

Friday Morning ■ March 31, 2017

[145] SYMPOSIUM ■ RECIENTES APORTACIONES SOBRE EL ESTUDIO DE LA CULTURA MATERIAL DE SANTA CRUZ ATIZAPÁN, UN CENTRO REGIONAL DEL CLÁSICO TARDÍO–EPICLÁSICO EN LA CUENCA DEL ALTO LERMA

Room: East Meeting Room 10 (VCC)

Time: 8:00 AM–9:30 AM

Chairs: Rubén Nieto and Gustavo Jaimes Vences

Participants:

- 8:00 Yoko Sugiura—Desarrollo de Santa Cruz Atizapan: Un Centro Regional en la Margen Occidental de la Ciénaga de Chignahuapan, Valle de Toluca
- 8:15 Gustavo Jaimes Vences, Sugiura Yoko and Xim Bokhimi—Caracterización Química (MEB-EDS) y Cristalográfica (DRX) de Cerámica Local del Sitio Arqueológico Santa Cruz Atizapán
- 8:30 Rubén Nieto, Gustavo Jaimes Vences, Xim Bokhimi and Yoko Sugiura—La Cerámica Engobe Naranja Grueso de Santa Cruz Atizapán: Examen Integral de un Indicador Arqueológico del Intercambio durante el Epiclásico (ca. 650–900 dC)
- 8:45 Mauricio Obregón and Luis Barba—Chemical Residues in Ceramic Household Containers of Santa Cruz Atizapan Site in the Valley of Toluca, Mexico
- 9:00 Abigail Meza-Peñaloza and Yoko Sugiura—Salud y Adaptación al Medio en San Mateo Atenco y Santa Cruz Atizapan (ca. 200–1000 dC)
- 9:15 Francisco Sanchez—Tizatl y Tizatlalli: El Uso de Diatomea Fósil en el Engobe Blanco de la Cerámica Coyotlatelco en Santa Cruz Atizapán

[146] GENERAL SESSION ■ AFRICAN ARCHAEOLOGY I

Room: West Meeting Room 203 (VCC)

Time: 8:00 AM–9:45 AM

Chair: Pamela Willoughby

Participants:

- 8:00 Michael Bisson—Paleolithic Survey on the Upper Luangwa Valley, Zambia
- 8:15 Pamela Willoughby—A Middle and Later Stone Age Sequence from Iringa, Southern Tanzania
- 8:30 Jessica Thompson, Alan Morris, Flora Schilt, Andrew Zipkin and Kendra Sirak—The Forgotten Significance of the Later Stone Age Sites near Hora Mountain, Mzimba District, Malawi
- 8:45 Benjamin Collins and Christopher Ames—Preliminary Results from New Excavations of the Late Pleistocene Occupations at Grassridge Rockshelter, South Africa
- 9:00 Peter Coutros and Jessamy Doman—People and Paleoclimates at the Diallowali Site Complex: Changing Patterns along the Middle Senegal Valley throughout the First Millennium BC
- 9:15 Amanuel Beyin, Hong Wang, Mary Prendergast and Katherine Grillo—Terminal Pleistocene and Early Holocene Settlements in West Turkana (Northern Kenya): New Radiocarbon Dates
- 9:30 Elizabeth Wilson, Cynthia M. Fadem, Victoria P. Johnson, Audax Z. P. Mabulla and Charles P. Egeland—Taphonomic and Geological Approaches to the Identification of In Situ versus Ex Situ Archaeological Material: A Case Study from BK East, Bed II, Olduvai Gorge

[147] FORUM ■ GRAPPLING WITH COMPLEXITY: A FORUM IN HONOR OF KATHARINA SCHREIBER**Room:** East Meeting Room 7 (VCC)**Time:** 8:00 AM–10:00 AM**Moderators:** Christina Conlee and Kevin Vaughn**Participants:**

Justin Jennings—Discussant
Alicia Gorman—Discussant
Tiffany A. Tung—Discussant
John Kantner—Discussant
Matt Edwards—Discussant
Hendrik Van Gijsegem—Discussant
Ian Lindsay—Discussant
Jason Toohey—Discussant
Brian Billman—Discussant
Corina Kellner—Discussant
Dennis Ogburn—Discussant

[148] FORUM ■ ARCHAEOLOGICAL VOLCANOLOGY**Room:** East Meeting Room 20 (VCC)**Time:** 8:00 AM–10:00 AM**Moderators:** Felix Riede, Gina Barnes and Payson Sheets**Participants:**

Ben Fitzhugh—Discussant
Payson Sheets—Discussant
Gerald Oetelaar—Discussant
Richard VanderHoek—Discussant
Andrew Dugmore—Discussant
Mark Elson—Discussant
Masaru Kobayashi—Discussant
Christopher A. Pool—Discussant
Karen Holmberg—Discussant
James A. Zeidler—Discussant

[149] FORUM ■ BEYOND DATA MANAGEMENT: A CONVERSATION ABOUT “DIGITAL DATA REALITIES”**Room:** East Meeting Room 5 (VCC)**Time:** 8:00 AM–10:00 AM**Moderators:** Sarah Whitcher Kansa and Eric Kansa**Participants:**

Adela Sobotkova—Discussant
Julian Richards—Discussant
Ixchel Faniel—Discussant
Tim Goddard—Discussant
W. Fredrick Limp—Discussant
Ben Marwick—Discussant
Anne Austin—Discussant
Jeremy Huggett—Discussant
Adam Brin—Discussant

[150] FORUM ■ PROFESSIONALS, AVOCATIONALS, COLLECTORS: RECALIBRATING THE RELATIONSHIP

Room: East Meeting Room 4 (VCC)

Time: 8:00 AM–10:00 AM

Moderators: Michael Shott and Bonnie Pitblado

Participants:

Christopher Espenshade—Discussant
Suzie Thomas—Discussant
Guadalupe Sanchez Miranda—Discussant
Virginia L. Butler—Discussant
Angela Neller—Discussant
Dennis Lewarch—Discussant
Giovanna Peebles—Discussant
Jim Cox—Discussant
Teddy Stickney—Discussant

[151] POSTER SESSION ■ ARCHAEOLOGY IN WESTERN ASIA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 151-a Jane Skinner, Timothy Hay, Katherine Smyth, Jamie Quartermaine and Ann E. Killebrew—Landscape Archaeology and New Technologies at Tel Akko and in the Plain of Akko
- 151-b Michael Neeley and Steven Swinford—Complete versus Broken: Exploring Assemblage Variation in Two Natufian Sites from Jordan
- 151-c Yael Rotem—The Transformation from Complex Village Society to Local Urbanism in the Southern Levant: New Observations in Light of Evidence from the Central Jordan Valley in the Early Bronze Age I–II
- 151-d Megan Wong, Martin Steskal, Elise Naumann, Johann Rasmus Brandt and Michael P. Richards—Diet and Mobility in Roman and Byzantine Turkey
- 151-e Jennifer Ramsay and Geoffrey Hedges—Evidence of Destruction at the End of the Early Bronze Age III Period at Khirbet Iskander, Jordan: An Archaeobotanical Perspective
- 151-f Jennifer Jones—Population Aggregation at the Early Bronze Age Settlement of al-Lajjun, Kerak Plateau, Jordan
- 151-g Daniella Tarquinio, Gerald Conlogue, Jaime Ullinger and Ramon Gonzalez—Confirmation of an Osteological Feature, Diploic Veins, via Three Imaging Modalities
- 151-h Catherine Scott—A Comparison of Elemental Analysis Methods for Sediment Geochemistry
- 151-i Gwendolyn Kristy, Kate Frank and Emily Hammer—The Impacts of Urbanization on Archaeological Site Preservation in Afghanistan
- 151-j Heather Hilson, Sarah B. McClure and Timothy M. Ryan—Comparing Bone Structure and Domestic Sheep Management Strategies Using Microcomputed Tomography (microCT)

[152] POSTER SESSION ■ AFRICAN ZOOARCHAEOLOGY

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 152-a Liat Lebovich, Victoria P. Johnson, Ryan M. Byerly, Cynthia M. Fadem and Charles P. Egeland—Taphonomy of a Modern Landscape Bone Assemblage in the Ngorongoro Conservation Area, Tanzania

- 152-b Robert Diehl—Toward an Interpretive Framework for Burnt Ostrich Eggshell: An Experimental Study
- 152-c Rachel Sender, Daniel Peart, Hannah Keller and Naomi Cleghorn—Ostrich Eggshell Taphonomy and Distribution at Knysna Eastern Heads Cave 1
- 152-d Sean Hixon, Emma Elliott Smith, Brooke Crowley, Richard Bankoff and Douglas J. Kennett—Patterns in Amino Acid Delta 15N Values of Lemurs Are Inconsistent with Aridity Driving Megafaunal Extinction in Southwestern Madagascar
- 152-e Stephen Merritt and Kara Peters—The Impact of Experience and Flake Attributes on Carcass Processing Time and Efficiency during Actualistic Early Stone Age Butchery

