

## Friday Morning ■ April 13, 2018

**[146] GENERAL SESSION ■ PROTOHISTORIC AND HISTORIC RESEARCH FROM AROUND THE MEDITERRANEAN BASIN****Room:** Jefferson**Time:** 8:00 AM–9:30 AM**Chair:** Ashley Cercone**Participants:**

- 8:00 Ashley Cercone and Zeynep Bilgen—Double Handled Vessels at Seyitömer Höyük in Kütahya, Turkey: The Manufacture, Use, and Trade of Depas Cups
- 8:15 Rachel Kulick—An Urban Micromorphological Perspective on Neopalatial Environmental Changes at Bronze Age Palaikastro, Crete
- 8:30 Laura Swantek—Reconfiguring Social Networks: The Emergence of Social Complexity before and after Urbanism on Cyprus
- 8:45 Sergi Lozano, Luce Prignano, Francesca Fulminante and Ignacio Morer—Network Models for the Emergence of Transportation Infrastructures in Central Italy (1175/1150–500 BC ca)
- 9:00 Eilis Monahan—Enclosure and Surveillance: The Development of a Disciplinary Landscape in Bronze Age Cyprus
- 9:15 Emily Anderson—Like a Lion, as a Man: Seals and Poetry in Minoan Crete

**[147] ELECTRONIC SYMPOSIUM ■ RAPID ABANDONMENT, DE FACTO REFUSE, OR PILGRIMAGE EVENTS: DECODING THE ARCHAEOLOGICAL SIGNIFICANCE OF TERMINAL “PROBLEMATIC” DEPOSITS IN THE MAYA LOWLANDS****Room:** Delaware A**Time:** 8:00 AM–10:00 AM**Chairs:** Jim Aimers, Julie Hoggarth and Jaime Awe**Participants:**

- Jaime Awe—The End Is Nigh: Applying Regional, Contextual and Ethnographic Approaches for Understanding the Significance of Terminal “Problematic” Deposits in Western Belize
- Julie Hoggarth—Using Bayesian Radiocarbon Chronologies in Conjunction with Artifact Inventories to Reconstruct the Timing and Formation of Peri-abandonment Deposits at Baking Pot, Belize
- Arlen Chase—Final Moments: Contextualizing On-Floor Archaeological Materials from Caracol, Belize
- Takeshi Inomata—Termination Deposits at Aguateca and Ceibal, Guatemala
- Brett A. Houk—“Problematic Deposits” at Chan Chich, Belize
- Jim Aimers—The Pottery of a Problematic Deposit from Cahal Pech, Belize, and Its Implications for the Interpretation of Similar Deposits
- W. James Stemp—Point Counter Point: Interpreting Chipped Chert Bifaces in a Terminal Classic “Problematic Deposit” from Structure A2 at Cahal Pech, Belize
- Chrissina C. Burke—To Eat, Discard, or Venerate: Faunal Remains as Proxy for Human Behaviors in Lowland Maya Terminal or Problematic Deposits
- Michael Petrozza—De Facto Refuse, Termination Deposits, and Abandonment Processes: Contextualizing the “Problematic”
- Lisa DeLance—Ancestor Veneration, Termination and Renewal: New Considerations of Construction Fill
- Andrew Snetsinger—Explaining Variability in On-Floor Assemblages: The Contextual-Behavioral Method
- Taylor Lawhon—To Love and to Leave or to Never Have Loved at All?: Abandonment Deposits within the Late Classic Maya Palace at Actuncan, Belize

Norbert Stanchly—Broken Molds, Burned Wealth, and Scattered Monuments: Defining the Terminal Classic Period at Pacbitun  
Cynthia Robin—Terminal Classic Terminal Deposits at Chan, Belize

**[148] FORUM ■ SO YOU WANT TO WORK?: A DISCUSSION ON NON-ACADEMIC CAREERS IN ARCHAEOLOGY**

*(Sponsored by SAA Student Affairs Committee)*

**Room:** Wilson A

**Time:** 8:00 AM–10:00 AM

**Moderators:** Jennifer E. Lapp and David Witt

**Participants:**

Joe Baker—Discussant  
Casey Campetti—Discussant  
Janet Johnson—Discussant  
Alexandra Jones—Discussant  
Jennifer E. Lapp—Discussant  
Daria Merwin—Discussant  
Kristy Primeau—Discussant  
Charles Vandrei—Discussant  
Kathryn Whalen—Discussant  
David Witt—Discussant

**[149] FORUM ■ COLLABORATING ON ARCHAEOLOGICAL COLLECTIONS CARE**

*(Sponsored by SAA Committee on Museums, Collections, and Curation)*

**Room:** Wilson C

**Time:** 8:00 AM–10:00 AM

**Moderators:** Roger Colten and Terry Childs

**Participants:**

Michelle LeFebvre—Discussant  
Hayley Singleton—Discussant  
Sara Rivers Cofield—Discussant  
Gil Nelson—Discussant  
Danielle Benden—Discussant  
Klaus Wagensohn—Discussant  
Katie V. Kirakosian—Discussant  
Terry Childs—Discussant  
Francis Lukezic—Discussant  
Teresita Majewski—Discussant

**[150] FORUM ■ CYCADS, HUMANS, AND MAIZE IN MESOAMERICAN ETHNOECOLOGICAL AND AGROECOLOGICAL SYSTEMS: TRACING AN ANCIENT RELATIONSHIP THROUGH ARCHAEOLOGY, GENOMICS, AND CULTURAL GEOGRAPHY**

**Room:** Hoover

**Time:** 8:00 AM–10:00 AM

**Moderators:** Joshua Englehardt and Michael Carrasco

**Participants:**

Angelica Cibrian-Jaramillo—Discussant  
Michael Calonje—Discussant  
Philip Arnold—Discussant  
Michael Carrasco—Discussant  
Joshua Englehardt—Discussant

Amber VanDerwarker—Discussant  
 Jaime R. Pagan-Jimenez—Discussant  
 Andrew Vovides—Discussant

**[151] FORUM ■ CULTURAL RESOURCES IN THE AGE OF TRUMP**

**Room:** Johnson

**Time:** 8:00 AM–10:00 AM

**Moderators:** Kathryn Harris and Anna Neuzil

**Participants:**

Jeffrey Altschul—Discussant  
 Allyson Brooks—Discussant  
 Eve Dewan—Discussant  
 Sara Gale—Discussant  
 Anna Neuzil—Discussant  
 Donald Weir—Discussant

**[152] FORUM ■ ADVANCES AND PROSPECTS IN THE ARCHAEOLOGICAL SCIENCES ON THE 40TH ANNIVERSARY OF THE SOCIETY FOR ARCHAEOLOGICAL SCIENCES (I)**

*(Sponsored by Society for Archaeological Sciences)*

**Room:** Taylor

**Time:** 8:00 AM–10:00 AM

**Moderators:** Robert Sternberg and Kyle Freund

**Participants:**

Michael D. Glascock—Discussant  
 Brandi Lee MacDonald—Discussant  
 Alyson Thibodeau—Discussant  
 Wesley Stoner—Discussant  
 Arleyn Simon—Discussant  
 Tatsuya Murakami—Discussant  
 Sandra Lopez Varela—Discussant  
 Kyle Freund—Discussant  
 William Gilstrap—Discussant

**[153] POSTER SESSION ■ PALEOETHNOBOTANY**

**Room:** Exhibit Hall B South

**Time:** 8:00 AM–10:00 AM

**Participants:**

- 153-a J. Eduardo Eche Vega and Jose Peña—La subsistencia en el sitio de El Campanario, Valle de Huarmey
- 153-b Nicolas Bermeo, Michelle Elliott, Nicolas Goepfert and Belkys Gutiérrez—Fuel Use and Management at the Specialized Fishing Site of Bayovar-01 in Northern Coastal Peru (5th–8th Centuries AD), Contributions of Charcoal Analysis
- 153-c Rebecca Mendelsohn—Ritual and Domestic Plant Use on the Southern Pacific Coast of Mexico: A Starch Grain Study of the Formative to Classic Period Transition at Izapa
- 153-d Maria Nieves Zedeño, Francois Lanoe, Anna Jansson, Danielle Soza and Ashleigh Thompson—Ancient Landscapes of the Rocky Mountain Front: A View from the Billy Big Springs Site, MT

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- 153-e Carolina Belmar, Omar Reyes, Ximena Albornoz, Flavia Morello Repetto and Manuel J. San Román—Diet among Marine Hunter-Gatherer-Fishers of the Northern Patagonian Channels (41°50'- 47° S): Assessing Plant Use and Consumption through Dental Calculus Studies
- 153-f Martha Wendel, David L. Lentz, Timothy Beach and Sheryl Luzzadder-Beach—Raised Field Agriculture in the Maya Lowlands: Archaeobotanical Remains from Birds of Paradise
- 153-g Amanda Lane, Katherine Cynkar, Kimberly Kasper and Anthony Graesch—What's In a Seed?: An Experimental Archaeological Study of Elderberry (*Sambucus* sp.) Processing on the Pacific Northwest Coast
- 153-h Chuenyan Ng—Subsistence Economies among Bronze Age Steppe Communities in the Southeastern Ural Mountains Region, Russia
- 153-i Raymond Mauldin, J. Kevin Hanselka, Cynthia Munoz and Leonard Kemp—Old Collections and New Approaches: Estimating Mast Resource Use in the Lower Pecos Canyonlands of Southwest Texas
- 153-j Bryan Núñez Aparcana and Nina Castillo—The Paleoethnobotanical Remains of the Archaeological Site of Cerro Azul, Cañete (Lima, Peru): Changes through Occupation
- 153-k Amy Cromartie—Mountain, Steppes, and Barley: GIS Modeling of Human Environmental Interactions In the Armenian Highlands during the Bronze and Iron Ages
- 153-l Dominique Sparks-Stokes, Susan Allen and Alan P. Sullivan III—Deposition, Disturbance, and Dumping: The Application of Archaeobotanical Measures to Taphonomic Questions

**[154] POSTER SESSION ■ ARCHAEOOMETRY II****Room:** Exhibit Hall B South**Time:** 8:00 AM–10:00 AM**Participants:**

- 154-a Daniel Elliott and Michael Seibert—Get the Lead Out! Establishing a Global Database for the Elemental Analysis of Roundball Ammunition
- 154-b Roxana Cattaneo, Gisela Sario, Gilda Collo, Andres Izeta and Jose Caminoa—Tracking Quartz: A Methodological Approach to an Elusive Type of Sources Using Chemical Characterization According to Their Geological Origin
- 154-c Heidi Noneman, Todd VanPool and Christine VanPool—A Geochemical Look at Obsidian Procurement and Exchange in the Medio Period World: A Case Study 76 Draw (LA 156980)
- 154-d Lucas Martindale Johnson, Daron Duke, Jennifer DeGraffenried and Bruce Kaiser—Examining Handheld XRF Inter-instrument Variation: A Collaborative Project Using a Large Assemblage from the Great Basin
- 154-e David McCormick—Cotzumalguapa's Lithic Industry: Procurement, Production, and Distribution of Obsidian Artifacts of a Late Classic Mesoamerican Polity
- 154-f Alexandra Edwards, Robert Speakman, Alice Hunt, David Thomas and Anna Semon—Lead Isotope Analysis of Bronze Bells from Spanish Colonization Era
- 154-g Cyrus Banikazemi—Metal, Pigment, and Prestige: An Analysis of the Form, Decoration, Status, and Use of Inca Stone Vessels
- 154-h Kevin Wright and Elliot Blair—Using XRF Analysis on Historic Choctaw Ceramics from Chickasawhay Creek, Kemper County, MS
- 154-i Branden Rizzuto and Justin Jennings—Procurement and Use of Obsidian at the Middle Horizon – Late Intermediate Site of Quilcapampa, Valle de Sigüas, Arequipa, Peru

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- 154-j Christine Bergmann and Robert H. Tykot—Assessing Food-Based Trade and Mobility in the Chincha Valley (Peru) Using Portable X-Ray Fluorescence Spectrometry
- 154-k Monica Dyer—XRF Analysis of North Carolina Piedmont Ceramics to Locate Source of Production and Trade at Rural Plantation Sites
- 154-l James Zimmer-Dauphinee, Arlen Talaverano, Kevin Jara and Steven A. Wernke—pXRF in the Colca Valley: Experimenting with a Nondestructive Chemical Discrimination of Ceramic Fragments

**[155] POSTER SESSION ■ HUNTER GATHERER ARCHAEOLOGY****Room:** Exhibit Hall B South**Time:** 8:00 AM–10:00 AM**Participants:**

- 155-a Kirsten Tharalson and Leland C. Bement—Late Archaic Southern Plains Bison Kills: Accumulated Analysis Results at the Certain Site, Western Oklahoma
- 155-b Amalia Nuevo Delaunay, Juan Belardi and Flavia Carballo Marina—Post-contact Times in Southern Patagonia
- 155-c Juan Belardi, Flavia Carballo Marina, Gustavo Barrientos and Patricia Campan—Southern Patagonian Hunter-Gatherers: Distributional Archaeology in the North Shore of the Viedma Lake (Santa Cruz, Argentina)
- 155-d Fumie Iizuka, Masami Izuho and Mark Aldenderfer—Evaluating the Advent of Neolithic in Southern Kyushu, Japan, through Systematic Ceramic, Lithic, and Paleoenvironmental Studies
- 155-e Anthony Morales—A Late Pleistocene-Early Holocene Site in the Western Great Basin: A Preliminary Study of the Rose Valley Site (CA-INY-1799)
- 155-f Michael Cook—Geographic Distribution Analysis of Elko Series Projectile Points across the Great Basin
- 155-g Ismael Sánchez-Morales, Kayla Worthey and Guadalupe Sánchez—A Gomphothere Kill and a Clovis Campsite: The Clovis Faunal and Lithic Assemblages from El Fin del Mundo, Sonora, Mexico
- 155-h Christopher Jazwa, Chloe McGuire, David Zeanah and Douglas Bird—Pre-contact Settlement Patterns in a Clay Pan and Wetland Environment in Australia's Sandy Deserts
- 155-i Manuel J. San Román, Flavia Morello Repetto, Jimena Torres, Víctor Sierpe and Karina Rodríguez—Maritime Hunter-Gatherers from Southernmost Patagonia (South America, Chile): Discussing Occupation Intensity and Resource Exploitation Strategies for the Central Strait of Magellan during the Late Holocene (2500 BP – XVIII Century)
- 155-j Michael Neeley and Craig Lee—Assessing Cortex at the Beaucoup Site (24PH188/189) in Northern Montana
- 155-k Flavia Morello Repetto, Marta Alfonso-Durruty, Tom Amorosi, Víctor Sierpe and Manuel J. San Román—Junius Bird Collections from Sites Rockshelter 1, 2 and 3 (Beagle Channel, Patagonia, Chile)
- 155-l Jordan Pratt and Ted Goebel—Exploring the Age of Western Stemmed Points at the Nials Site, Harney Basin, Oregon
- 155-m Asia Alsgaard, Carolyn Freiwald, Stephanie Orsini, Douglas J. Kennett and Keith M. Prufer—Quantifying the Exploitation of Faunal Remains by Pre-ceramic Societies in Southern Belize
- 155-n Kevin Ripley, Laura Dzvonick, Tina Nupuf, Noble Eisenlauer and Ronald Faulseit—Convergence of Tears at Momonga: Spiritual, Social and Personal Interactions of the Multiethnic Mourning Ceremony

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**Friday Morning, April 13****[156] POSTER SESSION ■ ARCHAIC LANDSCAPES: POVERTY POINT AND THE BROADER AMERICAN SOUTHEAST****Room:** Exhibit Hall B South**Time:** 8:00 AM–10:00 AM**Chair:** Matthew Sanger**Participants:**

- 156-a Shannon Torrens—Moving Earth at Poverty Point: Investigating “Perforators” as Specialized Basket Making Tools
- 156-b Rebecca Hunt, Tiffany Raymond, Anna Patchen, Sarah Gilleland and Matthew Sanger—Prepared Floors on Mound A Revealed through Near-Surface Geophysics
- 156-c Tiffany Raymond, Carl P. Lipo, Matthew Sanger, Timothy de Smet and Anna Patchen—Magnetometer Surveys and the Complex Prehistoric Landscape of Poverty Point, Louisiana
- 156-d Sarah Gilleland, Jennifer Amico, Anna Patchen, Tiffany Raymond and Rebecca Hunt—The Rings of Poverty Point, UNESCO World Heritage Site: A Geophysical Investigation
- 156-e William Frazer, James Bourke, Timothy de Smet and Alex Nikulin —Seismic Survey of Poverty Point Mound A
- 156-f Michael Hargrave, R. Berle Clay, Diana Greenlee and Rinita Dalan—New Evidence for Poverty Point’s Complex Developmental History
- 156-g Alesha Marcum-Heiman and Diana Greenlee—Beyond the Boundaries: Systematic Survey of the Poverty Point Landscape
- 156-h Kelly Ervin—Parsing out the Pace of Occupation at Poverty Point

**[157] POSTER SESSION ■ REPORTS FROM THE JUNGLE: NEW AND ONGOING RESEARCH FROM THE THREE RIVERS REGION OF THE MAYA LOWLANDS****Room:** Exhibit Hall B South**Time:** 8:00 AM–10:00 AM**Chairs:** Melanie Saldana and Toni Gonzalez**Participants:**

- 157-a Michael Stowe—Settlement Pattern Analysis at the Medicinal Trail Community, Northwestern Belize: Results of Topographic Mapping from 2013-
- 157-b Michael Prout—Primary or Secondary Deposition: Midnight Terror Cave Operation V
- 157-c Neil Kohanski, Toni Gonzalez and Samantha Lorenz—Incensarios, Copal, and Speleothems: Interpreting the Function of Chultun 3 at Mul Ch'en Witz
- 157-d Gertrude Kilgore, Claire Novotny and Alyssa Farmer—Domestic Activity Areas in a Late Classic Residential Courtyard Group at Chan Chich, Belize
- 157-e Brian Waldo, Samantha Lorenz and Toni Gonzales—Investigating the Spatial Analysis of Chultuneob at Mul Ch'en Witz, Belize
- 157-f Christina Iglesias, Samantha Lorenz and Toni Gonzalez—Redefining the Relationship between the Surface and the Subterranean at Mul Ch'en Witz, La Milpa, Belize
- 157-g Colleen O'Brien, Sheldon Smith and Nicole DeFrancisco—Bench Please: A Comparative Analysis of Bench Features in Mesoamerica

