University), Callin Murray (Ball State University), Kevin C Nolan (Ball State University), and Sneha Chavali (University of Wisconsin)

12 Archaeological Survey of a Data Deficient Region: Survey of > 1,700 acres in Benton County, Indiana
Christine Thompson (Ball State University), Kevin C Nolan (Ball State University), and Amanda Balough (Commonwealth Heritage Group)

13 Exploring Urban Landscape Change at Fort Recovery, Ohio
Christine Thompson (Ball State University), Mark Groover (Ball State University), Amanda Balough (Commonwealth Heritage Group), and Bryan Mitchell (Ball State University)

14 Ottawa National Forest Archaeological Resource Management Plan
Kelli M Wathen (Ball State University), Shelby Frideger Cornett (Ball State University), Cecilia Szmutko (Ball State University), David K Byrd (Ball State University), Chyan M Gilaspy (Ball State University), Robin N Johnson (Ball State University), Connor M McCoy (Ball State University), Tristan M Spoor (Ball State University), and Kevin C Nolan (Ball State University)

5–6 p.m. MAC Business Meeting
Auditorium
Find us in the MAC book room to browse our newest titles at the East St. Louis New Mississippi River Bridge project:

- The New Mississippi River Bridge Archaeological Project: Research Design, Methods, and History of Investigation, edited by Joseph M. Galloy
- East St. Louis Precinct Mississippian Features, edited by Tamira K. Brennan
- East St. Louis Precinct Terminal Late Woodland Ceramics, edited by Alleen Betzenhauser
- East St. Louis Precinct Terminal Late Woodland and Mississippian Lithics, edited by Steven L. Boles (pre-orders only)
- Revealing Greater Cahokia, North America’s First Native City: Rediscovery and Large-Scale Excavations of the East St. Louis Precinct, edited by Thomas E. Emerson, Brad H. Koldehoff, and Tamira K. Brennan (pre-orders only)
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