[153] POSTER SESSION ■ EARLY AND MIDDLE STONE AGE ARCHAEOLOGY IN AFRICA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 153-a Andrew Schroll, Grant McCall, Theodore Marks and James McGrath—Behavior Change in Hunter-Gatherers of the Namib: A Reanalysis of the Terminal Pleistocene Lithic Technology at the Mirabib Hill Rockshelter, Western Namibia
- 153-b Catherine Miller, Russell Cutts, David R. Braun and J.W.K. Harris—Landscape Survey of Potential Combustion Features at FxJj20 Site Complex in Koobi Fora, Kenya
- 153-c Naomi Cleghorn, Ximena Villagran, Benjamin Schoville, Daniel Peart and Hannah Keller—Hearth Features at Knysna Eastern Heads Cave 1, Southern Coast of South Africa
- 153-d Courtney Jirsa, Tamara Dogandžic, Kathryn L. Ranhorn and David R. Braun—Assessing Edge Damage in MSA Lithic Assemblages: Experimental Proxies for the Analysis of Use and Postdepositional Damage
- 153-e Michael Ziegler, Shannon Warren, Ssebuyungo Christopher, Silindokuhle Mavuso and Kathryn L. Ranhorn—Site Formation Analysis of Middle Stone Age Locality GaJj17 in the Koobi Fora Formation, Northern Kenya
- 153-f Sidney Reynolds, Jonathan S. Reeves, Matthew Douglass and David R. Braun—Hominin Land Use of and Movement in the Koobi Fora Formation (Kenya)
- 153-g Logan Van Hagen, Kathryn L. Ranhorn, Tamara Dogandžic and David R. Braun—Lithic Analysis of GaJj17: A Middle Stone Age Locality in Koobi Fora, Northern Kenya
- 153-h Ella Beaudoin, David R. Braun and Jonathan S. Reeves—Tool Use Across Space in the Middle Pleistocene: Novel Techniques of Edge Damage Analysis at Elandsfontein, South Africa

[154] POSTER SESSION ■ METHODOLOGICAL ADVANCES IN AFRICAN ARCHAEOLOGY

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 154-a Amy Chan—An Analysis of Funerary Food Offerings and Imagery in Theban Tombs from New Kingdom, Egypt
- 154-b Celia Goncalves, João Cascalheira, Jonathan Haws, Mussa Raja and Nuno Bicho—Using GIS and Archaeological Survey Data for the Reconstruction of Stone Age Settlement Patterns in the Elephant River Valley, Mozambique
- 154-c Sean Deryck, Russell Cutts, David R. Braun and J.W.K. Harris—Ongoing Excavations at FxJj20Main-Extension-0, Koobi Fora, Kenya
- 154-d João Cascalheira, Nuno Bicho and Celia Goncalves—An Android-Based System for Archaeological Survey and On-Site Stone Tool Analysis

- 154-e Raghda El-Behaedi, Douglas Gamble, Eman Ghoneim and Eleanora Reber—Using Remote Sensing to Monitor and Predict the Inundation of the Abu Simbel Temples, Egypt
- 154-f Ross Campbell, Russell Cutts, David R. Braun and J.W.K. Harris—Statistical Evidence for a New Method of Identifying Anthropogenic Fire in the Archaeological Record
- 154-g Caroline McKinney, Sarah Hlubik and David R. Braun—Applications of Multiplespectral Imagery to the Archaeology of Human Origins
- 154-h Jacob Foubert and James McGrath—Of Ostrich and Ochre: The Application of pXRF to Detect Experimentally Pigmented Ostrich Eggshell
- 154-i Ryan Szymanski—Human Landscape Modification and Environmental Change in the Western Kenyan Highlands
- 154-j Steven Goldstein, Michael Storozum, Fiona Marshall, Rachel Reid and Stanley Ambrose—Herder Land Use and Nutrient Hotspots in Southern Kenya: Geochemical Analysis of Anthropogenic Soil Enrichment
- 154-k Meredith Carlson, Jonathan S. Reeves, David R. Braun and Matthew Douglass—An Experimental and Archaeological Investigation of the Role of Edge Angle in Lithic Artifact Damage: Applications to the Koobi Fora Fm., Kenya

[155] POSTER SESSION ■ CURRENT CERAMICS RESEARCH IN THE AMERICAN SOUTHWEST

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 155-a Emily Case and Emma Britton—Compositional and Lead Isotope Analyses of Carretas and Huerigos Polychrome from Northwestern Chihuahua
- 155-b Suzanne Eckert, David Hill and Judith Habicht-Mauche—Exploring the Keresan Bridge: Acoma Glaze Ware Pottery Production and Exchange in an Interregional Context
- 155-c Robert Bischoff—A Spatial Analysis of San Juan Red Ware Using Least Cost Paths
- 155-d Leszek Pawlowicz, Christopher Downum and Michael L. Terlep—Applications of Machine Learning to Classification and Analysis of Southwestern U.S. Ceramic Designs
- 155-e David Lewandowski and Theodore Tsouras—Testing Methods for Ceramic Dating on Northern Black Mesa
- 155-f Rebecca L. Simon—When Pots Walk: Reverse Archaeology at a Chaco Outlier Site in the Central Mesa Verde Region
- 155-g Sachiko Sakai—Reevaluating Diachronic Trends of Corrugated Ware and Rim Eversion of Jars in Virgin Branch Ancestral Pueblo Ceramics Using Optically Stimulated Luminescence (OSL) Dating
- 155-h Christina Stewart—Reading Between the Lines: A Biscuitware Analysis in the Lower Chama Valley
- 155-i Kelsey Reese, Molly Lott, Katherine Portman, Donna Glowacki and James Potter—Pottery Production at Cowboy Wash Pueblo: A Central Village on the Ute Piedmont Frontier
- 155-j Brenton Willhite, Andrew Fernandez, Andrew Krug and Christine VanPool—Paint It Black: A Geospatial Analysis of Chupadero Black-on-White Ceramics
- 155-k William Willis—Spatial-Temporal Distribution of Prehistoric Puebloan Settlements and Ceramic Wares on the Shivwits Plateau
- 155-l Andrew Duff, Judith Habicht-Mauche and Rob Franks—Glaze-Paint Pigmenting Strategies in the Upper Little Colorado and Western Zuni Regions of the American Southwest

[156] POSTER SESSION ■ CENTRAL AMERICA AND CARIBBEAN**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 156-a Gabriela Roman Buso, Ash A. Matchett, Juan Carlos Martínez-Cruzado and Edwin Crespo Torres—Molecular Disease Characterization in a Precolumbian Indigenous Population of Punta Candelerero, Puerto Rico
- 156-b John Krigbaum, Christina M. Giovas and Scott Fitzpatrick—Agouti Commensalism? An Open Question in the Prehistoric Lesser Antilles, West Indies
- 156-c Catherine G. Cooper, Angela Perri, Jessica L. Burns, Jeremy M. Koster and Michael P. Richards—Dietary Variability through Isotopic Analysis of Modern Human Hair from Nicaragua: Exploring Significant Differences in Diet between and among Demographic Groups in a Single Population
- 156-d Franziska Fecher, Markus Reindel and Peter Fux—Interregional Connections of Northeast Honduras during the Postclassic Period
- 156-e Monica Briseno—Archaeology of Religion in Nicaragua
- 156-f Patricia Hansell—High-Resolution Imaging of Stone Tools from the First Millennium BC, Grand Coclé Region of Panama: A Digital Archive Initiative
- 156-g Carrie Dennett and Lorelei Platz—Materializing Ritual: Sorcery, Transformation, and Divination in Greater Nicoya

[157] SYMPOSIUM ■ RETHINKING ARCHAEOLOGIES OF PILGRIMAGE**Room:** East Meeting Room 9 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Benjamin Skousen**Participants:**

- 8:00 Benjamin Skousen—A Relational View of Pilgrimage: Movements, Materials, and Effects
- 8:15 Ryan Lash—Pilgrims and Pebbles: The Taskscape of Veneration on Inishark, County Galway
- 8:30 Joel Palka—Mesopotamian Clay Tokens, Pilgrimage, and Interaction
- 8:45 Todd VanPool and Christine VanPool—Traveling to the Horned Serpent's Home: Pilgrimages to Paquimé
- 9:00 Lauren Ristvet—Peripatetic Kingship, Pilgrimage and Pastoralism: Reevaluating the Politics of Movement in the Ancient Near East
- 9:15 Eleanor Harrison-Buck—It's the Journey, Not the Destination: Maya New Year's Pilgrimage as Circumambulatory Movement and Regenerative Power
- 9:30 Robert Weiner—Playing with Fate: A Relational and Sensory Approach to Pilgrimage at Chaco Canyon
- 9:45 Ruth Van Dyke—Discussant

[158] SYMPOSIUM ■ THE LIMITS OF "LANDSCAPE": ALTERNATIVE ARCHAEOLOGIES OF SPACE**Room:** East Meeting Room 2 (VCC)**Time:** 8:00 AM–10:00 AM**Chairs:** Jan Kolen, Eduardo Herrera Malatesta and Martti Veldi**Participants:**

- 8:00 Jeff Oliver—Discussant
- 8:15 Jan Kolen—Discussant
- 8:30 Felipe Criado-Boado—Discussant
- 8:45 Jan Kolen—The First Cultural Landscapes of Europe—and Before . . .
- 9:00 Marcos Lobera—Not Landscape: Landscape Archaeology as Bricolage