- [158] SYMPOSIUM ■ MAS ALLÁ DE LA ARQUEOLOGÍA OFICIAL: MODELOS DE CO-PARTICIPACIÓN CON SECTORES PRIVADOS Y COMUNITARIOS PARA LA INVESTIGACIÓN ARQUEOLÓGICA EN OAXACA**  
**Room:** Truman  
**Time:** 8:00 AM–10:00 AM  
**Chair:** Pedro Ramon Celis

**Participants:**

- 8:00 Irma Cazares—"Teposcolula Viejo, Yucundaa, Oaxaca", Un proyecto Novedoso e Interdisciplinario, Modelo de Co-Participación Gubernamental y Privada en México
- 8:15 Olga Landa—La gestión y colaboración interinstitucional con la CFE y SCT para la protección del patrimonio arqueológico en Oaxaca
- 8:30 Pedro Ramon Celis—Proyecto Cerro del Gallo, Monte Albán, Oaxaca, participación comunitaria dentro de un proyecto de investigación arqueológica
- 8:45 Leobardo Pacheco Arias—Modelo de co-participación para la infraestructura de investigación en Atzompa
- 9:00 Axel Andrade Pérez and Karla Itzel López Carranco—Proyecto Arqueológico Cuenca del Río el Maíz: investigación científica y trabajo comunitario en Santos Reyes Nopala, Juquila, Oaxaca
- 9:15 Julio Ibarra—Trabajos de Conservación Arquitectónica en el Sitio Arqueológico de San Pedro Nexicho, Colaboración INAH-FAHHO-Comunidad
- 9:30 Nelly Robles García—Registro y Documentación 3D de la colección de Piedras Grabadas de Monte Albán, una experiencia participativa entre la sociedad civil e instituciones
- 9:45 Gerardo Gutiérrez—Discussant

- [159] SYMPOSIUM ■ ARCHAEOLOGY ON THE ATLANTIC SEABOARD AFTER HURRICANE SANDY**  
**Room:** Tyler  
**Time:** 8:00 AM–10:00 AM  
**Chair:** Timothy Ives

**Participants:**

- 8:00 Joseph Waller—History on the Edge: Loss of the Ocean State's Past
- 8:15 Timothy Ives—Window of Opportunity: Administering Hurricane Sandy Archaeology in Rhode Island
- 8:30 Kevin McBride—New Perspectives on the Native History and Archaeology of Block Island
- 8:45 Chris McCabe, Rod Mather and Timothy Ives—The Rhode Island Archaeological and Historical Geographic Information System (GIS) Development Project
- 9:00 Mary Farrell, Brian Bates, Craig Rose and Walter Witschey—The Longwood Vulnerability, Potential, & Condition (VPC) Assessment Method: A Case Study from a Hurricane Sandy Project in Virginia
- 9:15 Jennifer Sparenberg—Scylla or Charybdis? Prioritizing the Investigation of Sites Endangered by Natural Hazards
- 9:30 Catherine Labadia—Discussant
- 9:45 Darrin Lowery—Discussant

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**Friday Morning, April 13****[160] LIGHTNING ROUNDS ■ ENGAGING “ALTERNATIVE ARCHAEOLOGY” IN THREE MINUTES OR LESS!****Room:** Taft**Time:** 8:00 AM–10:00 AM**Moderator:** Khori Newlander**Participants:**

Matthew Kroot—Discussant  
Lauren Herckis—Discussant  
Kenneth Feder—Discussant  
Alexander Smith—Discussant  
David S. Anderson—Discussant  
Lisa Young—Discussant  
Jeb Card—Discussant  
Cameron Gokee—Discussant  
Ethan Watrall—Discussant  
Andrew White—Discussant

**[161] SYMPOSIUM ■ ARCHAEOLOGICAL PERSPECTIVES ON THE ANTHROPOCENE****Room:** Wilson B**Time:** 8:00 AM–10:15 AM**Chairs:** David Wright and Todd Braje**Participants:**

8:00 Thomas Leppard—The Anthropocene: Present Singular or Past Plural?  
8:15 Erle Ellis—Evolution of the Anthropocene  
8:30 Nicole Boivin—Who Owns the Anthropocene and Does It Matter?  
8:45 David Wright—Archaeology in the Age of the Anthropocene: How I Learned to Stop Worrying and Love the Bomb  
9:00 Tristram Kidder and Yijie Zhuang—The Tangled Roots of the Anthropocene: China from the Late Neolithic to the Song Dynasty  
9:15 Michael Heckenberger and Wetherbee Dorshow—Anthropocene Amazonia, Beyond the Buzzword: Centennial-Scale Anthropogenic Influences on Southern Amazonian Forests, 1000-2000 CE  
9:30 Torben Rick—Archaeology, Museums, and the Anthropocene  
9:45 Todd Braje and Matthew Lauer—A Meaningful Anthropocene?: Golden Spikes, Transitions, and Boundary Objects  
10:00 Isaac Ullah—Discussant

**[162] SYMPOSIUM ■ PRECLASSIC LIFEWAYS IN THE NORTHERN MAYA LOWLANDS****Room:** Washington Room 6**Time:** 8:00 AM–10:15 AM**Chair:** Evan Parker**Participants:**

8:00 Jeffrey B. Glover, Dominique Rissolo and Daniel Leonard—Sabanas and the Sea: The Yalahau's Ecological Niches and Preclassic Populations  
8:15 Ryan Collins—Selective Surplus: Material Networks in Formation at Yaxuná, Yucatan, Mexico (900 to 350 BCE)  
8:30 Barry Kidder, Jacob Welch, Scott Hutson and Shannon Plank—Us and Them: Regional Integration and Social Differentiation during the Terminal Preclassic at Ucanha, Yucatán, Mexico  
8:45 Nancy Peniche May and Lilia Fernandez Souza—The Ch'ulel of Architecture of Power: Preclassic Ritual Behavior in the Northern Maya Lowlands



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- 9:00 Betsy Kohut, George J. Bey III and Tomás Gallareta Negrón—A Re-evaluation of Yotholin Pattern-Burnished: Evidence of Early Preclassic Ceramics?
- 9:15 Melissa Galvan, William Ringle and Betsy Kohut—Recent Research on the Formative and Early Classic Periods in the Yaxhom Valley, Yucatán
- 9:30 Michael Smyth—Preclassic Settlement Hierarchy at Xcoch in the Puuc Region of Yucatan
- 9:45 Evan Parker, George J. Bey III and Tomás Gallareta Negrón—Middle Preclassic Greenstone Caches from Paso del Macho, Yucatan
- 10:00 E. Wyllys Andrews—Discussant

**[163] SYMPOSIUM ■ PIEDRAS NEGRAS REVISITED: WAR, ECONOMY, AND POPULATION IN THE GREAT CLASSIC MAYA RIVER KINGDOM**

**Room:** Madison A

**Time:** 8:00 AM–10:30 AM

**Chairs:** Andrew Scherer and Charles Golden

**Participants:**

- 8:00 Andrew Scherer, Charles Golden, Mónica Uriquizú and Griselda Pérez Robles—Recent Investigations of War, Economy, and Population at Piedras Negras, Guatemala
- 8:15 Mallory Matsumoto, Andrew Scherer and Omar Alcover—Fortified Capitals: Understanding Defensive Systems at Piedras Negras and Yaxchilan
- 8:30 Max Seidita and Charles Golden—The Economic Relationships of Epicentral and Peripheral Households at Piedras Negras, Guatemala
- 8:45 Shanti Morell-Hart—Changing Plant Economies and Diverse Plant Practices at Piedras Negras
- 9:00 Alejandra Roche Recinos and Javier Estrada—A Lithic Approach to Economic Organization at Piedras Negras, Guatemala
- 9:15 Joshua Schnell, Sarah Newman and Andrew Scherer—Animal, Human, and Crafted Bone from the S-Sector of Piedras Negras
- 9:30 Jennifer Kirker—Outside Looking In: The Piedras Negras Near Periphery Re-examined
- 9:45 Whittaker Schroder and Socorro Jimenez Alvarez—The Kingdom of Piedras Negras: A View from Mexico
- 10:00 James Doyle, Griselda Pérez Robles and Edwin Pérez Robles—New Advances in the Conservation of Monuments at Piedras Negras, Guatemala
- 10:15 David Webster—Discussant

**[164] SYMPOSIUM ■ NEW FINDINGS FROM THE FAR WESTERN PUEBLOAN REGION: PAPERS IN HONOR OF MARGARET LYNEIS**

**Room:** Madison B

**Time:** 8:00 AM–10:30 AM

**Chairs:** Karen Harry and Sachiko Sakai

**Participants:**

- 8:00 Laureen Perry—Margaret Weide Lyneis - Archaeologist, Professor, Mentor, Student, and Friend
- 8:15 James Allison—Ceramic Production and Exchange among the Virgin Anasazi, 30 Years Later
- 8:30 Sachiko Sakai—Changes in the Sources of Olivine-Tempered Ceramics and the Social Interaction Patterns among the Virgin Branch Ancestral Pueblo
- 8:45 Daniel Perez and Karen Harry—House 47: A Case Study of Abandonment and Trade in the Lowland Virgin Branch Puebloan Region

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- 9:00 Kevin Rafferty—Virgin Anasazi Settlement Patterns in Valley of Fire, Clark County, Nevada
- 9:15 Heidi Roberts, Janet Hagopian and Richard Ahlstrom—Margaret Lyneis and the Pottery Traditions of Corn Creek and Ash Meadows in Southern Nevada
- 9:30 William Willis—Reexamining Environmental Stress in Settlement Transitions: Implications for Understanding Settlement Patterns and Socio-environmental Response on the Shivwits Plateau
- 9:45 Paul Buck, Sachiko Sakai and Cheryl Collins—Prehistoric Population Aggregation of the Mt. Trumbull, AZ area
- 10:00 Philip Mink—Eastern Virgin Hinterlands: Ancestral Puebloan Settlement in Grand Canyon National Park
- 10:15 Phil Geib—The Kaiparowits Pueblos: Kayentan or Virgin Migrants?

**[165] SYMPOSIUM ■ ANDEAN HOUSEHOLDS, LIVING SPACES****Room:** Harding**Time:** 8:00 AM–10:30 AM**Chair:** Jean Hudson**Participants:**

- 8:00 Jerry D. Moore—Making Andean Houses: A Comparative Case Study
- 8:15 Carlos Osoreo and Bradley Parker—Comparing the Household Activities from Cerro la Guitarra (Zaña Valley, Peru)
- 8:30 Gabriel Prieto—Continuities and Discontinuities in a Thousand Year Old Fishing Village on Huanchaco Bay, North Coast of Peru: The Pampa la Cruz Case
- 8:45 Bradley Parker and Gabriel Prieto—Microartifact Analysis: An Application at Pampa La Cruz, Huanchaco, Peru
- 9:00 Questions and Answers
- 9:15 Jennifer Ringberg—Living Large at Cerro León: A Comparative Look at Living Spaces in the Early Intermediate Period Moche Valley
- 9:30 Brian Billman, Patrick Mullins and Jesús Briceño—Rooms, Houses, and Neighborhoods: Drone-Mapping and GIS Analyses of the Household Architecture at Cerro la Virgen, Moche Valley, Peru (AD 1100–1470)
- 9:45 Jean Hudson, Roberta Boczkiewicz, Brian Billman and Jesús Briceño—Bones Left Behind: Living Spaces at a Residential Compound at Cerro la Virgen, a Rural Chimu LIP Settlement
- 10:00 Kevin Vaughn, Christina Conlee, Sarah Kerchusky and Verity Whalen—Household Spaces in Nasca: A Comparison through Time
- 10:15 Donna Nash—Discussant

**[166] SYMPOSIUM ■ FROM BEARDED ARCHAEOLOGISTS AND CLOSET CHICKENS TO MULTIPLE PASTS AND THE ARCHAEOLOGY OF YESTERDAY: HONORING THE CAREER AND IMPACT OF LARRY J. ZIMMERMAN****Room:** Jackson**Time:** 8:00 AM–11:00 AM**Chair:** Jeremy Wilson**Participants:**

- 8:00 Jeremy Wilson, Elizabeth Kryder-Reid, Fiona McDonald and Paul Mullins—“First, Be Humble”: Reflections on Larry Zimmerman’s Impact on IUPUI and Indianapolis
- 8:15 Joseph Tiffany and Shirley J. Schermer—The Glenwood Phase Settlement System Revisited
- 8:30 John Doershuk—The University of Iowa American Indian Concerns Archaeological Field School—Putting the Zimmerman Vision to Work

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- 8:45 Kelly Branam Macauley—An Ethical Anthropology – What This Cultural Anthropologist Learned from Larry Zimmerman
- 9:00 Michael Blakey—The WAC Origins of the New York African Burial Ground Project
- 9:15 Ora Marek-Martinez—What Would Larry Do: Archaeological Practice with, by, and for Native American Communities
- 9:30 Desiree Martinez—Oh Captain, My Captain: Transforming the Practice of Archaeology
- 9:45 Randall McGuire—Setting Things Right: Indigenous Archaeology in Sonora, México
- 10:00 Claire Smith—Zimmerman's Influence on World Archaeology
- 10:15 George Nicholas—"Made Radical By My Own": Acknowledging the Debt Owed to Larry Zimmerman in Radicalizing Me
- 10:30 Kurt E. Dongoske—Discussant
- 10:45 Dorothy Lippert—Discussant

**[167] SYMPOSIUM ■ TRANSFORMING MARGINALITY: EXPLORING MOMENTS OF RAPID SOCIAL AND ECOLOGICAL CHANGE**

**Room:** Washington Room 2

**Time:** 8:00 AM–11:15 AM

**Chairs:** Grace Cesario and Kathryn Catlin

**Participants:**

- 8:00 Gerald F. Bigelow, Michael E. Jones and Casey Oehler—Coastal Geocatastrophes as Agents of Change on Multiple Time Scales: A Case Study from the Shetland Islands, UK
- 8:15 John Steinberg—The Viking Age Settlement of Iceland: The Change from Migrant Society to Settled Society
- 8:30 Sarah Breiter—A Long Relationship: The Reuse of Monastic Stones after the English Reformation
- 8:45 Gudny Zoega—The Inequalities of Households – Cemetery Management and Social Change in Early Medieval Iceland
- 9:00 Sant Mukh Khalsa—Of Fish and Plague: Death as Economic Opportunity at the Medieval Fishing Station of Gufuskálar, Iceland
- 9:15 James Woollett, Céline Dupont-Hébert, Paul Adderley, Guðrun Alda Gísladóttir and Natasha Roy —The Variable Resilience of Large and Small Holdings on the Svalbard Estate, NE Iceland: A Multidisciplinary Study of Farm Abandonments circa AD 1300
- 9:30 Megan Hicks, Árni Daníel Júlíusson, Ragnhildur Sigurðardóttir, Astrid Ogilvie and Viðar Hreinsson—A Movement at the Margins: An Icelandic Rural Transformation at the Edge of the 19th Century Atlantic World
- 9:45 Christopher Hernandez and Joel Palka—Examining Environment, Ecology and Patterns of Maya Culture at Mensabak, Chiapas, Mexico
- 10:00 Lauren Welch O'Connor and Douglas Bolender—Environmental Variation and the Sustainability of Farms: Investigating Effects of Erosion in Northern Iceland
- 10:15 Kathryn Catlin—Transforming Marginality in Medieval Iceland: Landscape Reorganization on Hegranes, Skagafjörður
- 10:30 Grace Cesario—Zooarchaeology of Marginality: An Investigation of Site Abandonment in Hegranes, North Iceland
- 10:45 Nicholas Zeitlin—Iron Production at Marginal Settlements in Northern Iceland
- 11:00 Questions and Answers

Friday Morning, April 13

**[168] SYMPOSIUM ■ 21ST CENTURY APPROACHES TO ARCHAEOLOGY, EDUCATION, AND THE PUBLIC***(Sponsored by SAA Public Education Committee)***Room:** Washington Room 3**Time:** 8:00 AM –11:15 AM**Chairs:** Elizabeth Reetz and Carol Colaninno-Meeks**Participants:**

- 8:00 Carol Colaninno-Meeks—The Need for Discipline-Based Education Research in Archaeology
- 8:15 Sarah Miller and Laura Clark—Assessment and Evaluation of Florida's Citizen-Science Program to Address Climate Change: Heritage Monitoring Scouts of Florida (HMS Florida)
- 8:30 Elizabeth Reetz—Integrating Archaeology and Environmental Education to Strengthen a Place-Based Curriculum
- 8:45 Samantha Kirkley—Connecting Project Archaeology and Girl Scouts Camps for Community-Based Learning Experiences at Ancestral Puebloan Sites in Utah
- 9:00 Rhianna Bennett—Deviating from the Standard: The Relationship between Archaeology and Public Education
- 9:15 Emily Beahm, Jodi Barnes and Elizabeth Horton—Gathering, Gardening, and Agriculture: Arkansas Archeological Survey's Plant-Based Public Archeology
- 9:30 Robert Connolly, Elizabeth Cruzado, Natalie Kramm and Dominique Giosa—Prioritizing the Expressed Community Needs in Educational Projects in Ancash, Peru
- 9:45 Ellen Moriarty and Matthew Moriarty—Kindling Curiosity: Assessing the Early Results of Educational Outreach and Archaeology in the South Lake Champlain Basin, Vermont
- 10:00 Katharine Ellenberger—Teaching the Possibilities and Politics of Digital Artifact Representations using Virtual Reality and 3D Printing
- 10:15 Ashley Stewart, J. Lynn Funkhouser, Avery McNeece, Christopher Lynn and Omega Rakotomalala—Anthropology Is Elemental: Teaching Children Using a Four-Field Approach
- 10:30 Jeremy Freeman—Using Rock Art as a Medium for Teaching STEM Concepts
- 10:45 Jeanne Moe—Discussant
- 11:00 Questions and Answers

**[169] SYMPOSIUM ■ THE STATE OF THE FIELD: CURRENT RESEARCH IN TARASCAN (PURÉPECHA) ARCHAEOLOGY: SESSION IN HONOR OF DOMINIQUE MICHELET****Room:** Delaware B**Time:** 8:00 AM–11:15 AM**Chairs:** Marion Forest and Anna Cohen**Participants:**

- 8:00 Claudia Espejel—Una síntesis de la historia prehispánica de Michoacán
- 8:15 Amy Hirshman—Petrographic Perspectives on the Ceramic Complexity in the Lake Pátzcuaro Basin
- 8:30 Kyle Urquhart—Ireta: An Ethnohistoric and Archaeological Model of P'urépecha Urban Politics
- 8:45 Christopher T. Fisher—Characterizing Purépecha Urbanism
- 9:00 Anna Cohen and Michael Galaty—Local Political Economies at Angamuco, Michoacán: Insights from Ceramic Archaeometry
- 9:15 Alex Garcia-Putnam, Melissa Murphy and Christopher T. Fisher—Bioarchaeological Insights into Social Resilience and Change during the Postclassic at the Ancient Purépecha City of Angamuco, Michoacán, Mexico

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- 9:30 Christine Hernandez and Dan Healan—The Ceramics and Chronology of the Ucareo-Zinapécuaro Obsidian Source Area, Michoacán, Mexico
- 9:45 Marion Forest, Elsa Jadot and Aurelie Manin—Houses in the City: Domestic Economy and Space at Malpaís Prieto, Michoacán
- 10:00 Antoine Dorison, Gregory Pereira and Marion Forest—Thirty Years Later. Revisiting the Tarascan City of Las Milpillas and Its Environment, Malpaís de Zacapu, Michoacán
- 10:15 José Luis Punzo Díaz—Tarascan Presence in Central South Michoacán. New Researches
- 10:30 Marie Arnaud—Cities on the Move across Northwestern Mesoamerica: Contribution by Dominique Michelet
- 10:45 Helen Pollard—Discussant
- 11:00 Dominique Michelet—Discussant

**[170] SYMPOSIUM ■ THE ARCHAEOLOGY OF MONEY, DEBT, AND FINANCE***(Sponsored by Society for Economic Anthropology)***Room:** Washington Room 5**Time:** 8:00 AM–11:30 AM**Chairs:** Joanne Baron and John K. Millhauser**Participants:**

- 8:00 John K. Millhauser—Financing the Domestic Economy: A Study of Craft Production and Technological Change in Central Mexico
- 8:15 Douglas Bolender and Eric Johnson—Marginal Lives and Fractured Families. The Hidden Archaeology of Household Debt and Instability in Medieval Iceland
- 8:30 Mary Morgan-Smith—Ts'uul y Páalitsil: Considering the Role of Debt at Rancho Kiuic, Yucatán, México
- 8:45 Patricia Wattenmaker—Wealth Building in Early Urban Mesopotamia: Strategies and Ideologies
- 9:00 Stephen Kowalewski—Economic Institutions in Ancient Greece and Mesoamerica
- 9:15 Benjamin Luley—Money and Inequality in Roman Mediterranean Gaul, ca. 125 B.C.–A.D. 100
- 9:30 Lynn Gamble—Origin and Use of Shell Bead Money in Southern California
- 9:45 Questions and Answers
- 10:00 Scott Fitzpatrick—Banking on Stone Money: The Influence of Traditional “Currencies” on Blockchain Technology
- 10:15 Jeffrey Fleisher and Stephanie Wynne-Jones—The Copper Coins of the Kilwa Region, Tanzania, AD 1000–1500: Creating a Regional Currency in an Indian Ocean World of Coins
- 10:30 Joanne Baron—Making Change: Currency Use and Social Transformation among the Classic Maya
- 10:45 Daniel Souleles—Discussant
- 11:00 Kathryn Sampeck—Discussant
- 11:15 Terence Daltroy—Discussant

**[171] SYMPOSIUM ■ THINGS WITH A MIND OF THEIR OWN: THE ARCHAEOLOGY OF NON-HUMAN AGENCY****Room:** Washington Room 1**Time:** 8:00 AM–11:30 AM**Chair:** Monica L. Smith**Participants:**

- 8:00 Monica L. Smith—Nature as Agent: Mass-Event, Incremental, and Biotic Perspectives

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- 8:15 Matthew Peros—Hurricanes as Agents of Cultural Change: Integrating Paleotempestology and the Archaeological Record
- 8:30 Jennifer Kahn—The Role of Short-Term and Catastrophic Climatic Events and Human-Induced Landscape Change in Society Island Cultural Transformations
- 8:45 Kanika Kalra—The Agency of Monsoons in South Asia
- 9:00 Stephanie Salwen—The Agency of Flowing Water in Human Mobility and Interaction
- 9:15 Jordan Pickett—Earthquakes as Nonhuman Agents in the Roman – Late Antique Mediterranean
- 9:30 Joseph Lehner—The Metallurgical Cycle and Human Responses to Material Fatigue
- 9:45 Questions and Answers
- 10:00 Harper Dine, Traci Ardren and Chelsea Fisher—Vegetative Agency and Social Memory in Houselots of Ancient Cobá
- 10:15 Sarah Inskip and John Robb—Acts of God? Causation and Agency in Disease History
- 10:30 Gerard Chouin—Unthinkable Opportunities: Managing Mass Mortality and Transforming Society in the Context of the Second Plague Pandemic in Late Medieval Sub-Saharan Africa, ca. 1300 to 1500 AD
- 10:45 Katelyn Bishop—Bird Behavior and Biology: A Consideration of the Agentive Role of Birds in Chaco Canyon, New Mexico
- 11:00 Seth Quintus, Jennifer Huebert and Kyungsoo Yoo—Examining the Impacts of Non-human Animals on Sequences of Agricultural Change
- 11:15 Steven Ammerman—Animal Agents in the Human Environment

**[172] SYMPOSIUM ■ AT-RISK WORLD HERITAGE AND THE DIGITAL HUMANITIES**

*(Sponsored by University of California Office of the President—Research Catalyst Award)*

**Room:** Thurgood Marshall Ballroom East

**Time:** 8:00 AM–11:30 AM

**Chairs:** Nicola Lercari and Arianna Campiani

**Participants:**

- 8:00 Thomas E. Levy and Margie Burton—At-Risk World Heritage and the Digital Humanities – An Overview of the UC Office of the President’s Research Catalyst Project
- 8:15 Ashley Lingle, Nicola Lercari, Arianna Campiani, Manuel Duenas Garcia and Anaïs Guillem—Terrestrial Laser Scanning and Conservation of At-Risk World Heritage
- 8:30 Arianna Campiani, Nicola Lercari and Ashley Lingle—Analytical Models for At-Risk Heritage Conservation and 3D GIS
- 8:45 Genevieve Lucet and Irais Hernández—About the Reliability of Archaeological Information
- 9:00 Christopher McFarland, Ho Jung Yoo, Rosemary Elliott Smith, Thomas E. Levy and Falko Kuester—Online Data Curation: CAVEBase, ArchaeoSTOR, University Libraries and Long-Term Digital Archiving
- 9:15 Francis McManamon and Leigh Anne Ellison—The Digital Archaeological Record (tDAR): An Archive for 21st Century Digital Archaeology Curation
- 9:30 Eric Kansa and Sarah Witcher Kansa—Beyond Solutionism? Digital Data and Threatened Cultural Heritage
- 9:45 Willeke Wendrich—At Risk Cultural Heritage and the Power of Communities
- 10:00 Deidre Whitmore and Willeke Wendrich—DIG: Digital Information Gateway to Sustainable Reuse

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- 10:15 Jurgen Schulze, Connor Smith, Philip Weber, Thomas DeFanti and Thomas E. Levy—3D Cyber-Archaeology Dissemination through Scientific Visualization - Personal and Large-Scale Virtual Reality Platforms
- 10:30 Benjamin Porter, Christopher Hoffman and Kea Johnston—Object Photogrammetry at the Phoebe Hearst Museum of Anthropology: Opportunities and Challenges
- 10:45 Christopher Hoffman and Michael Black—CollectionSpace at the Phoebe A. Hearst Museum of Anthropology: A Strategic Information Platform for Cultural Heritage Collections
- 11:00 Ruth Tringham—Discussant
- 11:15 Questions and Answers

**[173] SYMPOSIUM ■ THE TIES THAT BIND AND THE WALLS THAT DIVIDE: PREHISTORIC TO CONTEMPORARY MAYA MANIPULATION OF SOCIAL SPACE**

**Room:** Lincoln 2

**Time:** 8:00 AM–11:30 AM

**Chairs:** Thomas Guderjan and Jennifer Mathews

**Participants:**

- 8:00 Thomas Guderjan, Jopshua Kwoka, Colleen Hanratty and Sara Eshleman—Albarradas, Solarés, and Classic Maya Land Tenure in Northwestern Belize
- 8:15 J. Gregory Smith, Alejandra Alonso Olvera, Soledad Ortiz and Atasta Flores—Boundary Dynamics between Chichen Itza and Ek Balam
- 8:30 Daniel Vallejo-Caliz and Scott Hutson—Regional Integration during the Late Preclassic in Uci, Yucatán
- 8:45 Stephanie Miller, Aline Magnoni, Traci Ardren and Travis Stanton—Coba's Periphery and Rethinking Site Boundaries
- 9:00 Ashley Booher and Brett A. Houk—Processional Architecture at Chan Chich, Belize
- 9:15 Justine Shaw—Sacbeob in the Cochuah Region: Barriers or Links?
- 9:30 Samantha Krause, Timothy Beach, Sheryl Luzzadder-Beach, Thomas Guderjan and Fred Valdez—Canals, Sacbeob and Defining Space in Ditched Agricultural Fields in the Three Rivers Region, Northwestern Belize
- 9:45 Payson Sheets and Christine C. Dixon—Constructing the Social Fabric of a Community: Household Service Relationships to the Ceren Village
- 10:00 Bernadette Cap, M. Kathryn Brown and Whitney Lytle—The Axis Connecting Classic Maya Economy and Ritual at Xunantunich, Belize
- 10:15 Jennifer Mathews—Taming the Maya Jungle: Decauville Railroads in 19th and Early 20th Century Yucatán
- 10:30 Rani Alexander—Cross Markers and Commemorating Place in the Titles of Ebtún, Yucatán
- 10:45 Tiffany Cain—Kept Out or Closed In? An Analysis of Civilian Fortification Strategies during the Maya Social War
- 11:00 Hector Hernandez, Francisco Canseco and Joaquin Venegas—Industrial Heritage and Henequen Landscapes: The Social Spaces along the Conkal-Progreso Railway in Northern Yucatan (1886–1950)
- 11:15 Grace Lloyd Bascopé—An Ethno-ecological View of the Evolution of "Solares": A Yucatan Maya Houselot Case Study

Friday Morning, April 13

**[174] SYMPOSIUM ■ THE HUMAN ODYSSEY IN EARTH'S HIGH MOUNTAINS AND PLATEAUS****Room:** Lincoln 3**Time:** 8:00 AM–11:30 AM**Chairs:** Brian Stewart and Kurt Rademaker**Participants:**

- 8:00 Brian Stewart and Kurt Rademaker—On the Trail of *Homo* through Earth's High Mountains and Plateaus
- 8:15 Yu-chao Zhao and Brian Stewart—Tracing Late Quaternary Highland-Dryland Social Connectivity in Southern Africa with Ostrich Eggshell Bead Strontium Values: Preliminary Results
- 8:30 Ralf Vogelsang—The Mountain Exile Hypothesis: How Humans Benefited from African High Altitude Ecosystems in Ethiopia
- 8:45 Elham Ghasidian and Saman Heydari-Guran—Cultural Diversity in the Zagros Mountains and the Expansion of Modern Humans into the Iranian Plateau
- 9:00 Federica Fontana—Southern Alpine Late Paleolithic and Mesolithic landscapes
- 9:15 David Rhode—Tibet before Pastoralism
- 9:30 Jason LaBelle and Kelton Meyer—Passing Through or Settling Down? Paleoindian Occupation of Colorado's Southern Rocky Mountains, USA
- 9:45 Christopher Morgan—High Altitude Settlement as Evolutionary Process
- 10:00 Kurt Rademaker—An Interdisciplinary Approach to Investigate Early Andean Settlement Dynamics and Adaptation
- 10:15 Elizabeth Pintar and María Fernanda Rodríguez—12,500 Years of Altitude
- 10:30 Questions and Answers
- 10:45 Mark Aldenderfer—Discussant
- 11:00 Nicholas Conard—Discussant
- 11:15 Bonnie Pitblado—Discussant

**[175] SYMPOSIUM ■ URBANISM, PRODUCTION, AND EMPIRE: NEW CASE STUDIES FROM ANGKORIAN CAMBODIA****Room:** Lincoln 4**Time:** 8:00 AM–11:30 AM**Chair:** Sarah Klassen**Participants:**

- 8:00 Michael Coe—Discussant
- 8:15 Roland Fletcher—Discussant
- 8:30 Piphall Heng, Miriam Stark, Peter Grave, Lisa Kealhofer and Darith Ea—Angkorian Settlements and Interactions in the Cambodia Middle Mekong Region
- 8:45 Christophe Pottier—The Challenge of the Grid: A Conceptual Frontier in Angkor?
- 9:00 Alison K. Carter, Piphall Heng, Miriam Stark, Rachna Chhay and Damian Evans—Urbanism and Residential Patterning in Angkor
- 9:15 Rachna Chhay, Piphall Heng, Visoth Chhay and Yukitsugu Tabata—Changing Angkorian Stoneware Production Modes: Bang Kong Kiln and Thnal Mrech Kiln
- 9:30 Yukitsugu Tabata—Techno-morphological Approach to the Stoneware Production in Angkor
- 9:45 Miriam Stark, Peter Grave, Lisa Kealhofer, Darith Ea and Boun Suy Tan—Urban Economies and State "Peripheries": Angkorian Stoneware Ceramic Production and Distribution
- 10:00 Mitch Hendrickson, Stéphanie Leroy, Quan Hua, Kaseka Phon and Enrique Vega—Space, the Iron Frontier: Production, Spatial Organization and Historicity of Iron Metallurgy within the Angkorian Khmer Empire, Cambodia (9th to 15th c. CE)



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- 10:15 Stéphanie Leroy, Mitch Hendrickson, Emmanuelle Delque-Kolic, Enrique Vega and Philippe Dillmann—IRANGKOR Project: Production, Trade and Consumption of Iron in the Khmer Empire, Cambodia (9th to 15th c. CE)
- 10:30 Kendall Hills—Networks of Power: Sandstone Temple Production in the Provinces of the Angkorian Khmer Empire
- 10:45 Sarah Klassen—The Adaptive Capacity of the Water Management System of Angkor, Cambodia
- 11:00 Dan Penny and Tegan Hall—Urban-Palaeoecology of Cambodia's 'Middle Period'
- 11:15 Damian Evans—The Past, Present and Future of Archaeological Lidar: A View from Southeast Asia

**[176] SYMPOSIUM ■ MAYA HIGHLAND AND PACIFIC COASTAL ARCHAEOLOGY: CONTINUING DEBATES ON INTERACTION**

**Room:** Lincoln 5

**Time:** 8:00 AM–11:45 AM

**Chair:** Eugenia Robinson

**Participants:**

- 8:00 Virginie Renson, Marx Navarro Castillo, Andrea Cucina, Brendan J. Culleton and Hector Neff—Tracing Mobility in Pacific Coast and Highlands of Southern Mexico during the Classic Period
- 8:15 Hector Neff—Cash Potting in Soconusco: The Case of Tohil Plumbate
- 8:30 Oswaldo Chinchilla—Natural Corridor or Challenging Route? Rethinking Pre-Hispanic Communications across the Pacific Coast of Guatemala
- 8:45 Barbara Arroyo, Gloria Ajú and Javier Estrada—Residential Compounds At Kaminaljuyu: Evidence Of Long Distance Interaction
- 9:00 Lucia Henderson—Looking Beyond Teotihuacan in the Art and Architecture of Early Classic Kaminaljuyu
- 9:15 Gavin Davies—Routes of Resilience and Dependency in the Lake Atitlan Basin of Highland Guatemala
- 9:30 Eugenia Robinson and Marlen Garnica—Cakhay: A Strategic Classic Center in the Kaq'chik'el Maya Area
- 9:45 Questions and Answers
- 10:00 Guido Pezzarossi and Kelton Sheridan—Overlapping and Shifting Networks: Comales, Spouses and Other Social/Material Interactions between/within Highlands and Coast in Colonial Guatemala
- 10:15 Chloé Andrieu, Edgar Carpio, Brent Woodfill and Arthur Demarest—Not All Distance Is Kilometric... Obsidian Procurement and Exchange at Salinas de los Nueve Cerros and Cancuen
- 10:30 Megan Leight, Brent Woodfill and Alexander Rivas—The Production and Exchange of Perishable Goods at Salinas de los Nueve Cerros and atop the Coban Plateau
- 10:45 Lynneth Lowe—Chiapa de Corzo: rutas de intercambio e interacción cultural entre las regiones zoque y maya
- 11:00 Francisco Estrada-Belli—Discussant
- 11:15 Arthur Demarest—Discussant
- 11:30 Geoffrey Braswell—Discussant

Friday Morning, April 13

**[177] SYMPOSIUM ■ WHAT'S HOT IN PYROTECHNOLOGY? CONTROLLING FIRE FROM CAMPFIRES TO CRAFTSPEOPLE****Room:** Marriott Salon 2**Time:** 8:00 AM–11:45 AM**Chairs:** Ellery Frahm, Michelle Young and Lingyi Zeng**Participants:**