- 9:15 Alexander Geurds—Mohammed's Paradise: Indigenous Society and Natural Surroundings in Southern Central America
- 9:30 Martti Veldi—Biographical Approach for Evaluating Archaeological Landscapes: A Case Study from Estonia
- 9:45 Eduardo Herrera Malatesta—Contrasting Worldviews in Hispaniola: Places and Taskscapes at the Age of Colonial Encounter

[159] SYMPOSIUM ■ BEYOND (BETWEEN, WITHIN, THROUGH) THE GRID: THE CONTOURS OF MAPPING AND GIS IN HISTORICAL ARCHAEOLOGY

Room: East Meeting Room 17 (VCC)

Time: 8:00 AM–10:15 AM

Chairs: Alanna Warner-Smith and Sarah Platt

Participants:

- 8:00 Holly Norton—Arm Chair Archaeology: GIS-ing the 1733 St. Jan Slave Rebellion
- 8:15 Alanna Warner-Smith—A View from Somewhere: Mapping Nineteenth-Century Cholera Narratives
- 8:30 Sarah Platt—Modern Floods, Historic Fires, and Unstable Urban Landscapes in Charleston, South Carolina
- 8:45 Siobhan Hart and George Homsy—Stories from North of Main: Neighborhood Heritage Story Mapping
- 9:00 Ryan Kennedy, Guido Pazzarossi and Tamar Brendzel—The Fish of Fort Morris: A GIS-Based Study of Human-Environment Interaction during the American Revolutionary War
- 9:15 Liza Gijanto—Interpreting West Ashcom: Drones, Artifacts, and Archives
- 9:30 Heather Law Pezzarossi—Visualizing Nineteenth-Century Nipmuc Landscapes
- 9:45 Kathryn Sampeck, Tyler Howe and Russell Townshend—Time, Place, and Community: Visualizing the Living Cherokee Landscape
- 10:00 Questions and Answers

[160] SYMPOSIUM ■ THE PISGAH CULTURE AND MISSISSIPPIAN ADAPTATION ON THE APPALACHIAN PERIPHERY

Room: East Meeting Room 8 (VCC)

Time: 8:00 AM–10:15 AM

Chair: Ashley Schubert

Participants:

- 8:00 Christopher Rodning and David Moore—South Appalachian Mississippian in the Appalachian Summit: The Pisgah and Qualla Phases in Western North Carolina
- 8:15 Gabrielle Purcell and Ashley Schubert—Archaeobotanical Analysis from the Cane River Site (31Yc91)
- 8:30 Thomas Whyte—Big Meat Feasting in the Pisgah Phase of Western North Carolina.
- 8:45 Ashley Schubert—Mississippianization in Late Pisgah Communities in the Appalachian Summit of North Carolina
- 9:00 Tasha Benyshek and Paul Webb—Mississippian Occupations at the Ravensford and Iotla Sites
- 9:15 Jane Eastman—Connestee and Pisgah Contexts in the Tuckaseegee Valley of Western North Carolina
- 9:30 Jay Franklin and S. D. Dean—Pisgah Archaeology in the Upper Reaches of the Tennessee Valley
- 9:45 Tyler Howe and Kathryn Sampeck—Principles of Cherokee Regionalization and Material Practices of the Pisgah Phase in the Trans-Appalachian Area
- 10:00 Charles Cobb—Discussant

[161] SYMPOSIUM ■ COMPLEXITY IN SUB-SAHARAN AFRICA: ARCHAEOLOGICAL AND ETHNOARCHAEOLOGICAL APPROACHES TO LANDSCAPE, CRAFT, AND TRADE IN THE PAST 3,000 YEARS

(Sponsored by Society of Africanist Archaeologists)

Room: West Meeting Room 209 (VCC)

Time: 8:00 AM–10:45 AM

Chair: Diane Lyons

Participants:

- 8:00 Louise Iles—The Spread of Iron Metallurgy: The African Continent
8:15 Peter Schmidt—Sacred and Magnificent, Degraded Landscapes: Crater Rims as Sacred Places and Transformed Spaces in Western Uganda
8:30 David Wright, Scott MacEachern and Stanley Ambrose—Evolution of Iron Age to Modern Landscapes in the Benoué River Valley, Cameroon
8:45 Ashley Coutu and Judith Sealy—The Roots of Global Trade in the Southern African Iron Age
9:00 Neil Norman, Madeline Gunter, Bruce Larson and Hayden Bassett—Deep Histories from Shallow Sites: Archaeological Investigations of Later Sites in Eastern Djibouti
9:15 Alexander Antonites—Building a Network: Territorialization and Deterritorialization in Thirteenth-Century Northern South Africa
9:30 Ceri Ashley—Creating the “Imagined Community” of Mapungubwe
9:45 Stephen Dueppen and Daphne Gallagher—Remodel, Rebuild, or Abandon? Changing Uses of Space in an Early West African Village
10:00 Diane Lyons—Transferring Technological Styles: An Ethnoarchaeological Study of Marginalized Pottery Production in Tigray, Northern Highland Ethiopia
10:15 Joanna Casey—From the Field to the Festival: Reading the Landscape of Cloth in Axum, Ethiopia
10:30 Philip de Barros—Using Ethnoarchaeology to Interpret Archaeological Blacksmithing Sites in Togo, West Africa

[162] SYMPOSIUM ■ INTERDISCIPLINARY APPROACHES TO STUDYING HUMAN SOCIAL DYNAMICS: A CASE STUDY FROM SOUTHERN BELIZE

Room: East Meeting Room 19 (VCC)

Time: 8:00 AM–10:45 AM

Chairs: Amy Thompson and Keith M. Prufer

Participants:

- 8:00 Keith M. Prufer—The Development and Resilience of Complex Polity in the Southern Maya Lowlands: A Decade of Research at Uxbenká, Toledo, Belize
8:15 Clayton Meredith, Christopher Merriman, Jessica Thompson Jobe and Keith M. Prufer—Geomorphic and Isotopic Indicators of Anthropogenic Change from Holocene-Length Alluvial Deposits in the Rio Blanco Watershed
8:30 James Baldini, Keith M. Prufer, Yemane Asmerom, Franziska Lechleitner and Sebastian Breitenbach—Identifying the Drivers of Central American Rainfall Shifts: Implications for Past, Present, and Future Human Behavior
8:45 Valorie Aquino, Douglas J. Kennett, Yemane Asmerom and Keith M. Prufer—Comparison of a Community-Scale Classic Maya Political Adaptive Cycle with a Bimonthly-Resolved Paleoclimate Record from Uxbenká, Belize
9:00 Amy Thompson, Keith M. Prufer, Clayton Meredith and Jillian M. Jordan—Settlement Development and Social Landscapes at the Classic Period Maya Center Uxbenká
9:15 Willa Trask, Kristin Hoffmeister and J. Alex Canterbury—Life and Death in the Southeastern Maya Periphery: Bioarchaeological and Isotopic Analysis of the Uxbenká Burial Population

- 9:30 Jillian M. Jordan—Late Classic Ceramic Production and Communities of Practice at Uxbenká, Belize
- 9:45 Bruce Winterhalder, Luis Pacheco-Cobos, Carmen Cortez, Estrella Chevez and Chloe Atwater—The Effects in a Maya Community of School Enrollment on Young Adult Time Allocation to Activities Dependent on Traditional Ecological Knowledge
- 10:00 Rebecca Zarger and Kristina Baines—Perceptions of Changing Landscape Mosaics in Southern Belize
- 10:15 Douglas J. Kennett—Discussant
- 10:30 Questions and Answers

[163] SYMPOSIUM ■ INVESTIGATING INTERACTION FROM TUNACUNNHEE TO TALAJE: PAPERS IN HONOR OF RICHARD W. JEFFERIES

Room: East Ballroom C (VCC)

Time: 8:00 AM–10:45 AM

Chair: Christopher Moore

Participants:

- 8:00 Christopher Moore—Interacting in Cramped Spaces: Material Culture and Identity at the Mission San Joseph de Sapala
- 8:15 Maureen Meyers—Shell Bead Production at a Southern Appalachian Mississippian Frontier
- 8:30 Richard Jefferies—Discussant
- 8:45 Brian Butler—Hopewellian Connections in the Midsouth: Tunacunnhee and Yearwood
- 9:00 Rachel Hensler—Native American Interaction during the Spanish Contact and Mission Period on the Central Coastal Plain of Georgia, USA, AD 1540–1700
- 9:15 Edward Henry, George Milner and Natalie Mueller—There and Back Again: Dick Jefferies, Winchester Farm, and Middle Woodland Interaction across Central Kentucky
- 9:30 Victor Thompson, Thomas Pluckhahn, Matt Colvin, Jacob Lulewicz and Brandon Ritchison—Plummets, Ritual Dance, Individuals, and Macroregional Interactions during the Woodland Period in Florida
- 9:45 Kary Stackelbeck—Exploring Different Facets of Early Hunter-Gatherer Interaction in Selected Ecotonal Boundary Areas of North and South America
- 10:00 Jay Johnson and John Connaway—Pochteca from Cahokia, an Evaluation of the Implications of Mississippian Period Contact between the American Bottoms and the Northern Yazoo Basin in Mississippi
- 10:15 Sissel Schroeder—Travels and Traverses, Pilgrimages and Passages: Alternative Concepts of Interaction
- 10:30 Keith Stephenson—Aspects of Carved Paddle Stamped Designs from the Middle Mississippian Period