- 8:00 Russell Cutts, Ervan Garrison and Douglas Crowe—Macro- and Microscopic Effects of Heating in Lithics: Potential Indicators of Human-Controlled Fire?
- 8:15 Alexander Brittingham, Michael Hren, Gideon Hartman, Keith Wilkinson and Daniel Adler—Organic Molecular Proxies for Fire in Archaeological Sediments
- 8:30 Aureade Henry, Julie Esdale, Ted Goebel, Kelly Graf and Aleksei Teten'kin—No Fire without Wood? Some Reflections on Late Pleistocene Pyrotechnology in Northern Tundra Environments (East Siberia, Interior Alaska)
- 8:45 Ilaria Patania, Susan Mentzer, Xiaohong Wu, David Cohen and Paul Goldberg—Reconstruction of Pyrotechnology Connected with the Earliest Pottery. Micromorphology and -FTIR at Xianrendong and Yuchanyan, South China
- 9:00 Grant Snitker—Anthropogenic Fire and the Origins of Agricultural Landscapes during the Neolithic Period (7,700–4,500 cal. BP) in Eastern Spain
- 9:15 Nathaniel Erb-Satullo—Early Iron Metallurgy in the Caucasus: Filling in a Technological "Missing Link"
- 9:30 Ken Seligson, Soledad Ortiz Ruiz and Luis Barba Pingarrón—Prehispanic Maya Burnt Lime Production: Previous Studies and Future Directions
- 9:45 Travis Stanton—Maya Ceramic Technologies for Avoiding the Catastrophic Failure of Cooking Pots
- 10:00 Vera Tiesler—Embodying the Sun. Pyrotechniques as Part of Human Sacrifice in Ancient Mesoamerica
- 10:15 Anna Roosevelt—Large Centralized Fired-Clay Cooking Stoves of Communal Households on Marajoara Mounds at the Mouth of the Amazon c. AD 400–1100
- 10:30 Lingyi Zeng and Jianxin Jiang—SEM-EDS Analysis of Ceramics from the Mongol Empire
- 10:45 Chengrui Zhang and Rowan Flad—A Song Dynasty Roof Tile Kiln at Qijiaping: Gender and Pyrotechnology in Medieval China
- 11:00 Matthew Chastain, Jianli Chen and Xingshan Lei—Identifying the "Why" Of Ancient Engineering Choices: Materials Performance and the Production of Ceramic Bronze-Casting Molds in Zhou-Period China
- 11:15 Ioana Dumitru, Joseph Lehner and Michael Harrower—Modelling the Connectivity of Socioeconomic Networks of Copper Production in Ancient Northern Oman
- 11:30 Augusto Oyuela-Caycedo and Florencio Delgado Espinoza—From Cooking to Smelting, the Social Technology of Pyrotechnology of Earth Ovens

**[178] SYMPOSIUM ■ NO LONGER A TRANSITIONAL ZONE: LOCAL DEVELOPMENTS, INTERACTION, AND EXCHANGE IN THE CEJA DE SELVA****Room:** Thurgood Marshall Ballroom South**Time:** 8:00 AM–11:45 AM**Chairs:** Ryan Clasby and Warren Church**Participants:**

- 8:00 Kenneth Young—Ecology and Human Habitation of Andean Forests
- 8:15 Francisco Valdez—Mayo Chinchipe-Marañón Complex, the Unexpected Spirits of the Ceja
- 8:30 Atsushi Yamamoto—Emergence of Sociopolitical Complexity in Northern Peru: A Diachronic Perspective from the Huancabamba Valley

Friday Morning, April 13

- 8:45 Ryan Clasby—Through the Forest: North-South Interregional and Intraregional Interaction along the Eastern Edge of the Andes during the Early Intermediate Period
- 9:15 Estanislao Pazmiño—Entre los Andes y la Selva: Una aproximación al desarrollo prehispánico en el valle del Alto Upano, Ecuador
- 9:30 Eisei Tsurumi, Cesar Sara and Yuichi Matsumoto—Settlement Pattern Study on the Early Occupations in the Upper Huallaga Basin, Northern Peru
- 9:45 Jason Nesbitt—Late Initial Period (1100–800 B.C.) Interaction between the Highlands and Ceja de Selva of North-Central Peru: A Case Study from Canchas Uckro, Eastern Ancash
- 10:00 Warren Church—A Record of Changing Pulses and Pathways of Interregional Interaction from Manachaqui Cave in the Northeastern Peruvian Cloud Forest
- 10:15 Anna Guengerich—The Messy East: Regional Models and Their Complications in the Chachapoyas Area of Peru
- 10:30 Brian McCray—Tracing Interaction Networks in a Mosaic of Politico-Geographical Regions at the Site of Wimba, Amazonas, Peru
- 10:45 Ryan Hechler—Over the Andes, and Through their Goods: Integration Period Relations in Northern Ecuador
- 11:00 Inge Schjellerup—The Capac ñan from Chachapoyas to the Tierra adentro
- 11:15 Richard Burger—Discussant
- 11:30 Warren DeBoer—Discussant

**[179] SYMPOSIUM ■ ARCHAEOLOGY, HISTORY AND OSTEOLOGY OF A 19TH CENTURY MEDICAL WASTE DEPOSIT AT POINT SAN JOSE, SAN FRANCISCO**

**Room:** Washington Room 4

**Time:** 8:00 AM –11:45 AM

**Chairs:** P. Willey and Peter Gavette

**Participants:**

- 8:00 Peter Gavette—Resurrecting Bentley: Etiology of a Surgeon's Detritus
- 8:15 Angela Locke Barton—Shards of Medical History: Artifacts from the Point San Jose Hospital Medical Waste Pit
- 8:30 Kasey Cole and Kelsie Hart—Faunal Remains from Point San Jose: Analysis of Butchery Patterns and Implications for Site Context
- 8:45 Maria Cox and Valerie Sgheiza—Number Games: MNI and Element Representation in the Point San Jose Collection
- 9:00 Valerie Sgheiza and P. Willey—Demography of Skeletal Remains from Point San Jose
- 9:15 Eric Bartelink and Sarah Hall—Region of Origin Predictions of Human Remains from a Late 19th Century Medical Waste Pit: Oxygen and Strontium Isotope Evidence from the Point San Jose Hospital, San Francisco
- 9:30 Sarah Hall, Eric Bartelink and Julia Prince-Buitenhuys —Dietary Variation at Point San Jose, San Francisco: Stable Isotope Evidence from a Late 19th Century Medical Waste Pit
- 9:45 P. Willey—Stature of Adult Human Remains from Point San Jose
- 10:00 Kristen Broehl, Colleen Milligan, Kelsie Hart, Karin Wells and Vanessa Reeves—Paleopathology and Non-specific Indicators of Stress from Point San Jose
- 10:15 Colleen Milligan, Eric Bartelink, Sarah Hall, Maria Cox and Alexandra Perrone—Paleopathology and Dental Disease from Point San Jose
- 10:30 Mallory Peters, Jessica Curry and Eric Bartelink—Analysis of Anatomical Dissection at Point San Jose Hospital, Fort Mason, San Francisco
- 10:45 Ashley Kendell and Colleen Milligan—Resurrectionists, Criminals, and the Unclaimed: Social Context of Cadavers in the 19th Century

Friday Morning, April 13

- 11:00 Kenneth Nystrom—Discussant  
 11:15 Allison Vanderslice—Discussant  
 11:30 Questions and Answers

**[180] SYMPOSIUM ■ METHODOLOGY AND INTERPRETATION IN THE ARCHAEOLOGY OF ROCK ART**

**Room:** Lincoln 6

**Time:** 8:00 AM–12:00 PM

**Chairs:** Lenville Stelle and Victoria Roberts

**Participants:**

- 8:00 Marsha Sims—A Mesoamerican Culture Hero Legend in Western U.S. Rock Art  
 8:15 Leah McCurdy and M. Kathryn Brown—Plaster Art: “Graffiti” in a Sage’s Chamber at El Castillo Acropolis of Xunantunich, Belize  
 8:30 Melinda Leach—Rock Art in the High Rock Country: A Contextual View  
 8:45 Sarah Sherwood, Jan Simek and Alan Cressler—In the Morning House: The Redhorn Cycle Depicted in Rock Art from Kentucky  
 9:00 Carolyn Boyd—Soul Expression: Speech-Breath in Pecos River Style Rock Art  
 9:15 Bryn Tapper—Petroglyphs on the Periphery: Rock Art in the Canadian Maritimes  
 9:30 Lenville Stelle—Pictographs on Artery Lake, Bloodvein River System, Extreme Northwest Ontario, Canada  
 9:45 Julio Amador—Rock Art at Chalcatzingo, Morelos: Methodology and Techniques for Recording, Documenting and Elaborating Preservation Strategies  
 10:00 Silvia Tomaskova and Muzi Msimanga—Different Methods for Different Strokes: Petroglyphs in the Northern Cape, South Africa  
 10:15 Radoslaw Palonka—Documentation, Methodology and Interpretation of Rock Art from Castle Rock Community, Canyons of the Ancients National Monument, Colorado  
 10:30 Victoria Roberts, Jerod Roberts, Charles Koenig and Karen Steelman—Research Questions Driving Rock Art Recording Methodology in the Alexandria Project  
 10:45 David Whitley and Tony Quach—In-Situ pXRF Analysis of Episodic Pictograph Production  
 11:00 Amanda Castañeda, Charles Koenig, Karen Steelman and Marvin Rowe—Portable X-ray Fluorescence of Lower Pecos Mobiliary Art: New Insights Regarding Chaîne Opératoire, Context, and Chronology  
 11:15 Karen Steelman, Liam Brady, John Bradley and Amanda Kearney—Dating the Spirit Men: Radiocarbon Dating Saltwater Rock Art of the Yanyuwa People in Northern Australia  
 11:30 Jerod Roberts, Victoria Roberts, Amanda Castañeda and Carolyn Boyd—A Feasibility Analysis of Rock Art Recorded Thus Far for the Alexandria Project  
 11:45 Sandra Olsen—Enhancing Access to Arabian Rock Art Archives

**[181] SYMPOSIUM ■ MATTERING IMPERIAL POLITICS: HUMAN-THING PARTNERSHIPS IN LOCAL PRODUCTIONS OF POWER**

**Room:** Marriott Salon 3

**Time:** 8:00 AM–12:00 PM

**Chair:** Tamara Bray

**Participants:**

- 8:00 Tamara Bray—Discussant  
 8:15 Astrid Van Oyen—Storage and Empire: Choreographies of Time and Matter at Rome’s Harbours

Friday Morning, April 13

- 8:30 Anna Boozer—Material Collaborators: Making and Unmaking Roman Imperial Power at Trimithis (Dakhleh Oasis, Egypt)
- 8:45 Rowan Flad—Little Bronze Things: What They Do and How They Do It in the Early Bronze Age in NW China
- 9:00 Bryan Miller—Objects of Action and the Practice of Empire in Xiongnu Inner Asia
- 9:15 Alice Yao—How to Dig a Drinking Well: Watery Politics on China's Han Frontier
- 9:30 Patrick Ryan Williams and John Janusek—Wari Huamani, Tiwanaku Apu, and the Political Work of Things
- 9:45 Stanislava Chavez—Objects of Power and Power of Objects: Tiahuanaco Burial Assemblages in Cundisa (Copacabana, Bolivia)
- 10:00 Paul Goldstein—Walking in Tiwanaku Shoes: Small Things, Quotidian Cues and Tiwanaku Identities in Diaspora
- 10:15 Darryl Wilkinson—Not Becoming Inka: Anarchism as a Set of Human-Thing Relationships
- 10:30 Axel Nielsen—Chullpas and the Political Relations with the Inside-World in the Inka Empire
- 10:45 Lisa Overholtzer—Previous Material Entanglements and the Rise of the Aztec Empire
- 11:00 Enrique Rodriguez—Coins and Empire in Sixteenth-Century Mexico
- 11:15 Francois Richard—Imperial Mixtures and Paradoxes of Government in Colonial Senegal
- 11:30 Susan Kus and Victor Raharijaona—The “Private(s)” Is(Are) Political: Girding One's Loins for Work, for Battle, for Provocation, and Ungirding for Insurgency
- 11:45 Lori Khatchadourian—Soviet Materiality and Its Ruins

**[182] SYMPOSIUM ■ 2018 FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF VANCE T. HOLLIDAY**

*(Sponsored by Fryxell Award Committee)*

**Room:** Marriott Salon 1

**Time:** 8:00 AM–12:00 PM

**Chairs:** David Meltzer and Christopher Roos

**Participants:**

- 8:00 David Meltzer—The Geoarchaeological Contributions of Vance T. Holliday
- 8:15 John Hoffecker—A North American Plains Perspective on the East European Paleolithic
- 8:30 Joshua Reuther, Ben Potter, Nancy Bigelow, Charles Holmes and Francois Lanoe—Beringian Landscapes and Human Responses in the Middle Tanana Valley, Alaska
- 8:45 Garry Running—Sand, Rivers, Glacial Lakes and the Prairie-Forest Border: A Doc Holliday Student Heads North
- 9:00 Matthew E. Hill, Cerisa R. Reynolds, James Mayer and John P. Laughlin—A Reexamination of the Nature and Context of the Finley Paleoindian Bison Bonebeds in Southwest Wyoming
- 9:15 William Reitze—Of Truck Tires and Kelly Bars: Geoarchaeological Perspectives of a Toolpusher
- 9:30 Bruce Huckell—Black and Blue, Red and Yellow: Clovis Exploitation of a Central New Mexico Lithic Source
- 9:45 Jesse Ballenger—Doc Holliday Goes to Tombstone
- 10:00 Questions and Answers
- 10:15 Christopher Roos and William Hockaday—Late Pleistocene and Early Holocene Biomarkers from Stratified and Cumulic Soils in Highland Environments of the

Friday Morning, April 13

- Jemez Mountains, New Mexico
- 10:30 Jill Onken—Chacoan Outlier Depopulation and 12th Century Arroyo Cutting near Zuni Salt Lake, New Mexico
- 10:45 D. Shane Miller, Cody Oscarson, Hunter Saunders, Jesse Tune and Derek Anderson—The Swag Site (38AL137): Yet Another Paleoindian Site at the Allendale Quarries in South Carolina
- 11:00 Eileen Johnson, Stance Hurst and John Moretti—Spring Creek Drainage - Geoarchaeological Explorations along the Southern High Plains Eastern Escarpment, Northwest Texas
- 11:15 Rolfe Mandel—The Contributions of Vance T. Holliday to the Earth Sciences
- 11:30 Paul Goldberg—Soils, Sediments, Archaeology, Micromorphology, and Vance Holliday
- 11:45 Vance Holliday—Discussant

**[183] SYMPOSIUM ■ WHAT TO DO WITH THE INTANGIBLE AND TRANSIENT: HISTORIC PROPERTIES THAT CHALLENGE TRADITIONAL RULES FOR EVALUATING SIGNIFICANCE AND INTEGRITY**

**Room:** Taft

**Time:** 10:30 AM–11:30 AM

**Chair:** Karen Garrard

**Participants:**

- 10:30 Glenn Darrington, Kathryn McDonald, Mary Rogers and Kevin Askan—Trails, Trees, and Transmission Lines – A Holistic Cultural Resource Study Involving the Jocko Wilderness Area
- 10:45 Michael Striker, Bridget Striker and Eric Jackson—Documenting Association of Properties with the Underground Railroad
- 11:00 Karen Garrard—Where Are the Boot Marks? Evaluating the Overmountain Victory National Historic Trail
- 11:15 Michael Dice, David Barrackman, Rebekka Knierim and Darren Schubert—Prehistoric Lake Cahuilla Shorelines Identified Using a Systematic Satellite Photograph and Ground Truth Methodology, Salton Sea Region, Imperial County, California

**[184] POSTER SESSION ■ CHRONOLOGY**

**Room:** Exhibit Hall B South

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 184-a Daniel Cassedy, Matthew Jorgenson and Peter Sittig—New Data on Archaic Period Chronology and Raw Material Variation from a Stratified Archaic Site in the Appalachian Summit Region
- 184-b Lorena Becerra-Valdivia, Thibaut Devière, Thomas W. Stafford Jr., Michael Waters and Tom Higham—Comparison of Preparative Chemistry Methods for the Radiocarbon Dating of Anzick Site, Montana
- 184-c Gina Buckley, David Carballo, Daniela Hernández Sariñana, Kenneth Hirth and Douglas J. Kennett—Bayesian 14C Chronology of Tlajinga, Teotihuacan Compounds 17 & 18
- 184-d Omar Reyes, César Méndez and Manuel J. San Román—Chronology of the Human Occupation of the North-western Channels of Patagonia (43°-46° S), Chile
- 184-e Emily McCuiston—Evaluating the Radiocarbon Record of the Lower Pecos Canyonlands
- 184-f Galen McCloskey—Analysis of Prehistoric Flagstaff Cultural Developments

184-g Evan Giomi—The Chronology of Goat-Springs Pueblo

**[185] POSTER SESSION ■ BIOARCHEOLOGY: THE OLD WORLD**

**Room:** Exhibit Hall B South

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 185-a Ashley Maxwell and Robert H. Tykot—Stable Isotope Analysis of the Diet of Romans and Langobards in the Veneto from Late Antiquity to the Medieval Period
- 185-b Alina Karapandzich and Paul Nick Kardulias—Zero to Hero: Elite Burials and Hero Cults in Early Iron Age Greece and Cyprus
- 185-c Sarah Poniros—The Bioarchaeology of Diversity: A Case Study in the Roman Empire
- 185-d Emilie Cobb, Jess Beck, Colin Quinn and Horia Ciugudean—Health and Mortuary Treatment in Early Bronze Age Transylvania
- 185-e David Hansen and Elissa Bullion—Cranial Modification in Medieval Central Asia
- 185-f Matthew Fuka—Enthesal Changes in Bronze and Early Iron Age Mongolia
- 185-g Tommy Budd—Biological Kinship and Cemetery Organization in Eastern Zhou Period China

**[186] POSTER SESSION ■ LITHIC ANALYSIS IN NORTH AMERICA**

**Room:** Exhibit Hall B South

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 186-a Justin Williams and Richard M. Niquette—From Clovis to Dalton: Key Differences in Hafted Biface Resharpener
- 186-b S. Joey LaValley—Elko Litter: Analyses of an Elko Series Point Manufacturing Site in Central Nevada
- 186-c Scott Sunell—Cultural Dimensions of Toolstone Variability in the Santa Barbara Channel Region, California
- 186-d Joseph Birkmann and Bruce Huckell—AZ BB:13:70 A Buried Middle Archaic Occupation in the Tucson Basin, Southeastern Arizona
- 186-e Emily Hull, Nathan Goodale, Alissa Nauman and Colin Quinn—Lithic Raw Materials and Social Landscapes: Mica-Lamented Quartzite Tools from Slocan Narrows, Upper Columbia River Area
- 186-f Dylan Person—Rocky Refuse or Useful Utensil?
- 186-g Daniel Quintela—The Lithics of Late Coalition Period Tewa Pueblos: Negotiating Tewa Society in the Rio Chama Valley
- 186-h Matthew Boulanger—Cultural Transmission in the Paleoindian of Eastern North America

**[187] POSTER SESSION ■ ZOOARCHAEOLOGY: THE AMERICAN SOUTHWEST**

**Room:** Exhibit Hall B South

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 187-a Charles Koenig, Christopher Jurgens, J. Kevin Hanselka, Stephen L. Black and Charles Frederick—Multidisciplinary Investigations of a Late Paleoindian Bison Butchery Event from a Southwest Texas Rockshelter
- 187-b Ana Valenzuela-Toro and Meghan K. Yap-Chiongco—Pinniped Taphonomy: Observations from a Northern Elephant Seal Breeding Colony Provide New Insights into the Taphonomic Processes on Pinnipeds

Friday Morning, April 13

- 187-c Kimberly Sheets—Understanding Changes in Lagomorph Proportions within the Homol'ovi Settlement Cluster, Northeast Arizona
- 187-d Catherine Mendel and Deanna Grimstead—Persistence in Turkey Husbandry Practices in the Southwest and Four Corners Region: The Isotopic and Ethnohistorical Evidence
- 187-e Katie K. Tappan, Kelsey A. Gruntorad, G. Tucker Austin, Samantha N. Butler and Chrissina C. Burke—Rabbits, Pronghorn, Oh Deer! Oh My! A Preliminary Analysis of Subsistence Strategies at Wupatki National Monument, Northern Arizona
- 187-f Blythe Morrison—An Investigation of Ancient Turkeys near Houck, Arizona
- 187-g Rebecca Dean—Fauna from the Marana Platform Mound Site, Arizona, in Context
- 187-h Amanda Werlein, Joan Coltrain, Jeffrey R. Ferguson, Virginie Renson and Karen Schollmeyer—Developing Regional Isotopic Baselines to Trace Resource Acquisition Patterns in the Mesa Verde Area of the American Southwest
- 187-i Virginia Lucas and Levent Atici—Faunal Exploitation Practices at the Steve Perkins Site, a Lowland Virgin Branch Puebloan Site Located in Southern Nevada

**[188] POSTER SESSION ■ ZOOARCHAEOLOGY: MIDWEST TO THE EAST COAST****Room:** Exhibit Hall B South**Time:** 10:30 AM–12:30 PM**Participants:**

- 188-a John Moretti and Eileen Johnson—The Late Pleistocene (Rancholabrean) Vertebrate Local Fauna from Zone 3 of Kincaid Rockshelter (41UV2), Uvalde County, Texas
- 188-b Samantha Upton, Jennifer Green and Barbara Heath—Archaeology on the Half Shell: Preliminary Analysis of Shellfish Consumption at Coan Hall (44NB11), Virginia
- 188-c Jacob Foubert—From Excavations to Occupations: Characterizing the Faunal Assemblage of a Late Woodland Site
- 188-d Britney Elsbury-Orris—A Faunal Analysis of the Kirshner Site (36WM213)
- 188-e Liz Southard—A Fishy Study on Site Aggregation and Construction at Florida's Crystal River (8CI1) and Roberts Island (8CI40 and 41) Sites
- 188-f Sarah Bergh—Changes in Resource Use during the Mississippian Period on St. Catherines Island, Georgia
- 188-g Logan Van Hagen, Douglas Dvoracek, Laurie Reitsema and Carol Colaninno-Meeks—Sulfur Isotope Ratios of Terrestrial and Coastal Fauna on the Southeastern Coast: A Step toward Resolving Equifinality in Human Paleodiet Reconstructions

**[189] POSTER SESSION ■ ZOOARCHAEOLOGY: GLOBAL APPROACHES****Room:** Exhibit Hall B South**Time:** 10:30 AM–12:30 PM**Participants:**

- 189-a Evan Peacock, Sheeji Kathuria and David S. Nolen—Talking to Our Selves? An Applied Zooarchaeology Citation Analysis
- 189-b Jarod Hutson, Anna K. Behrensmeyer, Diane Gifford-Gonzalez, Gary Haynes and Amanda Millhouse—Zooarchaeological Contributions to the Smithsonian's National Taphonomic Reference Collection
- 189-c Alexis Ohman and Jennifer Kahn—Ichthyoarchaeological Analysis of ScMo-350 on Mo'orea, French Polynesia



Friday Morning, April 13

- 189-d Emily Zavodny, Martin Welker and Sarah McClure—A Pawsitively Interesting Prehistory of Dogs: New Stable Isotope and Morphometric Analyses from Croatia
- 189-e Roxanne Wildenstein, Aubrey Cannon and David Burley—Utilization of Fish Resources at the Hopoate Site on Tongatapu, Kingdom of Tonga
- 189-f Polly Burnette-Egan—Zooarchaeology and Spatial Analysis at Tepe Farukhabad: New Life for Legacy Data

**[190] POSTER SESSION ■ ARCHITECTURE, URBANISM AND MONUMENTALITY IN THE AMERICAS**

**Room:** Exhibit Hall B South

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 190-a Jarrod Burks—New Magnetic Gradient Survey Results from Two Intermediate-Sized Earthwork Clusters in Southern Ohio: Junction Group and Steel Earthworks
- 190-b Beau Murphy, Adesbah Foguth and Hannah Mattson—A Case Study in the Use of 3D Modeling for Hypothesis Generation and General Archaeological Illustration
- 190-c Megan Conger and Jennifer Birch—Inferring Iroquoian Architectural Variability from Magnetic Gradiometry
- 190-d Sean Daugherty, Alexander Vermillion, Garrett Jones and Timothy Hare—The Map Results of an Integrated UAV-Based Remote Sensing Platform in the Northern Yucatán
- 190-e Christopher Grant—Perspectives from a Privy Past: Neighborhood and Race in Late Nineteenth-Century Creole New Orleans
- 190-f Timothy Everhart—Approaching Monument Diversity in the Woodland Societies of the Central Scioto Valley
- 190-g Estelle Praet—Early Monumental Architecture in Peru: Sunken Circular Plazas from the Late Archaic (5000–2600 B.C.) to the Final Formative (400–200 B.C.)
- 190-h Jeffrey Brzezinski—Producing Community and Communal Production: Examining Evidence for Collective Practices at Complex B, Cerro de la Virgen, Oaxaca, Mexico
- 190-i Ryan Smith and Sarah Kennedy—Minimizing Distractions and Focusing on What Matters: Using Autonomous Drone Flight Technology to Examine Architecture across the Circum-Titicaca Basin (Puno, Peru)
- 190-j Erin Baxter—Aztec Ruins, Architecture and Augmented Reality
- 190-k Bret Ruby, Friedrich Lueth, Rainer Komp, Jarrod Burks and Timothy Darvill—Revealing Ritual Landscapes at Hopewell Culture National Historical Park
- 190-l Garrett Jones, Timothy Hare and Mike Dowell—An Integrated Heavy-Lift Unmanned Aerial Vehicle (UAV) and Remote Sensing Platform

Friday Afternoon ■ April 13, 2018

**[191] FORUM ■ THE STATE OF INCLUSION: DIVERSITY IN NON-ACADEMIC ARCHAEOLOGY**  
(Sponsored by SAA Queer Archaeology Interest Group)

**Room:** Johnson

**Time:** 1:00 PM–3:00 PM

**Moderators:** Lisa Fontes and Chelsea Blackmore

**Participants:**

David Witt—Discussant  
Deni Seymour—Discussant  
Mia Carey—Discussant  
Kathleen Hull—Discussant  
Lylliam Posadas—Discussant  
Desiree Martinez—Discussant  
Karimah Kennedy Richardson—Discussant

**[192] FORUM ■ SETTLEMENT, RESOURCE DISTRIBUTION, AND SUBSISTENCE IN COASTAL MESOAMERICA: INTERREGIONAL COMPARISONS**

**Room:** Harding

**Time:** 1:00 PM–3:00 PM

**Moderator:** Jessica Hedgepeth Balkin

**Participants:**

Jessica Hedgepeth Balkin—Discussant  
Sarah Barber—Discussant  
Arthur Joyce—Discussant  
Christopher Pool—Discussant  
Jeffrey B. Glover—Discussant  
Dominique Rissolo—Discussant  
Heather McKillop—Discussant  
Joseph Mountjoy—Discussant  
Torben Rick—Discussant  
Lourdes Budar—Discussant

**[193] FORUM ■ NEW PERSPECTIVES ON HERITAGE PROTECTION**

**Room:** Truman

**Time:** 1:00 PM–3:00 PM

**Moderators:** Martin McAllister and Brent Kober

**Participants:**

J. M. Adovasio—Discussant  
Stanley Bond—Discussant  
Kayla Bradshaw—Discussant  
James Delgado—Discussant  
Liv Fetterman—Discussant  
Sonia Martinez—Discussant  
Larry Murphy, RPA—Discussant  
Daniel Odess—Discussant  
Randy Ream—Discussant  
Ryan Seidemann—Discussant  
Hilary Soderland—Discussant

Friday Afternoon, April 13**[194] FORUM ■ ARCHAEOLOGY, OUTREACH, ADVOCACY, AND THE MEDIA****Room:** Taylor**Time:** 1:00 PM–3:00 PM**Moderator:** Nezahualcoyotl Xiuhtecutli**Participants:**

David S. Anderson—Discussant

Nicole Grinnan—Discussant

Kristina Killgrove—Discussant

Andrew Lawler—Discussant

Brad Lieb—Discussant

Christopher Sperling—Discussant

**[195] SYMPOSIUM ■ ECOLOGICAL JUSTICE AND THE LONGUE DURÉE: EXPANDING ACTIVISM, ADVOCACY, AND THE HISTORICAL ECOLOGICAL APPROACH***(Sponsored by New International Community for Historical Ecology [NICHE])***Room:** Jackson**Time:** 1:00 PM–3:00 PM**Chairs:** Megan Hicks and Kevin Gibbons**Participants:**

1:00 Matthew DeFelice, Chris Davenport, Mallory Fenn, Jeff Ransom and Sara Ayers-Rigsby—On the Front Lines-Addressing Climate Change at the Local Level in South Florida

1:15 James Blair—Splintered Hinterlands: Public Anthropology, Environmental Advocacy and Indigenous Sovereignty in Resource Frontiers of the Americas

1:30 George Hambrecht—Zooarchaeology, Shifting Baselines and a Rapidly Changing Climate

1:45 Nicole Mathwich—Range Limits: Semi-feral Ranching in Spanish Colonial Arizona

2:00 Colleen Strawhacker, Peter Pulsifer, Noor Johnson and Shari Gearheard—Data Sovereignty for Indigenous Communities in the Arctic: Ensuring Ethical Control of Information and Knowledge for Indigenous Partners through Digital Tools

2:15 Kevin Gibbons—Pervasive Landscapes of Inequality: Want and Abundance within a Hyperobject

2:30 Erina Perez, Thomas Banghart, Hope Loiselle and Kevin Gibbons—At the Intersection of Academia and Activism: Using the Historical Ecology Framework toward the Conservation and Restoration of Natural and Cultural Heritage

2:45 Chelsey Geralda Armstrong—Discussant

**[196] SYMPOSIUM ■ RE-CENTERING THE PERIPHERY: CONTEXTUALIZING THE FRINGES OF CONTEMPORARY ARCHAEOLOGICAL PRACTICE****Room:** Washington Room 5**Time:** 1:00 PM–3:15 PM**Chairs:** Eli Dollarhide and Nicole Rose**Participants:**

1:00 Alice Wright and Colin Quinn—Confronting Myths of Isolation in Pre-Columbian Appalachia

1:15 Sarah Rowe—Periphery and Perspective: The View from Late Prehispanic Coastal Ecuador

1:30 Francis Allard—Centering the Periphery: The Case of Southeast China during the Early Imperial Period

1:45 Kyle Brunner—Urban Spatial Relationships during the Early Islamic Period: Reassessing Investigations into the Market and Mosque at Sīrāf, Iran

Friday Afternoon, April 13

- 2:00 James Johnson—Beyond the Final Frontier: Time and Materiality in the Peripheralization of Bronze Age Eurasian Steppe Pastoral Societies
- 2:15 Nicole Rose—Corroded but Enduring: On the Perpetuation of a Scholarly Iron Curtain in Western Archaeological Thought and Practice
- 2:30 Cameron Turley—Centering Alluitsoq: The Potential for an Indigenous Archaeology in Greenland
- 2:45 Matthew Murray—“Our Past is Not the Other”—Anthropological Archaeology and Academic Peripheries in Central Europe
- 3:00 Alexander Bauer—Discussant

**[197] SYMPOSIUM ■ PRIVATE RITUALS AND PUBLIC SPACES: THE ARCHAEOLOGY OF BELIEF AND PERFORMANCE**

**Room:** Lincoln 2

**Time:** 1:00 PM–3:15 PM

**Chairs:** Brooke Creager and Erin Crowley

**Participants:**

- 1:00 Lars Fogelin—Tibetan Mani Stones and the Materiality of Text
- 1:15 Brooke Creager—Individual Christianity: A Post-Roman Practice in a Changing Landscape
- 1:30 Alice Wolff—Where Are the Brewers? Feasting and Operational Chains in Anglo-Saxon England
- 1:45 Zenobie Garrett—The Diachronic Landscape of Ceremony at the Irish “Royal” Site of Dun Ailinne
- 2:00 Erin Crowley—Performing Feasts and the Use of Animals in Ritual Contexts in Iron Age Ireland
- 2:15 Ivy Faulkner—The Ritual Performance of Gift Exchange in Archaic Greece
- 2:30 Kaila Akina—“Filled with Faith and the True Spirit of Mormonism”: Ritual and Belief at Iosepa, Utah
- 2:45 Susan Johnston—Discussant
- 3:00 Questions and Answers

**[198] SYMPOSIUM ■ THE RISE AND FALL OF THE AFRICAN HUMID PERIOD: CLIMATE CHANGE AND HUMAN RESPONSE IN HOLOCENE AFRICA**

**Room:** Lincoln 3

**Time:** 1:00 PM–3:15 PM

**Chairs:** Steven Goldstein and Elisabeth Hildebrand

**Participants:**

- 1:00 Henry Lamb—The African Humid Period: Paleolimnological and Paleoecological Evidence
- 1:15 Steven Brandt, Alice Leplongeon and Clément Ménard—Hunter-Gatherer Responses to the “Early” African Humid Period ~15-12 ka
- 1:30 Steven Goldstein, Elisabeth Hildebrand, Michael Storozum and Lawrence Robbins—Resilience Theory and Human-Environment Interactions during the Early Holocene at Lothagam-Lokam, Northern Kenya
- 1:45 Mica Jones and Ruth Tibesasa—Bridging the “Kansyore gap”: Continuous Occupation and Changing Subsistence Strategies at Namundiri A, Eastern Uganda
- 2:00 Stanley Ambrose, Andrew Zipkin, Douglas J. Kennett, Abigail Fisher and Jessica Thompson—Dietary and Environmental Reconstruction with Stable Isotopes of Early, Middle and Late Holocene Humans from Northern Malawi

Friday Afternoon, April 13

- 2:15 Kendra Chritz, Elisabeth Hildebrand, Thure Cerling, Elizabeth Sawchuk and Ndiema Emmanuel—Local Responses to Global Events: Regionally Distinct Dietary Changes among Eastern African Herders at the Close of the African Humid Period
- 2:30 Peter Coutros—Flexibility against Fragility at the Diallowali Site System during the 1st Millennium BC
- 2:45 John Arthur, Matthew Curtis, Kathryn Arthur and Jay Stock—From Bayira, the Earliest African Genome, to a Place of Refuge: Mota Cave's History in Southwestern Ethiopia
- 3:00 Jessica Thompson, Andrew Zipkin, David Wright, Stanley Ambrose and Flora Schilt—Out with a Whimper or a Bang? Hunter-Gatherer Response to the End of the African Humid Period in Northern Malawi

**[199] SYMPOSIUM ■ MAKING MORE WITH LESS: REFLECTIONS AND NEW APPROACHES TO THE PROTOHISTORIC PERIOD IN THE NORTHEAST**

**Room:** Lincoln 4

**Time:** 1:00 PM–3:15 PM

**Chairs:** John Campbell and Arthur Anderson

**Participants:**

- 1:00 Arthur Anderson—Strategies for Exploring the Protohistoric Period on the Southern Maine Coast
- 1:15 Gabriel Hrynick—The Devil's Head Site in Maine: The Organization of the Protohistoric Wabanaki World
- 1:30 Tim Spahr—Cape Porpoise Archaeological Partnership
- 1:45 Trevor Lamb—Incised Lines: Mortuary Ceramics and Their Role in Defining Protohistoric Chronologies in the Far Northeast 1900–1960
- 2:00 Kenneth Holyoke—Persistent Places in the Prehistoric Wabanaki Homeland: Understanding the Role of Lithics in Interaction, Exchange, and Territoriality on the Maritime Peninsula
- 2:15 Katherine Patton, Susan Blair and Ramona Nicholas—Recent Insights into Protohistoric Foodways in the Northern Quoddy Region of the Northeast
- 2:30 Michael Deal—Early Seventeenth Century French Feasting in Acadia and Its Relation to Pre-contact Mi'kmaq Practices
- 2:45 John Campbell—Revisiting Contact Interactions of the Keji'kewe'k L'nuk, or Recent People, and Europeans in the Mi'kma'ki
- 3:00 Questions and Answers