[164] SYMPOSIUM ■ ARCHAOMETALLURGY OF THE NEW WORLD: CURRENT RESEARCH, APPROACHES, AND METHODS

Room: West Meeting Room 208 (VCC)

Time: 8:00 AM–11:00 AM

Chair: Blanca Maldonado

Participants:

- 8:00 Joel W. Grossman and Timothy C. Kenna—Early Metallurgy from Waywaka in the South-Central Highlands of Andahuaylas, Apurimac, Peru: New AMS Dates and XRF Analysis
- 8:15 David Killick and Frances Hayashida—Lung-Powered Copper Smelting on the Pampa de Chaparri, Lambayeque Department, Peru

- 8:30 Branden Rizzuto—The Origins and Development of Arsenic Bronze Technologies on the North Coast of Peru: Preliminary Results from Archaeometric and Experimental Investigations
- 8:45 Alicia Boswell, Ellen Howe, Joanne Pillsbury and Deborah Schorsch—Variations in Mochica Metalwork
- 9:00 Colin Thomas—Imperial Authority and Local Agency: Investigating the Interplay of Disruptive Technology, Indirect Authority, and Changing Ritual Practice at Dos Cruces
- 9:15 Carol Schultze and Colleen Zori—Silver Production and Inka Expansion in the South-Central Andes
- 9:30 Mary Van Buren—The Environmental Effects of Indigenous Smelting in the Southern Andes: A Look at the Source
- 9:45 María Scattolin and Leticia Cortés—The Contribution of Northwestern Argentina to the Metallurgical Andean Tradition
- 10:00 Blanca Maldonado, José Luis Punzo, Thilo Rehren, Juan Julio Morales and Avto Gogichaishvili—Primary Copper Smelting in Mesoamerica: A Case Study from Central Michoacán
- 10:15 Michael Tarkanian and Elizabeth H. Paris—An Evaluation of Stingless Bee Wax as a Pattern Material in Mesoamerican Investment Casting
- 10:30 Izumi Shimada—Discussant
- 10:45 Niklas Schulze—Metallurgy in America: What Do We Know About Its Development and Diffusion?

[165] SYMPOSIUM ■ UPPER PALEOLITHIC TRANSITIONAL “MOMENTS” ON THE IBERIAN PENINSULA

Room: East Meeting Room 14 (VCC)

Time: 8:00 AM–11:00 AM

Chairs: Lisa Fontes and Emily Lena Jones

Participants:

- 8:00 Milena Carvalho—An Assessment of Small Game Exploitation at Gruta Nova da Columbeira in the Middle Paleolithic (Portugal)
- 8:15 Jonathan Haws, Michael Benedetti, Nuno Bicho, João Cascalheira and Lukas Friedl—The Middle-Upper Paleolithic Transition in Southern Iberia: New Dates from Lapa do Picareiro, Portugal
- 8:30 Brandon Zinsious and Jonathan Haws—Lapa do Picareiro and the Gravettian-Solutrean Transition: Refining the Chronology of the Solutrean Techno-Complex in Western Iberia
- 8:45 Ariane Burke, Colin D. Wren and Julien Riel-Salvatore—The Social Consequences of Climate-Driven Changes in the Spatial Distribution of Human Populations during the Last Glacial Maximum (LGM)
- 9:00 Marcel Bradtmöller, Gerd Christian Weniger, Andreas Maier, Isabell Schmidt and Maria José Iriarte-Chiapusso—The Repeated Replacement Model Reexamined: Methodological Considerations and Dataset Improvements
- 9:15 J. Emili Aura Tortosa—Walking Before Running: Late Paleolithic Regional Dynamics in the Spanish Mediterranean Region Previous to the “Last Big Transition” (17–10 ky cal BP)
- 9:30 Lisa Fontes—The Elusive Vasco-Cantabrian Middle Magdalenian: Reflections from Urtiaga Cave, Guipúzcoa, Spain
- 9:45 Aitor Ruiz-Redondo—Symbolic Behavior at the End of the Paleolithic: A View from Cantabrian Region Rock Art
- 10:00 Jennifer Jones, Ana B. Marín Arroyo and Michael P. Richards—Bioarchaeological Approaches to Reconstructing Upper Paleolithic Environments in the Cantabrian Region, Northern Spain

- 10:15 Javier Fernandez-Lopez de Pablo, Mario Gutiérrez-Roig, Magdalena Gómez-Puche and Sergi Lozano—Late Glacial to Middle Holocene Demographic Dynamics in Iberia: A Chronological Modeling Approach
- 10:30 Telmo Pereira and António Faustino Carvalho—The End of an Era: The Final Moments of the Pleistocene-like Hunter-Gatherer Lifeway in the Westernmost Eurasian Site of Pena d'Água (Portugal)
- 10:45 Nicholas Conard—Discussant

[166] SYMPOSIUM ■ CONNECTIVITIES IN PREHISTORIC AND CLASSICAL WEST/CENTRAL MEDITERRANEAN

Room: East Meeting Room 13 (VCC)

Time: 8:00 AM–11:00 AM

Chairs: Linda Gosner and Jeremy Hayne

Participants:

- 8:00 Anthony Russell—Globalization in the Bronze Age? In Search of a Metaphor of Connectivity in the Central Mediterranean
- 8:15 Jeremy Hayne—The Missing Link? Sardinia, Corsica, and Italy and Their Connections in the Late Bronze and Early Iron Age
- 8:30 Lela Urquhart—Measuring the Impact of Ancient Colonization in Central-West Sicily
- 8:45 Jessica Nowlin—An Inland Response to “Orientalization”: Funerary Ritual and Local Practice in Central Italy
- 9:00 Jacob Deppen—Connected through Things: Connectivity in Iron Age Mallorca
- 9:15 Catalina Mas Florit and Miguel Ángel Cau Ontiveros—Inland Connectivity in Late Antique Mallorca (Balearic Islands, Spain)
- 9:30 Beatriz Marin-Aguilera—Interweaving Colonial and Local Networks: Textile Production in Early Iron Age Iberia
- 9:45 Linda Gosner—Mining, Migration, and Movement in Roman Iberia
- 10:00 Catherine Steidl—The Business of “Becoming”: Community Formation and Greek Colonization in the Northwestern Mediterranean
- 10:15 Questions and Answers
- 10:30 Miguel Ángel Cau Ontiveros—Discussant
- 10:45 Peter Van Dommelen—Discussant

[167] SYMPOSIUM ■ ARCHAEOLOGY OF INDIA

Room: East Meeting Room 16 (VCC)

Time: 8:00 AM–11:15 AM

Chair: Neha Gupta

Participants:

- 8:00 Supriya Varma—Unsettling a Region: Archaeological Landscapes and Seascapes of Saurashtra, Western India
- 8:15 Nazim Jafri—Cultural Change in Funerary Practices from Harappan to Post-Harappan Phases in Proto-Historic India
- 8:30 Jaya Menon—The Materiality of Domestic Space: Indor Khera, North India, 200 BCE–500 CE
- 8:45 Teresa Raczek—Micro-Regions and Materiality: Artifact Analysis at Panchmata, India
- 9:00 Meenakshi Vashisth—A Study of the Archaeological Landscape of Bairat, Jaipur District, Rajasthan
- 9:15 Mannat Johal—“The South” as Object of Knowledge between Archaeology and History
- 9:30 Julie Hanlon—Carving a Space for Jainism: Jain Rock-Cut Caves in Early Historic to Medieval Tamil Nadu, South India

- 9:45 Kelly Wilcox Black—Zooarchaeology and the Study of Human-Animal Relationships in Pre- and Early Historic South India
- 10:00 Peter Johansen and Andrew Bauer—Settlement, Socio-environmental Practice, and the Long Durée of Landscape Production in South India: A Regional View from Maski, Raichur District, Karnataka
- 10:15 Rajesh Vasantha, Abhayan G.S., Akinori Uesugi, Ajit Kumar and Neha Gupta—Current State of Megalithic Research in Kerala, India
- 10:30 Neha Gupta, Rajesh SV and Abhayan G.S.—Fishers and Farmers in Northern Kerala: Preliminary Results from the Northern Kerala Archaeological Project (NorKAP)
- 10:45 Carla Sinopoli—Discussant
- 11:00 Questions and Answers

[168] SYMPOSIUM ■ GLOBAL PERSPECTIVES ON THE ARCHAEOLOGY OF RITUALLY MOUNDED LANDSCAPES

Room: East Meeting Room 18 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: James Flexner, Catherine Frieman and Ian McNiven

Participants:

- 8:00 James Flexner—400 Years of History and Cross-Cultural Interactions in a Ritually Mounded Landscape of South Tanna, Vanuatu
- 8:15 Lynn Gamble—Ceremonial Practices, Feasts, and Persistent Places: A Ritually Mounded Landscape Constructed by Hunter-Gatherers in Southern California
- 8:30 Seth Quintus and Jeffrey Clark—Toward a Further Understanding of Samoan Star Mounds: Considering the Intersection of Ecology, Politics, and Ritual in Ancient Samoa
- 8:45 Andreja Malovoz—Changing Social Spatiality in Mounded Funerary Landscapes
- 9:00 Catherine Frieman and James Lewis—Barrow Roads and Bronze Age Wayfaring
- 9:15 Questions and Answers
- 9:30 Patrick Faulkner and Peter Hiscock—Ritual and/or Transformation: The Anadara Granosa-Dominated Shell Mounds of the Australian Tropics
- 9:45 Phil Stastney—Heaps of Time: Methodological Considerations for Dating Earthen Mound Construction
- 10:00 Tsim Schneider—The Ritual of Return: Mounded Landscapes in Colonial California
- 10:15 Elaine Jamieson—Wizards, Dragons, and Giants: Creating Motte Castles in an English Landscape
- 10:30 Kelly Ervin—Recognizing Ritual in the Elaboration of Earthwork Construction at Jaketown
- 10:45 Catriona Gibson—Raising the Ground, Building a Mound: Bronze Age “Barrowscapes” in Southern Britain
- 11:00 Jim Leary—Discussant

[169] SYMPOSIUM ■ CONNECTING MIDDLE PALEOLITHIC DATASETS: THE INTERPLAY OF ZOOARCHAEOLOGICAL AND LITHIC DATA FOR UNRAVELING NEANDERTHAL BEHAVIOR

Room: West Meeting Room 210 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Karen Ruebens, Geoff M. Smith and Teresa Steele

Participants:

- 8:00 Karen Ruebens—Discussant
- 8:15 Erella Hovers and Anna Belfer-Cohen—Are Lithics and Fauna a Match Made in Prehistoric Heaven?