**[200] SYMPOSIUM ■ PALEOLITHIC SURFACE SITES: NEW SURVEYS, METHODS, AND DATA**

**Room:** Delaware A

**Time:** 1:00 PM–3:30 PM

**Chairs:** Eric Heffter and Jonathan Reeves

**Participants:**

- 1:00 Eric Heffter—Lithic Analysis of Paleolithic Surface Scatters from Pleistocene River Terraces in the Republic of Serbia
- 1:15 David R. Braun, Matthew Douglass, Benjamin Davies and Jonathan Reeves—Whole Assemblage Behavioral Indicators: Expectations and Inferences from Surface and Excavated Records at Elandsfontein, South Africa
- 1:30 Sheila Nightingale, Jessica Thompson, Jacob Davis, Flora Schilt and Jeong-Heon Choi—Evaluating the Effects of Human Disturbance on Middle Stone Age Surface Finds from Northern Malawi

Friday Afternoon, April 13

- 1:45 Jonathan Reeves, Matthew Douglass, Seminev Asrat, Melissa Miller and David R. Braun—Landscape Evolution, Digital Terrain Analysis, and the Integrity of Surface Assemblages: A Case Study from the Koobi Fora Formation
- 2:00 Paula Ugalde, Calogero Santoro and Eugenia Gayo—Weathering of Surficial Lithic Assemblages in the Hyperarid Core of the Atacama Desert, Chile
- 2:15 Karen Borrazzo—'To be or not to be...' A Taphonomic Perspective on Pseudoartifacts
- 2:30 Matthew Douglass, Simon Holdaway and Sam Lin—Investigating Prehistoric Land Use History and Place Use Variability with Low Density Surface Scatters of Stone Artifacts in the Oglala National Grassland, Northwestern Nebraska
- 2:45 Questions and Answers
- 3:00 LuAnn Wandsnider—Discussant
- 3:15 Curtis Runnels—Discussant

**[201] SYMPOSIUM ■ BEYOND ENGAGEMENT: ARCHAEOLOGISTS AT THE INTERSECTIONS OF POWER**

**Room:** Delaware B

**Time:** 1:00 PM–3:30 PM

**Chairs:** Meredith Reifschneider and Annalisa Bolin

**Participants:**

- 1:00 Christopher Matthews—Ethnography, Routine Archaeologies, and Social Justice Research
- 1:15 Liza Gijanto—Slavery and Colonialism: Selectively Embracing and Erasing the Past in The Gambia
- 1:30 Grace Erny—"Fair Greece, Sad Relic:" Greek Archaeology at the Intersections of Power
- 1:45 Annalisa Bolin—Friends and Enemies: Heritage Ethnography in the Shadow of the State
- 2:00 Uzma Rizvi—On the Right of Refusal: Decolonizing Archaeology and Equitable Praxis
- 2:15 Stacey Camp—Public Archaeology in Remote Places
- 2:30 Betsy Bradley—We All Need to Talk about Archaeology in the CRM Power Nexus
- 2:45 Jon Daehnke—Sovereignty, Colonialism, and Collaboration: Reflections on Archaeological and Ethnographic Work on the Lower Columbia River
- 3:00 Anne Pyburn—Discussant
- 3:15 Krysta Ryzewski—Discussant

**[202] SYMPOSIUM ■ WE DIG NATIONAL PARKS: THE PAST, PRESENT, AND FUTURE OF ARCHEOLOGY IN THE NATIONAL CAPITAL REGION**

**Room:** Washington Room 6

**Time:** 1:00 PM–3:30 PM

**Chairs:** Josh Torres and Katherine Birmingham

**Participants:**

- 1:00 John Bedell—The Potomac Gorge
- 1:15 Josh Torres—The Old Stone House Revisited
- 1:30 Emily Button Kambic and Lauren Hughes—Retracing Reconstruction: America's Second Founding in Archaeological Perspective
- 1:45 Bradley Krueger—Of Wharves and Watercraft: Exploring the Maritime Archeology of Theodore Roosevelt Island

Friday Afternoon, April 13

- 2:00 Sophia Kelly, Andrew Landsman and Justin Ebersole—Implementing the NPS Cultural Resources Climate Change Strategy at the Chesapeake and Ohio Canal National Historical Park
- 2:15 Robert Sonderman and Stefan Woehlke—Our Sites at Risk: Climate Related Threats to NPS Administered Archeological Sites
- 2:30 Marian Creveling and Karen Orrence—Thinking inside the Box: Research Potential of National Park Service Archeological Collections at the Museum Resource Center
- 2:45 Katherine Birmingham and Christine Ames—D.C. Urban Archeology Corps: The Surveying is in the Details
- 3:00 Questions and Answers
- 3:15 Gregory Katz—Digging the Anacostia River Landscape: Geoarchaeology and the Buried Past in the National Capital

**[203] SYMPOSIUM ■ THE CONNECTICUT STATE ARCHAEOLOGICAL PRESERVE PROGRAM: PROTECTION, PRESERVATION, AND PUBLIC OUTREACH**

**Room:** Wilson A

**Time:** 1:00 PM–3:30 PM

**Chairs:** Kenneth Feder and Catherine Labadia

**Participants:**

- 1:00 Catherine Labadia—The Connecticut State Archaeological Preserve Program
- 1:15 Paul Wegner—Connecticut's First Fishermen: The LeBeau Fishing Camp
- 1:30 Jennifer Davis—The Walter Landgraf Soapstone Quarry State Archaeological Preserve: Honoring a Man and Preserving a Site
- 1:45 Mandy Ranslow—Quinebaug River Prehistoric Archaeological District and New England Hebrew Farmers of the Emanuel Society Synagogue and Creamery Archaeological Site
- 2:00 Richard Schaefer—"His Beloved Aunt Polly": The Aunt Polly Archaeological Preserve and the Life of the First Sherlock Holmes
- 2:15 Cece Saunders—What a Pain in the Ash....Traveling That Bumpy Road
- 2:30 Faline Schneiderman—Canning and Preserving History at The Borden's Condensed Milk Factory Site in Torrington, CT
- 2:45 Kenneth Feder—"An Ever Widening Circle": The Lighthouse Site State Archaeological Preserve
- 3:00 Sara Mascia—A House Divided: John Brown's Birthplace and the Path to Freedom
- 3:15 Lucianne Lavin—The Venture Smith Site: An Eighteenth-Century African American Homestead in Haddam, Connecticut

**[204] SYMPOSIUM ■ BONES AND BURIALS IN PHILADELPHIA: UNMARKED CEMETERIES & THE ARCH ST PROJECT**

**Room:** Wilson B

**Time:** 1:00 PM–3:30 PM

**Chair:** Kimberlee Moran

**Participants:**

- 1:00 Doug Mooney—City of (Inconvenient) Cemeteries: A Brief Synopsis of the Disturbance of Historical Burial Grounds in Philadelphia
- 1:15 Cory Kegerise—Mind the Gap: Laws and Policies Related to Burial Places in Pennsylvania
- 1:30 Kimberlee Moran, Anna Dhody, Ani Hatza, George Leader and Ann Marie Mires—The First Baptist Church of Philadelphia's Burial Ground: "moved" in 1860; "excavated" in 2017

Friday Afternoon, April 13

- 1:45 Samantha Muller—An Overview of the History of LaGrange Cemetery and Some of Its Notable and Not So Notable Residents
- 2:00 Nicholas Bonneau—An Accounting of the Dead: Historical Epidemiology and Big Data in the Arch Street Project
- 2:15 George Leader, Kimberlee Moran, Jared Beatrice and Anna Dhody—Preliminary Results of Material Culture from the Historic First Baptist Church Cemetery, Philadelphia (ca. 1700–1860) and Analytical Problems Arising from Stressed Excavations and the Lack of Formal Legal Oversight
- 2:30 Gerald Conlogue and Michelle O'Connor—The Role of Radiographer as a Member of the Arch Street Project Team
- 2:45 Allison Grunwald—Analysis of the Faunal Remains at the Arch Street Cemetery Site
- 3:00 Jared Beatrice, George Leader, Kimberlee Moran and Anna Dhody—Bioarchaeological Analysis of Human Skeletal Remains from the Historic First Baptist Church Cemetery, Philadelphia (ca. 1700–1860): Preliminary Results
- 3:15 Doug Mooney—Discussant

**[205] SYMPOSIUM ■ BLURRING TIME SCAPES: SUBVERSIONS TO ERASURE AND REMEMBERING GHOSTS**

**Room:** Hoover

**Time:** 1:00 PM–3:45 PM

**Chairs:** Sarah Surface-Evans, Kisha Supernant and Amanda Garrison

**Participants:**

- 1:00 Sarah Surface-Evans—Traumascape: Progress and the Erasure of the Past
- 1:15 April Beisaw—Manifesting the Ghosts of Place through Archaeology and Empathy
- 1:30 Patrick Lawton—Chiasin (The Big Rock): Mementos of Identity
- 1:45 Heather Van Wormer—Memory and Materiality at Mary's City of David
- 2:00 Amanda Garrison—Bones at the End of River Street: A Graphic Ethnography of a Bridge in Lansing, Michigan
- 2:15 Questions and Answers
- 2:30 Alison Rautman—Violent Conflict and a Ritual of Memory in the Puebloan Southwest
- 2:45 Nicole Burt—Public Perception of the Ethics of Physical Anthropology
- 3:00 Kisha Supernant—Heritage, Healing, and Coming Home: An Archaeologist Encounters Her Ancestors
- 3:15 Erica Begun-Veenstra—The Science of Souvenirs: Past, Present, and Future
- 3:30 Amanda Garrison—Discussant

**[206] SYMPOSIUM ■ CONNECTING COLLECTIONS: COLLECTORS OF PRE-COLUMBIAN AND INDIGENOUS AMERICAN ART IN THE AMERICAS AND EUROPE**

**Room:** Wilson C

**Time:** 1:00 PM–3:45 PM

**Chairs:** Kim Richter and Viola Koenig

**Participants:**

- 1:00 Viola Koenig—Connecting Collections: Collectors of Pre-Columbian and Indigenous American Art in the Americas and Europe
- 1:15 Tom Cummins—"Cosas Extraordinarias": America in Early Modern Royal Spanish Collections
- 1:30 Adam Sellen—Where Have All the Collections Gone? Mexican Archaeology in World Museums



Friday Afternoon, April 13

- 1:45 Joanne Pillsbury—Aztecs in the Empire City: The Rise and Fall of Ancient American Art at The Metropolitan Museum of Art, 1877–1914
- 2:00 Megan E. O’Neil—Collective Biographies: Ancient Maya Objects in Collections, Past and Present
- 2:15 Victoria Lyall—Connecting Collections: The Ancient Americas in American Museums
- 2:30 Christian Feest and Viviane Luiza da Silva—Between Enlightenment and Structuralism: Bororo and Kadiwéu Collections outside Brazil, 1791–1938
- 2:45 Aaron Glass and Judith Berman—Reassembling The Social Organization: Uniting Museums, Archives, and Indigenous Knowledge around Franz Boas’s 1897 Monograph
- 3:00 Davide Domenici—Discussant
- 3:15 Aron Crowell—Discussant
- 3:30 Questions and Answers

**[207] SYMPOSIUM ■ AYLLU THERE? HERDERS, FARMERS AND THE FORMATION OF COMMUNITY IN THE ANDEAN HIGHLANDS**

**Room:** Jefferson

**Time:** 1:00 PM–3:45 PM

**Chairs:** Lucas Kellett and Kevin Lane

**Participants:**

- 1:00 Veronica Williams—Farmers and Herders in the High Quebradas of the Valle Calchaquí Medio (Salta, Argentine) between the 11th and Early 17th Century
- 1:15 Alesia Hoyle and Sonia Alconini—Water Management, Pastoralism and Settlement Shifts in the Andean Apolobamba Region
- 1:30 Elizabeth Arkush—Land Use, Settlement Patterns, and Collective Defense in the Titicaca Basin: The Constitution of Defensive Community
- 1:45 Kylie Quave and R. Alan Covey—Camelid Herding and Enduring Community Identities among the Ayarmacas (Cuzco, Peru)
- 2:00 Bill Sillar—Canas, Canchis and Cuzco: What Was the Scale of Community Allegiance in the LIP?
- 2:15 Lucas Kellett—The Formation of Agro-pastoral Communities in the Chanka Heartland (Andahuaylas, Peru)
- 2:30 Kevin Lane—Discussant
- 2:45 Hernando Malca Cardoza and Alexis Mantha—Ayllu There in the Upper Marañón? Founding Ancestors and Political Dynamics in the Rapayán Region of Ancash/Huánuco during the LIP
- 3:00 Jason Toohey—Diverging Patterns of Community Organization in the Late Intermediate Period Cajamarca Region of Northern Peru
- 3:15 Monica Barnes—Discussant
- 3:30 Paul Goldstein—Discussant

**[208] SYMPOSIUM ■ THE ARCHAEOLOGY OF “PROLETARIAN DRUG FOODS” IN THE CARIBBEAN**

**Room:** Madison B

**Time:** 1:00 PM–3:45 PM

**Chairs:** Anthony Tricarico and Charlotte Goudge

**Participants:**

- 1:00 E. Christian Wells—Discussant
- 1:15 Georgia Fox—Poison or Pleasure: The Archaeology of Tobacco and Sugar
- 1:30 Christopher Waters and Anthony Tricarico—Socio-spatiality of an Antiguan Plantationscape

Friday Afternoon, April 13

- 1:45 Charlotte Goudge—"Do you think I am an automaton?": Post-emancipation Caribbean Factories and Social Industrialism  
 2:00 Mark Leone—Spirit Possession in the Chesapeake  
 2:15 James Delle—"A Glittering Speculation": Archaeology of Jamaica's First Coffee Boom, 1790–1806  
 2:30 Elizabeth Clay—"A Wondrously Fertile Country": Agricultural Diversity and Landscape Change in French Guiana  
 2:45 Tamara Varney, Treena Swanston, Ian Coulthard, A. Reginald Murphy and David M. L. Cooper—Unravelling the Social Determinants of Lead Exposure in 19th Century British Royal Navy Stationed in Antigua, W.I.  
 3:00 Edith Gonzalez—There's Sugar in Them There Hills: Bio-prospecting in the 18th-Century Caribbean  
 3:15 Mark Hauser—Discussant  
 3:30 Questions and Answers

**[209] SYMPOSIUM ■ LOOKING TO THE EAST: CLASSIC MAYA LEGACIES IN ANCIENT MESOAMERICA**

**Room:** Tyler

**Time:** 1:00 PM–4:00 PM

**Chairs:** Jeremy Coltman and Elliot Lopez-Finn

**Participants:**

- 1:00 Annabeth Headrick—Out of Clay and into Stone: The Emergence of Warriors at Chichen Itza  
 1:15 Keith Jordan—Possible Maya Analogs and Antecedents for the Pyramid B Atlantid Columns, Tula  
 1:30 Gabrielle Vail—Cultural Legacies of the Classic Maya: The Postclassic Northern Maya Lowlands and Beyond  
 1:45 Emiliano Melgar and Reyna Solís—The Mayan Style Lapidary Objects in Mesoamerica outside the Maya Region: Provenance, Manufacture, Distribution, and Symbolism  
 2:00 Elliot Lopez-Finn—"A Curious Ambivalence": The Iconography of Long-Distance Trade Goods in Postclassic Mexico  
 2:15 Jesper Nielsen, Christophe Helmke and Fiorella Fenoglio—A Dark Horse of the Early Postclassic: The Site of El Cerrito (Querétaro, Mexico) and Its Relationship to Chichen Itza and Tula  
 2:30 Mary Miller—How Tlaloc Got His Groove  
 2:45 Jeremy Coltman—Chichen Itza and the Early Postclassic International Style  
 3:00 Cecelia Klein—Of Eye Rings and Torches: The Fire Priests of Chichen Itza and Their Legacy in Aztec Tenochtitlan  
 3:15 Andrew D. Turner—Weapons of the Sun: Centipedes and Fire Serpents in the Art and Symbolism of Ancient Mesoamerica  
 3:30 Claudia Garcia-Des Lauriers—Towards a More Systematic Approach to Analyzing Artistic Influences: A View from the Pacific Coast of Southeastern Mesoamerica  
 3:45 Simon Martin—Stepping Out: The Maya Underworld and the Red Temple at Cacaxtla

Friday Afternoon, April 13**[210] SYMPOSIUM ■ SPATIAL APPROACHES IN AFRICAN ARCHAEOLOGY: CURRENT THEORIES, NEW METHODS***(Sponsored by Society of Africanist Archaeologists)***Room:** Washington Room 2**Time:** 1:00 PM–4:00 PM**Chairs:** Cameron Gokee and Carla Klehm**Participants:**

- 1:00 Carla Klehm, Adam Barnes, Forrest Follett and Katie Simon—From Geophysics to Building a Predictive GIS Model of Archaeological Sites in the African Interior: Spatial Archaeometric Applications of the Bosutswe Landscapes Regional Survey, Botswana
- 1:15 Thomas Fenn, Brett Kaufman, Ali Drine, Hans Barnard and Sami Ben Tahar—Preliminary Results of Ground Penetrating Radar (GPR) Geophysical Prospection at the Neo-Punic/Roman Period Site of Zita, Tunisia
- 1:30 Andrew Womack, Peter Coutros and Mamadou Cissé—Initial Results from Magnetometer Survey at the Sacred Site of Dakajalan, Mali
- 1:45 Tom Fitton—Comparative Evidence of Maritime Activity in the Early Swahili Harbours of Zanzibar
- 2:00 Monika Baumanova—Context-Specific Applications of Space Syntax on African Urban Sites
- 2:15 Kathryn Arthur, Sean Stretton and Matthew Curtis—Mapping Historical Sacred Spaces in Southern Ethiopia
- 2:30 Cameron Gokee—Multispectral Satellite Imagery for Mapping, Modeling, and Interpreting the Archaeological Landscape of Bandafassi, Senegal
- 2:45 Nadia Khalaf—Archaeological Survey and Geographical Information Systems (GIS) in African Archaeology: Perspectives from the Niger Valley, Benin
- 3:00 Sean Reid—Satellite Remote Sensing and Archaeological Survey in Central and Western Regions, Ghana
- 3:15 Joseph Mazzariello, Michael Harrower and A. Catherine D'Andrea—Empire of Aksum Settlement Patterns: Site Size Hierarchy and Spatial Clustering Analyses
- 3:30 Matthew Pawlowicz—Capturing People on the Move: Spatial Analysis and Remote Sensing in the Bantu Mobility Project, Basanga, Zambia
- 3:45 Michael Harrower—Discussant