- 8:30 Charles P. Egeland, Christopher Nicholson, Kevin Covell, Robert Sanderford and Kristen Welch—Cutmark Orientation and the Identification of Skill in Experimental and Middle Paleolithic Contexts
- 8:45 Geoff M. Smith, Elisabeth Noack, Nina Maria Schlösser, Sabine Gaudzinski-Windheuser and Radu Iovita—When Lithics Hit Bones: Evaluating the Potential of a Multifaceted Experimental Protocol to Illuminate Middle Paleolithic Weapon Technology
- 9:00 Cristina Real Margalef, Aleix Eixea, Alfred Sanchis, João Zilhão and Valentín Villaverde—Unraveling a Neanderthal Palimpsest from a Zooarchaeological and Lithic Perspective: Abrigo de la Quebrada Level IV (Valencia, Spain)
- 9:15 Britt Starkovich, Paraskevi Elefanti and Eleni Panagopoulou—Spatial Differences in Site Use at the Middle Paleolithic Site of Lakonis (Peloponnese, Greece)
- 9:30 Questions and Answers
- 9:45 Teresa Steele, Naomi L. Martisius, Tamara Dogandžic, Michel Lenoir and Shannon P. McPherron—Integrating Faunal and Lithic Data to Examine Neanderthal Subsistence at the Late Mousterian Site of Abri Peyrony, France
- 10:00 Marco Peresani, Davide Delpiano, Kristen Heasley, Nicola Nannini and Matteo Romandini—Toolkits, Subsistence, and Land-Use Patterns: The Neanderthal Ecology Revisited across a Dense Cultural Sequence in the Alpine Chain
- 10:15 Susan Lagle—Integrating Faunal and Lithic Evidence from Quina Mousterian Contexts in Southwestern France to Investigate Neanderthal Subsistence Strategies and Mobility
- 10:30 William Rendu, Morgan Roussel, Sylvain Renou, Marie Cecile Soulier and Marie Soressi—Les Cottés Sequence: A New Lens for Investigating the Cultural Changes Occurring during the Middle to the Upper Paleolithic Transition
- 10:45 Geoff M. Smith—Discussant
- 11:00 Teresa Steele—Discussant

[170] SYMPOSIUM ■ AD 600 CULTURAL AND ENVIRONMENTAL TRANSFORMATION IN ANCIENT PERU

Room: East Meeting Room 12 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Ana Mauricio and Francesca Fernandini

Participants:

- 8:00 Daniel H. Sandweiss—Discussant
- 8:15 Luis Castillo Butters—Discussant
- 8:30 Santiago Uceda, Henry Gayoso, Feren Castillo, Enrique Zavaleta and Carlos Rengifo—Los Cambios Climáticos y Sociales una Ecuación Positiva: Los Datos en el Complejo Arqueológico de Huacas del Sol y de la Luna
- 8:45 Shinya Watanabe—Sociocultural Changes in Cajamarca Region during the Early Intermediate Period and the Middle Horizon
- 9:00 Ana Mauricio—Reevaluating the End of the Early Intermediate Period on the Peruvian Coast from the Perspective of the Lima Culture
- 9:15 Francesca Fernandini—Cerro de Oro and the Year AD 600: Changing Settlement Patterns in the Lower Cañete Valley
- 9:30 Stefanie Bautista, Justin Jennings and Willy Yépez Álvarez—Untangling Wari Colonization, Trade, and Administration in Coastal Arequipa from the Site of Quilcapampa, Sigwas Valley
- 9:45 Sarah Kerchusky—INAA of Loro Ceramics from Zorropata, a Middle Horizon Las Trancas Habitation Site in Nasca, Peru
- 10:00 David Reid, Patrick Ryan Williams and Donna Nash—The Role of Infrastructure in Wari State-Making in Southern Peru

- 10:15 Roberto Pimentel Nita, Krzysztof Makowski and Milosz Giersz—Middle Horizon “Local” and “Exotic” Styles in Castillo de Huarmey and Pachacamac: Menzel’s Ideas Revised
- 10:30 Rafael Segura Llanos—Dinámicas Medioambientales, Infraestructura de Almacenamiento y Paisaje Agrario en Cajamarquilla (Siglos VII–IX dC)
- 10:45 Giancarlo Marcone—The Rise and Fall of the Bi-Headed Serpent: How Much of Late Lima Cultural Development Could Be Explained by An ENSO?
- 11:00 Paul Goldstein—Discussant

[171] SYMPOSIUM ■ AN HISTORICAL ECOLOGICAL APPROACH TO THE INVESTIGATION OF EARLY SOCIAL COMPLEXITY IN THE HORN OF AFRICA: FIRST STEPS

(Sponsored by Eastern Tigray Archaeological Project)

Room: West Meeting Room 207 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Elizabeth Peterson and A. Catherine D’Andrea

Participants:

- 8:00 A. Catherine D’Andrea and Valery Terwilliger—Historical Ecology: An Approach to the Investigation of Ancient Human-Environmental Interactions in the Horn of Africa
- 8:15 Valery Terwilliger, Marilyn Fogel, Paul Adderley, Zewdu Eshetu and A. Catherine D’Andrea—Learning from Scratch What the Environments Were Like as the Complexities of Societies Changed in Eastern Tigray
- 8:30 Paul Adderley, Mitchell Power and Valery Terwilliger—Geoarchaeological Assessment of Long-Term Site- and Field-Management Characteristics at the Pre-Aksumite Site of Mezber, Tigray Plateau
- 8:45 Zewdu Eshetu, Tsige Gebru Kassa, Valery Terwilliger, Mitchell Power and A. Catherine D’Andrea—Burning Forests of the Past in Eastern Tigray
- 9:00 Zoe Walder-Hoge—An Ethnoarchaeological Approach to Traditional Farmer Knowledge and Fire Ecology in Eastern Tigray, Northern Ethiopia
- 9:15 Lynn Welton—The Pre-Aksumite Period in Eastern Tigray: The Chronology and Stratigraphy of the Site of Mezber
- 9:30 Helina Woldekiros—Early Farming Communities in East Africa and the Horn: New Zooarchaeological Evidence from Mezber, Northern Ethiopia
- 9:45 Alemseged Beldados and A. Catherine D’Andrea—Agricultural History of the Horn of Africa: New Archaeobotanical Evidence from Mezber
- 10:00 Steven Brandt, Lucas Martindale Johnson and Abebe Taffere—Temporal and Spatial Variability in Pre-Aksumite Lithics from Mezber, Northeast Ethiopia: Social and Economic Implications
- 10:15 Elizabeth Peterson—Development of Craft Specialization during the Pre-Aksumite Period in Eastern Tigray, Ethiopia: Insights from Modern Hide-Workers
- 10:30 Laurie Nixon-Darcus—The Daily Grind: Trends in Grinding Stone Use in Eastern Tigray from 1600 BCE to Modern Times
- 10:45 Habtamu Mekonnen—The Pre-Aksumite to Aksumite Transition in Eastern Tigray: Ceramic Evidence from Ona Adi
- 11:00 Michael Harrower and Joseph C. Mazzariello—Towns and Villages of an African Empire: Eastern Tigray Archaeological Project (ETAP) Archaeological Survey 2005–2008

[172] SYMPOSIUM ■ ARCHAEOLOGIES OF HEART: EXPLORING THE ROLE OF EMOTION AND SPIRIT IN ARCHAEOLOGICAL RESEARCH AND PRACTICE

Room: East Meeting Room 15 (VCC)

Time: 8:00 AM–11:45 AM

Chairs: Natasha Lyons, Sonya Atalay and Kisha Supernant

Participants:

- 8:00 Kisha Supernant and Natasha Lyons—What Makes Us Beat? Toward a Heart-Centered Practice in Archaeological Research
- 8:15 E. Anderson and Chelsey Geralda Armstrong—Archaeologies of the Heart
- 8:30 Margaret Conkey—Field Walking and Walking the Field
- 8:45 Fanya Becks—Archaeology as Meditative Practice
- 9:00 Questions and Answers
- 9:15 Stephen Silliman—Taking Archaeology to Heart: Reflections on Passions and Politics
- 9:30 Jane Baxter—Emotional Practice and Perspectives on Emotion in the Archaeology of Childhood
- 9:45 Tanja Hoffmann—“We ask only that you come to us with an open heart and an open mind”: The Transformative Power of an Archaeology of Heart
- 10:00 Sarah Surface-Evans—“I Could Feel Your Heart”: The Transformative and Collaborative Power of Heartfelt Thinking in Archaeology
- 10:15 Callum Abbott—Lithics and Learning: Toward a Heart-Centered Lithic Analysis
- 10:30 Lisa Hodgetts and Laura Kelvin—At the Heart of the Ikaahuk Archaeology Project
- 10:45 Leslie Van Gelder—Who Holds Your Light? Revealing Relationships through a Forensic Approach to Upper Paleolithic Cave Art
- 11:00 John Welch—Open Eyes, Open Minds, Open Arms, and Open Hearts Open Archaeology
- 11:15 Ruth Tringham—Closely Observed Layers: Small Stories and the Heart
- 11:30 Sonya Atalay—Discussant

[173] SYMPOSIUM ■ THE SCIENCE OF ORGANIC RESIDUE ANALYSIS AND THE ART OF CULTURAL INTERPRETATION I

(Sponsored by Society for Archaeological Science and PaleoResearch Institute)

Room: East Meeting Room 1 (VCC)

Time: 8:00 AM–11:30 AM

Chair: Ann Laffey

Participants:

- 8:00 Ramiro Javier March—Finding, Analyzing, and Interpreting Organic Matter in Archaeology: A Complex Subject
- 8:15 Joseph Schuldenrein—Organic Residues in Archaeological Context: A Historic Overview
- 8:30 Maxime Rageot, Angela Mötsch, Birgit Schorer, Cynthia Debono Spiteri and Philipp Stockhammer—New Insights into Early Celtic Cooking and Drinking Practices: Organic Residue Analyses of Local and Imported Pottery
- 8:45 Zuzana Chovanec—The Scientific Investigation and Cultural Implications for the Use of Prestigious Substances in the Ancient Mediterranean
- 9:00 Ann Laffey—Big Plans for Small Pots: Development of an Organic Residue Analysis Protocol for Ancient Wari Miniature Wares
- 9:15 Jessica Devio—Interpreting Maya Economic Activity Using Paleoethnobotany
- 9:30 Laura Short—Further Studies in Raman Spectroscopy of Fire-Cracked Rock
- 9:45 Stephen Carmody, Ryan Hunt, Jera Davis, Natalie Prodanovich and Jon Russ—Inhaling Prehistory: Exploring the Smoking Culture of the Eastern Woodlands

- 10:00 Adam King, Terry Powis, Kong Cheong and Nilesh Gaikwad—Absorbed Residue Evidence of Datura Use in Mississippian Contexts
- 10:15 Eleanora Reber, Mark Rees and Samuel Huey—Cautious versus Interesting: Cultural Interpretation of Absorbed Organic Pottery Residues
- 10:30 Tammy Buonasera, Shelby Anderson, Shannon Tushingam and Andrew H. Tremayne—Animal Fats and Ancient Pyro Technologies in the North American Arctic: Contextualized Analysis of Lipids in Archaeological Sediments, Combustion Features, and Ceramics
- 10:45 Michelle Langley, Sue O'Connor and Jane Balme—Organic Artifacts and Organic Residues in Island Southeast Asia and Australia: Seeking Intangible Behaviors in the Deep Past
- 11:00 Michelle Eusebio—Discussant
- 11:15 Questions and Answers

[174] SYMPOSIUM ■ THE USE OF PLANTS IN ANCIENT RITUALS: NEW PERSPECTIVES FROM PALEOETHNOBOTANY

Room: East Meeting Room 11 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Michelle Elliott and Lydie Dussol

Participants:

- 8:00 Amber VanDerwarker—Analytical Approaches for Identifying Ritual Contexts
- 8:15 Linda Scott Cummings, R. A. Varney and Peter Kovacik—Ritual Smoking: Evidence from Archaeological Smoking Pipes
- 8:30 Natalie Mueller—The Role of Ritual in Early Food Producing Economies: Seed Keepers and Seed Exchange in Ethnography and in the Archaeological Record of Eastern North America
- 8:45 Aurora Montúfar López—Rain Petition Rituals and Offerings in Mesoamerica: Archaeological and Ethnographic Research
- 9:00 Laura Ortíz, Julia Perez, Ximena Chávez and Emilio Ibarra—The Meaning of Plants around Death: The Case of Offering 149
- 9:15 Michelle Elliott, Grégory Pereira and Mélaïne Stevanato—Flames, Ash, and Charcoal: Paleoethnobotanical Approaches to Understanding the Role of Fire in Postclassic Tarascan Ritual Practices
- 9:30 Clarissa Cagnato, Olivia Navarro-Farr, Griselda Pérez Robles, Juan Carlos Pérez Calderón and Damaris Menéndez—Feeding the Mountain: Plant Remains from Ritual Contexts on and around Structure M13-1 at El Perú-Waka'
- 9:45 Lydie Dussol—Ritual Fires and Ancient Maya Termination Deposits at Naachtun (Guatemala): An Archaeobotanical Perspective
- 10:00 Hemmamuthé Goudiaby and Lydie Dussol—Ashes to Ashes, Dust to Dust: The Role of Wood in Ancient Maya Funerary Sequences
- 10:15 Katherine Chiou and Luis Jaime Castillo—Performing the Moche Feast: Plants, Ritual Practice, and Spectacle in the North Coast of Peru
- 10:30 Giacomo Gaggio and Paul Goldstein—Ceremonial and Psychotropic Plants of the Tiwanaku (AD 500–1000): New Evidence for *Erythroxylum coca* and *Anadenanthera colubrina* from the Omo Temple in Moquegua, Peru
- 10:45 Sonia Archila Montanez, Mónica Berón, Gabriela Musaubach, Martha Mejía and Eliana Lucero—Ancient Woods Used in a Ritual Context at Chenque I Cemetery (Pampean Region, Argentina)
- 11:00 Mark Robinson—Integrating Archaeobotany to Provide Insight into Domestic and Public Ritual in Southern Brazil
- 11:15 Rita Scheel-Ybert—Fire and Feasting: The Role of Plants in Brazilian Shell Mounds Funerary Rituals

- 11:30 Christopher Morehart—Discussant
11:45 Emily McClung de Tapia—Discussant

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

(Sponsored by Rock Art Interest Group)

Room: East Exhibit Hall A (VCC)

Time: 8:00 AM–12:00 PM

Chair: Lenville Stelle

Participants:

- 8:00 Michele Hayward, Frank Schieppati and Michael Cinquino—Lesser Antillean Windward Island Rock Art and Prehistoric Cultural Systems
Patrick Wilkinson—The Rock Art of Haitian Vodou
- 8:15 Mary Brown—Rock Art as Ritual Communicator: A Theoretical Evaluation
- 8:30 James Keyser—Cheval Bonnet: A Crow Calling Card in Blackfeet Country
- 8:45 James Keyser—Cheval Bonnet: A Crow Calling Card in Blackfeet Country
- 9:00 Lawrence Loendorf—Tobacco-Related Imagery in Montana and Wyoming
- 9:15 Thomas Huffman and Frank Earley—Apishapa Rock Art and Soul Capture
- 9:30 Alex Ruuska—Memory and Materiality in Rock Art and Ghost Dance Performances
- 9:45 Julio Amador—Landscape, Settlement Patterns, and Rain and Fertility Symbolism in Rock Art: A Comparative Analysis between Chalcatzingo and Cerros de Trincheras in Mexico
- 10:00 Johannes Loubser—Recording and Interpreting Mississippian Rock Imagery at Painted Bluff, Alabama
- 10:15 Sandra Olsen—Advanced Imaging of Saudi Arabian Petroglyphs: How Science Informs Art
- 10:30 Mark Wagner and Kayeleigh Sharp—Portable X-ray Fluorescence (pXRF) and Photogrammetric Studies in Illinois Rock Art Research
- 10:45 Genevieve von Petzinger—The Shaman in the Cave? Testing for Entoptic Imagery in Upper Paleolithic Geometric Rock Art
- 11:00 Amy Chase, Genevieve von Petzinger and Oscar Moro Abadia—Neanderthal Artists? Exploring Misconceptions about Neanderthal Symbolic Capacities through Rock Art Studies
- 11:15 Meg Berry—It's All a Bit Retro: Investigating Early Phase Rock Art on the Dampier Archipelago, Northwest Australia
- 11:30 Chris Arnett—Method and Theory in the Archaeology of Interior Salish Rock Art Sites on the British Columbia Plateau
- 11:45 François Gagnon and Dagmara Zawadzka—Places, Paths and Territories: Exploring the Multifunctional Nature of Northeastern Ontario Rock Art

[176] SYMPOSIUM ■ TSIMSHIAN ARCHAEOLOGY: 50 YEARS OF RESEARCH AND 10,000 YEARS OF HISTORY

Room: West Meeting Room 205 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Andrew Martindale, Bryn Letham and Ripan Malhi

Participants:

- 8:00 Charles Menzies—Reimagining the Colonial Encounter through Gitxaala Eyes
- 8:15 George MacDonald—The North Coast Prehistory Project of the National Museum of Canada
- 8:30 Katherine Patton and Trevor Orchard—The Use and Cultural Importance of Eulachon (*Thaleichthys pacificus*) on the NWC: An Example from Prince Rupert Harbour

- 8:45 Gary Coupland—A History of Household Archaeology at Prince Rupert Harbour
- 9:00 Morley Eldridge—Tsimshian Households and Trade: The View from Casey Point
- 9:15 Amanda Marshall and Stephanie Huddleston—The Kleanza Approach: The Challenges of Working in Tsimshian Territory from a Cultural Resource Management (CRM) Perspective
- 9:30 Brenda Guernsey and Chelsey Geralda Armstrong—"We lived there for the food": Archaeologies of Dalk Gylakyaw, Home of the Gits'm'geelm (Kitsumkalum) Tsimshian
- 9:45 Nyra Chalmer, Spencer Greening, Chris Picard, Genevra Toniello and Dana Lepofsky—The Gitga'at—Simon Fraser University (GSAHP) Archaeology and Heritage Project: Developing Community-Based Heritage Management Strategies in Gitga'ata Territory
- 10:00 Susan Marsden and Andrew Martindale—The Challenges and Benefits of Comparing Archaeological and Oral Records
- 10:15 Kenneth M. Ames and Andrew Martindale—An Archaeological Test of a Settlement Pattern Shift Recorded in Tsimshian Oral Records
- 10:30 Thomas Brown, Kevan Edinborough, Andrew Martindale and Kenneth M. Ames—A Radiocarbon Test for Significant Demographic Events in Written and Oral History
- 10:45 Bryn Letham, Andrew Martindale, Kisha Supernant and Kenneth M. Ames—A Tale of Two Villages: Exploring the Role of Villages with Massive Shell Accumulations as Anthropogenic Coastline Modifications in Prince Rupert Harbour
- 11:00 David Archer and Christine Mueller—Archaeological Investigations on the Lucy Islands, Near Prince Rupert, British Columbia, from 2010 to 2013: New Evidence Relating to the Development of North Coast Culture
- 11:15 Ripan Malhi, Jerome Cybulski, John Lindo, Michael DeGiorgio and Joycelynn Mitchell—Eight Years of Partnership with Coast Tsimshian First Nations on Genomic Research
- 11:30 Alyssa Bader, Julie M. Allen and Ripan Malhi—Metagenomic Analysis of Precontact Diet Using Ancient Dental Calculus from Prince Rupert Harbour, British Columbia
- 11:45 Barbara Petzelt—The Metlakatla First Nation and Archaeology: An Indigenous Community's Views in the Course of 50 Years of Archaeological and Related Research in the Prince Rupert Harbour Region

[177] SYMPOSIUM ■ SEEDS OF THE PAST, SEEDS OF THE FUTURE: PAPERS IN HONOR OF STEVEN A. WEBER

Room: East Ballroom B (VCC)

Time: 8:00 AM–12:00 PM

Chair: Jade d'Alpoim Guedes

Participants:

- 8:00 Steven Emslie—Steven A. Weber and the Birth of the Society of Ethnobiology
- 8:15 Christine A. Hastorf—Presentation of the Past; Interaction and Storytelling; How We Grow through Dialogue
- 8:30 Rita Wright—From Rojdi to Harappa and Beyond: Regional Variation in the Indus Civilization
- 8:45 Nathaniel James—Revisiting Harappa. A Reevaluation of Macrobotanical Evidence
- 9:00 Jonathan Kenoyer—Plant-Based Textiles and Basketry at Harappa, Pakistan (3700–1900 BCE)
- 9:15 Marco Madella—The Archaeobotany of Plant Microfossils in South Asia: History and Perspectives
- 9:30 Richard Meadow—Archaeofauna and Archaeobotany Studies in Northwestern South Asia: Past, Present, and Future

- 9:45 Sydney Hanson and Jade d'Alpoim Guedes—Millets and Rice on the Move: Adaptive Strategies in the Past and Future
- 10:00 Cristina Castillo—Cereals in Southeast Asian Prehistory
- 10:15 Dorian Q. Fuller and Chris Stevens—Low-Intensity Cultivation and Domestication: Pathways to Millet Domestication in India and China
- 10:30 Fabian Toro, Chantel White and Joyce White—Developing a Legacy Collection of Traditional Rice Cultivation: Implications for Archaeobotanical Study
- 10:45 Molly Carney—Gene-Culture Coevolution, Pit Hearth Cooking, and the Diabetes Epidemic among North American Indigenous Populations
- 11:00 Mario Zimmermann—Maya Peasantry: Crop Diversity Past and Present
- 11:15 Cedric Habiyaremye, Jade d'Alpoim Guedes and Kevin Murphy—Ancient Crops, Modern Possibilities: A Study on the Potential for Millet Agriculture in the United States
- 11:30 Leo Aoi Hosoya—Discussant
- 11:45 Questions and Answers

[178] SYMPOSIUM ■ UNRAVELING SOCIAL DYNAMICS THROUGH ARCHAEOLOGICAL SCIENCE

Room: West Meeting Room 206 (VCC)

Time: 8:00 AM–12:00 PM

Chair: Christian Gates St-Pierre

Participants:

- 8:00 Brad Loewen, Christian Bélanger, Marie-Claude Brien, Charles Dagneau and Alex Lefrançois-Leduc—A Social Perspective on Wood Remains: Rural Colonization and Urban Growth in the Saint Lawrence Valley, 1600–1900 AD
- 8:15 María José Culquichicón-Venegas and Aleksa Alaica—Social Dynamics of the Past through the Body of the Camelid: Utilizing Evidence from Late Moche Peru
- 8:30 Réginald Auger, Adelphine Bonneau, Zocha Houle-Wierzbicki and Geneviève Treyvaud—Determination of Burial Locations Using Soil Analyses at the Loyola Plantation in French Guiana, 1668–1763
- 8:45 Sandra Lopez Varela—Technologies and the State: Analyzing the Impact of Economic Growth through Archaeological Science
- 9:00 Gregory Braun—Ceramic Technologies and Technologies of Remembrance: An Iroquoian Case Study
- 9:15 Christian Gates St-Pierre—Needles and Bodies: A Microwear Analysis of Experimental Bone Tattooing Implements
- 9:30 Andrea Dolfini—Science and Archaeology: An Object-Centred Perspective
- 9:45 Richard Yerkes, Attila Gyucha and William Parkinson—Social Dynamics and Archaeological Sciences at Neolithic Tells: Investigations on the Great Hungarian Plain by the Körös Regional Archaeological Project
- 10:00 Robert H. Tykot, Kyle Freund and Andrea Vianello—The Social Dynamics of Obsidian Use in the Prehistoric Western Mediterranean: Temporal Changes in Maritime Capabilities, Lithic Technology, and Sociopolitical Complexity
- 10:15 Heather Miller—Invisible Value: Steatite in the Faience Complexes of the Indus Valley Tradition
- 10:30 Amelie Guindon—Bonding Pots: Ceramics from the Midi Toulousain (Southwest France) and Their Transatlantic Journeys to New France (Seventeenth–Eighteenth Centuries)
- 10:45 Adelphine Bonneau, Réginald Auger, Bernard Gratuze and Jean-François Moreau—Trading around the Saguenay River (Sixteenth and Seventeenth Centuries): New Insights from Trade Glass Beads Typology and Chemical Analysis

- 11:00 Robert Hasenstab—The Use of Geographic Information Systems in the Analysis of Prehistoric Social Dynamics
- 11:15 Mark Goliitko—How Social Are Archaeological Social Network Analyses?
- 11:30 Maxime Aubert—The Origin of Human Creativity
- 11:45 Rosemary Joyce—Discussant

[179] SYMPOSIUM ■ QUINTESSENTIAL PLACES: ANALYZING THE CHARACTER OF PRECOLUMBIAN SITES

Room: West Meeting Room 204 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Jillian Mollenhauer and Cynthia Kristan-Graham

Participants:

- 8:00 Cynthia Kristan-Graham—Discussant
- 8:15 Edward Swenson—Quintessentializing the Power of Place in the Ancient Andes
- 8:30 Natalia Donner, Alejandro Arteaga Saucedo, Kaz van Dijk and Alexander Geurds—What Do We Talk about When We Talk about Precolonial Sites in Chontales, Central Nicaragua?
- 8:45 Timothy Pugh—The Streets of Nixtun-Ch'ich', Guatemala
- 9:00 David Freidel and Olivia Navarro-Farr—Quintessential Queen of Kaanul: K'abel of Waka' in the Age of Empire
- 9:15 Beniamino Volta and Nikolai Grube—Classic Maya Politics and the Spirit of Place: Controlling Architectural Discourse at Uxul, Campeche, Mexico
- 9:30 Eric Heller and Anastasia Kotsoglou—Desperate Times, Distinctive Places: Human Landscape Interaction at Tzak Naab, Belize
- 9:45 Yuko Shiratori and Timothy Pugh—Exemplary Centers as Quintessential Places: Migrants and Architectural Quotations in Late Postclassic Petén, Guatemala
- 10:00 Leslie Perkins and Travis Stanton—Tan Tun: The Enduring Role of Cozumel in the Maya World
- 10:15 Jillian Mollenhauer—Identifying the Quintessence of Olmec Centers in Formative Olman
- 10:30 Matthew Robb—The Daily Experience of Space in Teotihuacán
- 10:45 Andrew D. Turner and Rex Koontz—The Late Classic Ballgame and Cross-Cultural Interaction at Xochicalco, El Tajín, and Copán
- 11:00 John Lopez—Tenochtitlan: A Cultural History of Water
- 11:15 Christopher Beekman and Verence Y. Heredia Espinoza—In the Land of the Blind, the One-Eyed Man Is King: Los Guachimontones, Jalisco
- 11:30 Jessica Christie—Navajo Landscape Construction at Canyon de Chelly: A Quintessential Place
- 11:45 Susan Milbrath—Discussant