**[211] SYMPOSIUM ■ THE EMPIRE STRIKES BACK: NEW DATA ON WARI IN MIDDLE HORIZON PERU****Room:** Madison A**Time:** 1:00 PM–4:00 PM**Chairs:** Patrick Ryan Williams and Milosz Giersz**Participants:**

- 1:00 M. Elizabeth Grávalos and Emily Sharp—Enduring Traditions, Material Transformations: Understanding Wari State Influence in Highland Ancash, Peru
- 1:15 Milosz Giersz—The Force Awakens: The Nature and Chronology of Wari Presence in the Huarmey Valley
- 1:30 Wieslaw Wieckowski—Embodied Empire: Life and Death of Wari Elites from Castillo de Huarmey
- 1:45 Krzysztof Makowski and Roberto Pimentel—Skilled Craftsmen, Ancestors Cult, and Hegemonic Strategies of the Wari Empire
- 2:00 Rosa Maria Varillas and Francesca Fernandini—Wari Textiles for the Everyday and the Afterlife
- 2:15 Jason Kennedy, Bradley Parker and Matt Edwards—Plow Zone Archaeology in a Wari Imperial Center
- 2:30 Questions and Answers

Friday Afternoon, April 13

- 2:45 Justin Jennings, Patricia Knobloch and Elizabeth Gibbon—Who Founded Quilcapampa? Wari Agents, Social Network Analysis, and the Unfurling of a Middle Horizon State
- 3:00 Curran Fitzgerald, Cyrus Banikazemi and Donna Nash—A Galactic Empire: Celestial Bodies and Imperial Ideology on the Wari Frontier
- 3:15 Matthew Biber—Drinking Together: The Role of Foodways in the Wari and Huaracane Colonial Encounter in the Moquegua Valley, Peru
- 3:30 Brian Bauer—Discussant
- 3:45 William Isbell—Discussant

**[212] SYMPOSIUM ■ INNOVATIVE APPROACHES TO HUMAN-CANINE INTERACTIONS****Room:** Thurgood Marshall Ballroom South**Time:** 1:00 PM–4:00 PM**Chairs:** Angela Perri and Amanda Burt**Participants:**

- 1:00 Greger Larson, Laurent Frantz, Angela Perri, Ophelie Lebrasseur and James Haile—Testing the Dual Origin Dog Domestication Hypothesis
- 1:15 Laurent Frantz—Ancient Dog Genome Preserved in Tumor Provides Novel Insights into the Domestication of Dogs
- 1:30 Kelsey Witt, Laurent Frantz, Greger Larson, Angela Perri and Ripan Malhi—Genome Sequencing of Ancient Dogs in the Americas to Understand Their Demographic History
- 1:45 Keith Dobney, Ardern Hulme-Beaman, Carly Ameen, Allowen Evin and Thomas Cucchi—Divergence of Domestic Dog Morphology through Deep Time
- 2:00 Amanda Burt—The Diet of Dogs: Dental Microwear Texture Analysis to Interpret the Human-Canine Connection in Prehistoric North America
- 2:15 Rujana Jeger and Darcy Morey—When Dogs and People Were Buried Together
- 2:30 Carly Ameen, Anna Linderholm, Ellen McManus-Fry, Kate Britton and Keith Dobney—Friends in High Places. An Integrated Examination of the Long-Term Relationship between Humans and Dogs in Arctic Prehistory
- 2:45 Angela Perri, Chris Widga, Terrance Martin, Dennis Lawler and Thomas J. Loebel—New Evidence of the Earliest Domestic Dogs in the Americas
- 3:00 Maria Guagnin and Angela Perri—Dog-Assisted Hunting Strategies in the Early Holocene Rock Art of Saudi Arabia
- 3:15 David Anthony and Dorcas Brown—The Dogs of War: A Bronze Age Initiation Ritual in the Russian Steppes
- 3:30 Nerissa Russell—Guardians in Life and Death: Dogs at Neolithic Çatalhöyük and Beyond
- 3:45 Questions and Answers

**[213] SYMPOSIUM ■ THE INTERSECTION OF SUSTAINABILITY AND CLIMATE CHANGE IN TROPICAL SOCIAL SYSTEMS****Room:** Thurgood Marshall Ballroom East**Time:** 1:00 PM–4:15 PM**Chairs:** Roland Fletcher, Arlen Chase and Diane Chase**Participants:**

- 1:00 Lisa Lucero—Introduction to the Intersection of Sustainability and Climate Change in Tropical Social Systems
- 1:15 Vernon Scarborough and Christian Isendahl—The Early Role of Biogeography in the Creation of Modern Ecology Assessments
- 1:30 Patrick Roberts—'Finding the time': A Long-Term Perspective on Human Interactions with Tropical Landscapes and Its Implications for Sustainability

Friday Afternoon, April 13

- 1:45 Brendan Buckley, Rosanne D'Arrigo, Caroline Ummenhofer, Michael Griffiths and Kyle Hansen—Climate Change (Global and SE Asia)
- 2:00 Diane Chase and Arlen Chase—Sustainability and Climate Change in the Ancient Maya Area: Evidence from Remote Sensing and Long-Term Land Use
- 2:15 Eduardo Neves—The Role of Lowland Tropics as Centers of Landscape Domestication during the Middle Holocene in South America
- 2:30 Questions and Answers
- 2:45 Jose Iriarte, Mark Robinson, S. Maezumi, Daiana Travassos and Denise Schaan—Climate Change and Polyculture Agroforestry Systems: Examples from Amazonian Dark Earths
- 3:00 Emuobosa Orijiemie—Plant Management, Resilience and Environmental Changes in the Wetlands of Nigeria
- 3:15 Kathleen Morrison—6k Years of Land Use in South Asia: Sustainability, Power Relations, and Tropical Variability
- 3:30 Roland Fletcher—Low-Density, Dispersed Urbanism in the Tropical World: Some Global Implications
- 3:45 Sander Van Der Leeuw—Sustainability: The Next 100 Years
- 4:00 Nuria Sanz—Discussant

**[214] SYMPOSIUM ■ ADVANCES IN ROCK-ART ANALYSIS: FROM PORTABLE INSTRUMENTATION TO NEW INTERPRETATIONS**

**Room:** Washington Room 3

**Time:** 1:00 PM–4:30 PM

**Chair:** David Robinson

**Participants:**

- 1:00 James Ward and David Robinson—Sonic Landscapes, Past and Present: An Archaeoacoustical Study of Pleito
- 1:15 Clare Bedford and David Robinson—Deconstructing Rock Art – An Experimental Approach to the Application of Portable Analytical Instrumentation to Applied Pigments at Pleito, South-Central California
- 1:30 Matthew Baker, Clare Bedford and David Robinson—Integrating Portable Spectroscopy into Rock Art Investigations
- 1:45 Eleni Kotoula, David Robinson and Clare Bedford—Diagrammatic and Interactive Relighting Visualizations of Pictographs: Case Studies on Pinwheel, Boulder and Pleito Cave
- 2:00 Devlin Gandy and David Robinson—The Gordian Knot: Novel Methods for Digitally Identifying, Defining, and Separating Unique Rock Art Elements
- 2:15 Audrey Lindsay and Timothy Murphy—The Honda Ridge Pilot Project: Microscopy and Stratigraphy at the Honda Ridge Rock Art Site, Vandenberg Air Force Base, California
- 2:30 David Robinson, Eleni Kotoula, Clare Bedford, Devlin Gandy and Matthew Baker—Sequencing the Gordian Knot: Implications of the Pleito Main Cave Superimposition Analyses
- 2:45 Marta Diaz-Guardamino—Digital Imaging and Rock Art (Relational) Biographies: Reassessing Iberian Late Bronze Age “Warrior” Stelae
- 3:00 Pamela Allan, Moira McMenemy, Kelly Brown, Matthew Baker and David Robinson—Testing the Trance Hypothesis: Identifying Hallucinogenic Compounds from Quids at Pinwheel Cave, California
- 3:15 Christopher Ryan, Rick Bury, Jon Picciuolo, Antoinette Padgett and Dan Reeves—Illuminating Event-Based Significance at Three Rock Art Sites on Vandenberg AFB, CA
- 3:30 Brendan Cassidy, David Robinson and Devlin Gandy—Accessing the Inaccessible: Valuing Virtual Reality and Remote Access to Pleito Cave

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- 3:45 Questions and Answers  
4:00 Carolyn Boyd—Discussant  
4:15 John Robb—Discussant

**[215] SYMPOSIUM ■ CELEBRATING LYNNE GOLDSTEIN'S CONTRIBUTIONS TO  
ARCHAEOLOGY OF THE PAST, PRESENT, AND FUTURE****Room:** Lincoln 5**Time:** 1:00 PM–4:30 PM**Chair:** Jodie O'Gorman**Participants:**

- 1:00 William Lovis—Landscape Marking, the Creation of Meaning, and the Construction of Sacred and Secular Spaces: Rethinking the Birney "Mound" in the City of Bay City  
1:15 John Richards, Sissel Schroeder and Jarrod Burks—Unseen Aztalan: Preliminary Results of a Geomagnetic Survey of the Aztalan Enclosure  
1:30 Jodie O'Gorman—Migration, Ritual, and the Dead  
1:45 John Kelly—Space and Place in Mississippian Societies; Lynne Goldstein's Impact on the Study of Aztalan and Cahokia Landscapes  
2:00 Jane E. Buikstra and Jason King—The Missing Years: Continuity and/or Change in Woodland Funerals in the LIV  
2:15 Jennifer Bengtson and Amy Michael—Mortuary Analysis and Bioarchaeology: A Survey of Integrative Approaches  
2:30 Joseph Hefner and Michael Heilen—Establishing Cultural Affinity through Multiple Lines of Evidence  
2:45 Shannon Freire, Patricia Richards and Brooke Drew—Six Impossible Things before Breakfast: Understanding Space and Place at the Milwaukee County Poor Farm Cemetery  
3:00 Kent Lightfoot—The Future of Archaeological Research on Public Lands: A Case Study from California  
3:15 Elizabeth Benchley and Judith Bense—Lynne Goldstein: A Pioneer in Public Archaeology  
3:30 Terry Brock—Mentorship, Professionalism, and the MSU Campus Archaeology Program  
3:45 Ethan Watrall—Towards an Approach to Building Mobile Digital Experiences for Campus Heritage & Archaeology  
4:00 Robert Brinkmann—The Sustainability Lessons from the Archaeological Work of Lynne Goldstein: The Curious Environmental Stories of Aztalan, Fort Ross, and Michigan State University  
4:15 James Brown—Discussant

**[216] SYMPOSIUM ■ GENDER AND POWER ON THE NORTH COAST OF PERU****Room:** Washington Room 1**Time:** 1:00 PM–4:30 PM**Chairs:** Cathy Costin and Augusto Bazan Perez**Participants:**

- 1:00 Cathy Costin—Discussant  
1:15 Augusto Bazan Perez—Discussant  
1:30 Sarahh Scher—Seeing Gender Ambiguity in Moche Visual Culture  
1:45 Erell Hubert—Moche Women: Multiple Realities and Alternative Powers  
2:00 Erica Hill—Women, Sex and Sacrifice in Moche Iconography

Friday Afternoon, April 13

- 2:15 Pauline Clauwaerts—Emergence of Female Power on the North Coast of Peru: Exploring Priestesses' Identities and Their Influence within the Funerary Realm in San José de Moro
- 2:30 Luis Jaime Castillo—The Priestesses of San Jose de Moro
- 2:45 Arabel Fernandez—Entre símbolos de poder y género. Nuevas Interpretaciones sobre la Señora de Cao
- 3:00 Jennifer Marla Toyne—Victims or Venerated? A Bioarchaeological Examination of Gendered Ritual Violence and Social Identity of the Possible Aqlla at Túcume, Peru
- 3:15 Edward Swenson—Gender Complementarities and the Construction of Late Moche Political Landscapes
- 3:30 Carlos Wester—Chornancap: Palacio y Mausoleo de la Gobernante y de la Cultura Lambayeque, Perú
- 3:45 Patrycja Prządka-Giersz—Women's Power and Prestige in the Pre-Hispanic and Early Colonial Andes
- 4:00 Sofia Chacaltana Cortez—Discussant
- 4:15 Claudia Nuñez—Discussant

**[217] SYMPOSIUM ■ IN THE SERVICE OF A GREATER GOOD: BROADER APPLICATIONS OF ZOOARCHAEOLOGY IN THE ERA OF INTERDISCIPLINARY RESEARCH**  
*(Sponsored by SAA Zooarchaeology Interest Group)*

**Room:** Lincoln 6

**Time:** 1:00 PM–4:45 PM

**Chair:** Siavash Samei

**Participants:**

- 1:00 Kitty Emery, Rob Guralnick, Michelle LeFebvre, Laura Brenskelle and Sarah Witcher Kansa—ZooArchNet: Linking Zooarchaeology Data to Archaeological and Biodiversity Information for Big-Data Archaeological Research
- 1:15 Aaron Deter-Wolf and Tanya Peres—Archaic Tattooing and Bundle Keeping in Tennessee, ca. 1600 BC
- 1:30 Naomi Sykes, Greger Larson, Carly Ameen, Philip Shaw and Tom Fowler—The Easter E.g. - Changing Perceptions of Cultural and Biological “Aliens”
- 1:45 Jacqueline Meier—Faunal Perspectives on Occupation Intensity and Use of Space at Neolithic Kfar HaHoresh
- 2:00 Rande Fladeboe—Investigating Feather Harvesting of Captive Macaws at Wupatki Pueblo, Arizona
- 2:15 Aleksa Alaica and Véronique Bélisle—Middle Horizon Cusco and Long-Distance Networks: Reconciling Spatial Variation through a Zooarchaeological Lens at Ak'awillay, Peru
- 2:30 Elizabeth Reitz—Rare Animals at a Mississippian Chiefly Compound: The Irene Mound Site (9CH1), Georgia, USA
- 2:45 Levent Atici—Explanatory Frameworks in Zooarchaeological Research: Are Dichotomies Necessary and Meaningful?
- 3:00 Aaron Armstrong and Martha Tappen—Implications of Efe Ethnoarchaeology for Recognizing Human-Derived Faunal Assemblages and Carcass Processing Decisions
- 3:15 Tanya Peres and Aaron Deter-Wolf—Shell Heaps as Indicators of Resource Management
- 3:30 Sarah P. Sportman—From Frontier to Farm Town: Subsistence and Diet in Old Wethersfield, Connecticut, 1636-1750

Friday Afternoon, April 13

- 3:45 Ashley Sharpe, Kitty Emery and John Pfeiffer—Bringing Two Halves Together: Combining Modern Phylogenetics and Zooarchaeological Analysis to Understand Past and Present Trends of Freshwater Mussels (Unionidae) in Mesoamerica
- 4:00 August Costa, Jonathan Lohse and Stephanie Orsini—High Resolution Chronology and Paleobiogeography of Bison and Pronghorn Occupation in Southeast Texas and their Implications for Human Paleoeology
- 4:15 Carla Hadden, Margo Schwadron, Alexandra Parsons and Taesoo Jung—Paleoecology, Paleoclimate, and Paleoeconomy at the Turner River Mound Complex, Everglades National Park
- 4:30 Arianne Boileau—Testing the Stratigraphic Integrity of Shallow Deposits through Zooarchaeology at Lamanai, Belize

**[218] SYMPOSIUM ■ LEARNING FROM HOMOL'OVI: PAPERS IN HONOR OF E. CHARLES ADAMS AND RICHARD C. LANGE**

**Room:** Washington Room 4

**Time:** 1:00 PM–4:45 PM

**Chairs:** Samantha Fladd, Saul Hedquist and Lisa Young

**Participants:**

- 1:00 Lisa Young, Micah Loma'omvaya, Susan Sekaquaptewa and Gwen Setalla—Continuing Collaborations at Homol'ovi: A View from the Corn Roasting Pit
- 1:15 Ruth Van Dyke—In Homage to Homol'ovi: Architecture and Ceremony in Chaco Canyon
- 1:30 Karen Harry—Shrines, Dedication Practices, and Closure Activities at Lava Ridge Ruin
- 1:45 Claire Barker, Samantha Fladd and Kelley Hays-Gilpin—Macaws on Pots: Images, Symbolism, and Deposition at Homol'ovi
- 2:00 Laurie Webster—Cotton as Commodity in the Prehispanic Southwest
- 2:15 Patrick Lyons, Don Burgess, Marilyn Marshall and Jaye Smith—New Perspectives on the Maverick Mountain Phase Roomblock at Point of Pines Pueblo
- 2:30 William Walker and Axel Nielsen—Prophets of the Ancient Southwest
- 2:45 Andrew Duff, Wesley Bernardini and Gregson Schachner—The Homol'ovi Research Project – The View from ASU
- 3:00 Douglas Gann—Digital Public Archaeology at Homol'ovi: The Arizona State Museum's Contributions to the Digital Humanities
- 3:15 Danielle Soza—"Is This A Thing?": Opportunities and Results of the Rock Art Ranch NSF-REU Program
- 3:30 Karen Adams and Susan Smith—Food for Thought: Engaging Field School Students in the World of Plants
- 3:45 Krystal Britt, Claire Barker, Samantha Fladd and Danielle Soza—Sunset at Rock Art Ranch: Human Use and Occupation of the Middle Little Colorado River Valley before the Homol'ovi Settlement Cluster
- 4:00 Saul Hedquist, Samantha Fladd, Vincent M. LaMotta and Nancy Odegaard—And the Legacy Continues: Homol'ovi Looking Forward
- 4:15 Richard Lange—Discussant
- 4:30 E. Adams—Discussant



Friday Afternoon, April 13**[219] SYMPOSIUM ■ MOBILITY AS HUMAN-ENVIRONMENT INTERACTION***(Sponsored by Hominin Dispersals Research Group)***Room:** Marriott Salon 1**Time:** 1:00 PM–4:30 PM**Chairs:** Dario Guiducci, Simon Paquin and Colin Wren**Participants:**

- 1:00 Ariane Burke—Discussant
- 1:15 Michelle Drapeau and Jesseca Paquette—Habitat Preferences in Early Hominins and the Origin of the Human Lineage
- 1:30 Michael Bisson—Uses and Limitations of the “Sangoan” for Understanding Hominin Mobility and Dispersals: An Example from Northeastern Zambia
- 1:45 Simon Paquin and Ariane Burke—Evaluating the Impact of Climatic and Environmental Conditions on AMH Initial Dispersal into Western Europe
- 2:00 Genevieve Pothier Bouchard, Fabio Negrino, Julien Riel-Salvatore and Pascale Tremblay—Zooarchaeological insights into modern human mobility at Riparo Bombrini
- 2:15 C. Michael Barton and Julien Riel-Salvatore—You’re Going to Carry That Weight a Long Time
- 2:30 Questions and Answers
- 2:45 Dario Guiducci and Ariane Burke—A GIS Approach to Landscape Legibility and Its Role in Late Pleistocene Hominin Dispersals
- 3:00 Luc Doyon—Aurignacian Projectile Points Do Not Represent a Proxy for the Initial Dispersal of *Homo sapiens* into Europe: Insights from Geometric Morphometrics
- 3:15 Colin Wren and Ariane Burke—Landscape Connectivity, Habitat Suitability and Cultural Transmission during the Last Glacial Maximum in Western Europe
- 3:30 Rhiannon Stevens, Hazel Reade, Sophy Charlton and Jennifer Tripp—The UpNorth Project: Environment Context of Late and Final Palaeolithic Dispersals
- 3:45 Jennifer Bracewell—A GIS Approach to Understanding Post-sedentary Hunter-Gatherers: A Case from Northern Finland
- 4:00 Andre Costopoulos—The Impact on Mobility of Regional Variability in Rates of Environmental Change: An Agent-Based Simulation Approach
- 4:15 Julien Riel-Salvatore—Discussant

**[220] SYMPOSIUM ■ PONDERING GENDERED LANDSCAPES****Room:** Marriott Salon 3**Time:** 1:00 PM–5:00 PM**Chair:** William Meyer**Participants:**

- 1:00 Amanda Logan and Dela Kuma—Foodscapes as Gendered Landscapes in West Africa
- 1:15 Rachel Briggs—The Mississippianization of Women in the Black Warrior Valley of Alabama, A.D. 1120–1250
- 1:30 Emily Dylla—Hunters, Soldiers, and Holy Men: Exploring the Gendered Politics of Mission Landscapes in Alta California
- 1:45 Jessica Striebel MacLean—Destabilizing the Planters Prospect: The Embedded Landscapes of White Creole Masculinity at an 18th-Century Plantation House in Montserrat, West Indies
- 2:00 Deborah Rotman—Collective Labor, Communal Lives: Social Dynamics of 19th-Century Rural Life in Northwest Co. Mayo, Ireland
- 2:15 T. L. Thurston—Andra tider, andra seder: Shifting Taskscapes of Gender, Age and Class in Early Sweden

Friday Afternoon, April 13

- 2:30 Kathryn Franklin—Landscapes of the Silk Road: Written, Imagined, and Embodied Spacetimes
- 2:45 Sara Becker—Landscape and Labor: Bones and Bodies of the Tiwanaku State
- 3:00 Hetty Jo Brumbach and Robert Jarvenpa—A Comparative Ethnoarchaeological Approach to Gender and Landscape: Livelihood and Viewshed
- 3:15 Megan Springate—A Queer Look at a Changing Vacation Landscape: Respectability and Resistance
- 3:30 Nathan Klembara—In and “Out” of the Cave: Queerness on the Upper Paleolithic Funerary Landscape
- 3:45 Peter Whitridge—Arctic Heterotopias: Qariyit as Queer Spaces in Precontact Inuit Communities
- 4:00 Brenda Bowser—Living Things in the Landscape: Gendered Perspectives from Amazonia
- 4:15 Kristen Barnett—Ellmig Qukaq. She is the Center: Indigenous Archaeology of Temyiq Tuyuryaq
- 4:30 Silvia Tomaskova—Discussant
- 4:45 Wendy Ashmore—Discussant

**[221] POSTER SESSION ■ ENVIRONMENTAL ARCHAEOLOGY****Room:** Exhibit Hall B South**Time:** 2:00 PM–4:00 PM**Participants:**

- 221-a Sean Bergin and Grant Snitker—Large-Scale Socioecological Transformation: The Effects of Subsistence Change on Holocene Vegetation across Europe
- 221-b Amy Schott—Soil Quality and Agricultural Productivity of Eolian Landscapes in Petrified Forest National Park
- 221-c Stephanie Gruver—*Mesodesma donacium* as a Paleoclimatic Archive on the Coast of Peru
- 221-d Andrew Gillreath-Brown, RPA, Kyle Bocinsky, Simon Goring and Tim A. Kohler—Paleotemperature Reconstructions of the Upland United States Southwest for the Last 2,000 Years
- 221-e Thomas Whitley, Michael Konzak, Bryan Mischke, Robert Watson and Paul Engel—20,000 Years under the Sea: Dynamically Visualizing the Past and Future of Shorelines, Ecosystems, and Climate Change at Point Reyes, California
- 221-f Ana Gomes, Brandon Zinsious, Mussa Raja, Nuno Bicho and Jonathan Haws—Holocene Palaeoenvironmental Changes in Southeastern Mozambique: The Case of the Inhambane Bay
- 221-g Lorenzo Castellano, Roderick Campbell and Yitzchak Jaffe—Climatic Narratives across Eurasia: A Comparative Study of the 4.2k Event in Western and Eastern Asia
- 221-h Jeremy Pye—Assessing Malaria Risk in 19th Century Tucson, Arizona
- 221-i Megan Cleary—Stress and Sociocultural Reactions to Environmental Change in the Late and Terminal Lima on the Central Coast of Peru
- 221-j Nicolas Gauthier—Agricultural Niche Construction in Roman North Africa: Simulating Irrigation and Deforestation on a Desert Margin

Friday Afternoon, April 13**[222] POSTER SESSION ■ PUBLIC & COMMUNITY ARCHAEOLOGY****Room:** Exhibit Hall B South**Time:** 2:00 PM–4:00 PM**Participants:**

- 222-a Tawnya Waggle, Laura Hronec, Jasmine Kidwell, Donald Purdon and Jenna Domeischel—Blackwater Draw: Turning Student Research into Public Outreach
- 222-b Kirk French—Cheap Beer and Generic Weenies vs. Craft Brews and Artisan Sausages – The Archaeology of Tailgating at Penn State University
- 222-c Jayne-Leigh Thomas, Larry Zimmerman, Felipe Estudillo Colon, Jeffrey Bendremer and Jennifer Meta Robinson—Learning by Example: Exploring the Importance of Case Studies in Learning NAGPRA
- 222-d Kary Stackelbeck, Allison Douglas, Shawn Lambert, Bonnie Pitblado and Meghan Dudley—Many Pathways to Stewardship of Oklahoma's Past and Present
- 222-e Robert Speakman, Victor Thompson, KC Jones, Isabelle Lulewicz and Carla Hadden—Academic Jobs in Archaeology
- 222-f Jenna Domeischel, Jesse Tune, Christine Gilbertson and Heather Smith—UAV-Based Mapping and Public Outreach at Blackwater Draw
- 222-g Amalia Perez-Juez, Ricardo Elia and Meredith Langlitz—Students Discover Heritage: Lessons from the Field Boston University Field School in Archaeological Heritage Management (Menorca-Spain)
- 222-h Dru McGill, John Wall, John K. Millhauser, Vincent Melomo and Ruth Little—Saving Oberlin: African-American Historic Archaeology and Preservation in Raleigh, North Carolina
- 222-i Beth Sheehan—The Influence of Journal Publishers on Archaeology Data Sharing
- 222-j Corey Bowen—Archaeology AskHistorians: Public-driven Inquiry and Outreach in the Digital Age

**[223] POSTER SESSION ■ EXPERIMENTAL APPROACHES TO ARCHAEOLOGY****Room:** Exhibit Hall B South**Time:** 2:00 PM–4:00 PM**Participants:**

- 223-a Catherine Carbone—Preliminary Study in Skeletal Weathering in the Southwest Llano Estacado
- 223-b Tressa Munger, Caitlyn Stellmach, Laura Peck, KC Carlson and Lee Bement—The Butchering Patterns Present at the Bull Creek Camp: A Late Paleoindian Site in Oklahoma
- 223-c Emma Behling and L. Adrien Hannus—Experimental Recreation of Shell Fishing Implements at Mitchell Indian Village in South Dakota
- 223-d Madison Grant and Jacqueline Pittman—An Experimental Approach to Fracture Variation Attributed to Weapon Morphology Using Replica Chankon Maces
- 223-e Charles Boyd, Donna Boyd and Marta Paulson—How Experimental Research in Forensic Archaeology Informs Archaeological Practice: Differentiating Perimortem Fracture from Postmortem Breakage
- 223-f Theresa Barket, Andrew Garrison, Claudia Camacho-Trejo and David Sosa—Revisiting the Function of Humboldt Points: Reflections from the Late Prehistoric Hackney Site in Mariposa County, California
- 223-g Anthony Graesch, Annette Davis, Sarah Harris, Andrew Prunk and Hector Salazar—An Experimental Archaeological and Digital Approach to Understanding the Manufacture of Slate Fishing Knives in Southwestern British Columbia

Friday Afternoon, April 13

- 223-h Elise Widmayer—An Experimental Approach to Understanding Paleoindian Bipolar Lithic Artifacts

**[224] POSTER SESSION ■ GEOARCHAEOLOGY****Room:** Exhibit Hall B South**Time:** 2:00 PM–4:00 PM**Participants:**

- 224-a Christopher L. Hill—Sedimentary and Taphonomic Contexts of Quaternary Vertebrate Fossils in the Northern Rocky Mountains
- 224-b Petra Elfström, Nathan Goodale, Alissa Nauman, Colin Quinn and Emily Rubinstein —Sediment Geochemistry and Household Spatial Analysis: Social Organization and Housepit Floors from Three Millennia of Occupation at the Slocan Narrows Site, Interior Pacific Northwest
- 224-c Elizabeth Graham, Richard Macphail, Phillip Austin and Lindsay Duncan—Marco Gonzalez, Ambergris Caye, Belize - Evidence for Salt Production
- 224-d Erica Krueger, Jon Wittig, Michael Savarese, Kylie Palmer and Antonio Arruza—Impact of Oyster Overharvesting in Southwest Florida by Calusa Native Americans
- 224-e Julie Field, Christopher Roos and Rebecca Hazard—Evidence for Forest Clearance and Food Production in Lapita and Post-Lapita Fiji
- 224-f Bethany Whitlock, Kevin Lane, Charles French, David Beresford-Jones and Oliver Huaman Oros —Identifying Strategies of Integration and Cooperation during the Late Intermediate Period (AD 1000–1480) at Sangayaico, South-Central Andes, Peru
- 224-g Beatrice Fletcher, Aubrey Cannon, Scott Martin and Eduard Reinhardt—Revealing Woodland Period Landscape Use at Rat Island, Hamilton Ontario Using Itrax™ XRF Soil Chemical Analysis
- 224-h Samantha Gibson, Kylie Palmer, Sasha Linsin Wohlpert, Michael Savarese and Karen Walker—Late Holocene Oyster Reef Development and Its Impact on Calusa Natural Resource Utilization, Estero Bay, Southwest Florida
- 224-i Josie Newbold—A Structural Geological Study of the Tombs of Nabataean Petra
- 224-j Megan LeBlanc—The Hydrologic and Geologic Dynamics of the Las Peñas Spring
- 224-k Clayton Meredith and Keith M. Prufer—The Rise and Fall of the Forest Canopy: An Application of Compound-Specific Stable Isotopic Analysis to a Holocene Sequence of Soils as a Record of Human Impacts in Southern Belize

**[225] POSTER SESSION ■ TRADE & EXCHANGE I****Room:** Exhibit Hall B South**Time:** 2:00 PM–4:00 PM**Participants:**

- 225-a Micah Hale, Adam Giacinto and Nicholas Hanten—Micro Currencies Can Rapidly Appear Among Energy Maximizers: A Case Study from the Southern Sierra Nevada Foothills
- 225-b Daniel Wilcox and Paul Nick Kardulias—Trade and Production of Steatite Vessels in New England
- 225-c Andrew Krug, Kyle Waller and Christine VanPool—Isotopic Approaches to Marine Shell Exchange in the Southwest
- 225-d Francis Lamothe, Karine Tache and Roland Tremblay—Human Presence and Intersocietal Interactions in the Laurentians (Quebec, Canada)
- 225-e Shannon Horton—What the Ceramics Tell Us About the Inhabitants of the Steve Perkins Site

Friday Afternoon, April 13

- 225-f Escee Lopez, Santos Cisceneros, Shelby Medina, Jessica Morales and Rene Vellanoweth—Economic and Style Trends of Shell Beads from the Tule Creek Village Site (CA-SNI-25) of San Nicolas Island, California
- 225-g Sara Zaia and Katherine Rose—Connecting the Dead: A Comparison of Pre-dynastic Nubian and Egyptian Cemeteries
- 225-h Madeleine Yakal—Origins and Movement of Tradeware Ceramics in the Bicol River, Philippines: Applying pXRF Technology to Trade and Interaction Research

**[226] POSTER SESSION ■ MESA VERDE ANCESTRAL PUEBLO VILLAGES: RECENT RESEARCH**

**Room:** Exhibit Hall B South

**Time:** 2:00 PM–4:00 PM

**Chair:** Donna Glowacki

**Participants:**

- 226-a Grant Coffey and Mark Varien—The Final Frontier: Chaco Great Houses in the Great Sage Plain of Southwestern Colorado
- 226-b Donna Glowacki and Kyle Bocinsky—The Great Houses of the Mesa Verde Cuesta
- 226-c Sean Field—Chaco Connections to Mesa Verde: An Engagement with Interregional Landscape Relationships
- 226-d Rebecca Simon and Shanna R. Diederichs—“Where the Stone Wall Ends”: Exploring Community Development through Great House Architecture
- 226-e Kelsey Reese and Brian Yaquinto—Mind the Gap: The Mesa Verde North Escarpment
- 226-f Tim Hovezak, Gary Ethridge and Gay Ives—JW Fewkes, James “Al” Lancaster, and Beyond: A Century of Preservation Archeology at Mesa Verde National Park
- 226-g Katherine Portman, Donna Glowacki and Kyle Bocinsky—Water Management on the Mesa: The Horseshoe Ridge Reservoir Community and the Occupation of Park Mesa, Colorado
- 226-h Gay Ives, Sheldon Baker, Christine McAllister and Tim Hovezak—Roads, Canals, and Agricultural Fields: Widespread Landscape Development across Chapin Mesa, Mesa Verde National Park

**[227] SYMPOSIUM ■ SOCIAL LEARNING IN THE PALEOLITHIC: EXPERIMENTAL APPROACHES**

**Room:** Taft

**Time:** 2:15 PM–5:00 PM

**Chairs:** Kathryn Ranhorn and Luke Premo

**Participants:**

- 2:15 Gilbert Tostevin, Luke Premo and William Wimsatt—Using Agent-Based Modeling to Study Constraints on the Social Learning of Lithic Technology
- 2:30 Knut Bretzke—A Probabilistic Approach to Study Diachronic Patterns in Human Behavior: A Case Study from the Paleolithic Sequence at Jebel Faya, UAE
- 2:45 Jonathan Paige and Charles Perreault—Was Acheulean Technology Genetically Transmitted? Comparing Variation in Acheulean Tools to Variation in North American Bird Nests
- 3:00 Megan Beney, Shelby Putt and Dietrich Stout—Pedagogy in the Paleolithic? The Influence of Verbal Teaching on Stone Knapping Skill Acquisition
- 3:15 Mark Moore—Experiments in Stone-Flaking Design Space and Implications for Social Learning Models

Friday Afternoon, April 13

- 3:30 Dietrich Stout, Justin Pargeter, Nada Khreisheh, Katherine Bryant and Erin Hecht—The “Molecular Genetics” of Social Learning: Skill Acquisition and Individual Differences in Learning
- 3:45 Kathryn Ranhorn, David R. Braun, Francys Subiaul and Alison Brooks—Levallois, Learning, and Lithic Variation: Results from Porcelain Flintknapping Experiments
- 4:00 Alison Brooks and John Yellen—Social Learning Among recent Hunter-Gatherers: Jun/wasi Examples
- 4:15 Luke Premo—Discussant
- 4:30 Steven Kuhn—Discussant
- 4:45 Questions and Answers

**[228] SYMPOSIUM ■ RECENT ADVANCES IN THE ARCHAEOLOGY OF THE CAROLINAS**

**Room:** Jefferson

**Time:** 4:15 PM–5:00 PM

**Chairs:** Adrienne Daggett and Keely Lewis

**Participants:**

- 4:15 Linda Stine—The Quaker Farm That Wasn’t: Archaeology at the Smith Farmstead
- 4:30 Keith Stephenson and Karen Smith—A Retrospect of Deptford in South Carolina
- 4:45 Mary Fitts and John Mintz—Transcending Borders: A New Approach to Prehistoric Contexts in North Carolina