[180] SYMPOSIUM ■ SAILING AT THE EDGE OF TIME: GLOBAL PERSPECTIVES ON ISLAND COLONIZATION

(Sponsored by Journal of Island and Coastal Archaeology)

Room: West Meeting Room 202 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Matthew Napolitano, Robert J. DiNapoli and Jessica Stone

Participants:

- 8:00 Cyprian Broodbank—Is Mediterranean Island Colonization Still Interesting?
- 8:15 Neil Duncan, Peter E. Siegel, John G. Jones, Nicholas Dunning and Deborah M. Pearsall—Causes and Consequences of Colonization in the Caribbean: What Is Known and What Is Unknowable
- 8:30 Ethan Cochrane—Selection-Driven Range Expansion Explains Lapita Colonization of Remote Oceania

- 8:45 Alexander Smith and Thomas Leppard—The Paleoenvironmental Impacts of Neolithic Colonization: Assessing Recent Palynological Data from the Mediterranean Islands
- 9:00 Richard Callaghan—The Strategic Location of the Maldives in Indian Ocean Maritime Trade and Colonization
- 9:15 Matthew Napolitano, Scott M. Fitzpatrick, Geoffrey Clark and Jessica Stone—Colonization of the Land of Stone Money: Resolving the Unclear Origins of Early Settlements of Yap, Western Caroline Islands
- 9:30 Amy Gusick, Jillian Maloney, Todd Braje and Jon Erlandson—Above and Below the Waves: Advances in the Search for a Late Pleistocene Colonization of California's Islands
- 9:45 Robert J. DiNapoli, Matthew Napolitano, Jessica Stone, Brian Lane and Damion Sailors—Reevaluating the Precolumbian Colonization of the Caribbean Using Chronometric Hygiene and Bayesian Modeling
- 10:00 Alex Morrison and Melinda Allen—Examining the Causes of Migration into East Polynesia: A Bayesian Chronology Perspective on the Ideal-Free Distribution Model
- 10:15 David Burley—Small Island Adaptations in the Initial Colonization of Fiji and Tonga
- 10:30 Timothy Rieth and Derek Hamilton—Quantifying the Number of 14C Determinations Required to Improve Dating Accuracy for Lapita Deposits
- 10:45 Curtis Runnels—Pleistocene Occupation of the Greek Islands: The Perspective from Crete
- 11:00 Hiroto Takamiya—The Colonization of the Southern Ryukyu Islands, Japan
- 11:15 Sue O'Connor, Julien Louys, Stuart Hawkins, Shimona Kealy and Clara Boulanger—Gone Fishing: Evidence for Wide-Ranging Marine Exploitation in the Initial Settlement of Island Southeast Asia
- 11:30 Rintaro Ono, Harry Oktavianus Sofian, Adhi Agus Oktavianana, Sri Wigati and Nasullah Aziz—Development of Maritime Networks and Human Migration in Wallacea and Oceania during Neolithic to Early Metal Ages
- 11:45 Jon Erlandson—Discussant

[181] GENERAL SESSION ■ RECENT ZOOARCHAEOLOGICAL RESEARCH I

Room: East Meeting Room 3 (VCC)

Time: 8:00 AM–11:45 AM

Chair: Erik R. Otárola-Castillo

Participants:

- 8:00 Andrew Owens, David Byers and Molly Boeka-Cannon—Aging Mandibular Bison Teeth with ArcGIS
- 8:15 Gligor Dakovic, Bonnie A. B. Blackwell, Dušan Mihailovic, Mirjana Rokсандic and Anne R. Skinner—ESR Dating Ungulate Tooth Enamel from the Mousterian Layers at Pešturina, Serbia
- 8:30 Giada Ferrari, Mathieu F. Robin, Claudia Vigano, Michael G. Campana and Christine Gossen—Reconstruction of Genetic Diversity prior to Recolonization of Nearly Extinct Alpine Ibex (*Capra ibex*) Using Ancient DNA
- 8:45 Karen Greig, Elizabeth Matisoo-Smith and Richard Walter—Tracking Dogs across the Pacific Using Ancient Mitogenomes
- 9:00 Amira F. Ainin, René L. Vellanoweth, Nicholas P. Jew, Antonio Porcayo Michelini and Andrea Guía-Ramírez—Investigating Prehistoric Fisheries: Growth-Band and Stable Isotope Analyses on Otoliths of a Critically Endangered Species (*Totoaba macdonaldi*) in the Upper Gulf of California, Mexico
- 9:15 Erin Keenan Early—Applying ZooMS to Gault Site Faunal Material: Identifying the Unidentifiable and the Case for Database Expansion

- 9:30 Brandon McIntosh—What Doña Ana Phase and Modern Jackrabbits (*Lepus californicus*) Can Tell Us about Climate Change in the Southeastern Southwest
- 9:45 Kelsey Witt, Julie M. Allen, Steven R. Kuehn, Mary L. Simon and Ripan Malhi—Dietary DNA Analysis of Mississippian Dog Coprolites
- 10:00 Erik R. Otárola-Castillo, Jesse Wolfhagen and Max Price—ZooArch: General Audience Release of an R Graphical User Interface for Zooarchaeologists
- 10:15 Joshua Nowakowski, Chrissina C. Burke and Caitlin M. H. Bishop—Zooarchaeological Analysis of Dog Pathology in the American Southwest: A Case for Interpreting Dogs as Companions as Opposed to Beasts of Burden
- 10:30 Rachel Burger—Rain, Birds, and Whistle Tunes: Tewa Pueblo Rainmaking and the Ecological Importance of Bone Aerophones at Sapa'owingeh, New Mexico
- 10:45 Spencer Lambert, Robert Bischoff and Joseph Bryce—Feathered Fauna: A Look at Bird Usage among the Fremont
- 11:00 Rande Fladeboe—Plucked Macaws: Evidence of Regular Feather Harvesting at Chaco Canyon
- 11:15 Meredith Wismer—Ungulate Bone Fat Exploitation at the Adoption of Horticulture in Western Iowa
- 11:30 Paige Hawthorne and Colin Grier—Put a Bird on It! A Multi-analytical Approach to Avian Analysis In Southwestern British Columbia

[182] SYMPOSIUM ■ MAYA HIGHLAND AND PACIFIC COAST ARCHAEOLOGY: NEW DATA, DEBATES, AND DIRECTIONS PART 1

Room: East Ballroom A (VCC)

Time: 9:00 AM–11:45 AM

Chair: Eugenia Robinson

Participants:

- 9:00 Stephanie Strauss—Thirty Years after La Mojarrá: Epi-Olmec Writing Revisited
- 9:15 Robert Rosenswig—Formative Period Izapa Kingdom and Its Neighbors
- 9:30 Rebecca Mendelsohn—Izapa and Highland El Salvador: Terminal Formative and Classic Period Ties
- 9:45 Christa Schieber de Lavarreda and Miguel Orrego—Where Is Tak'alik Ab'aj within the Fabric of Preclassic Interrelations?
- 10:00 Arthur Demarest, Carlos Alvarado and Tomás Barrientos—Investigations at San Andrés Semetabaj and the Problematics of Middle to Late Preclassic Highland Archaeology
- 10:15 Barbara Arroyo—New Perspectives on the Maya Highland Site of Kaminaljuyu, Guatemala
- 10:30 Lucia Henderson—Changing Faces: Evolutions in Art at Kaminaljuyu, Guatemala
- 10:45 Marx Navarro-Castillo and Hector Neff—PIN7, a Diachronic Study of a Specialized Production in Eastern Soconusco
- 11:00 Hector Neff, Sachiko Sakai, Brendan Culleton and Douglas J. Kennett—Late Formative through Early Classic Occupation History in Eastern Soconusco
- 11:15 Dorie Reents-Budet, Annabeth Headrick and Ronald L. Bishop—Entangled Ideologies on the Pacific Coast: The Teotihuacán-Style Maya Censers from the Department of Escuintla, Guatemala
- 11:30 Geoffrey Braswell—Discussant

[183] SYMPOSIUM ■ EL HOMBRE, SU ESPACIO, TIEMPO, INTERACCIONES Y ASPECTOS BIOARQUEOLÓGICOS

Room: East Meeting Room 10 (VCC)

Time: 10:00 AM–12:00 PM

Chair: Rosa Maria Flores Ramirez

Participants:

- 10:00 Patricia Hernandez Espinoza and Estela Martínez Mora—Los Atributos de la Identidad el Caso de Tamtoc, San Luis Potosí, México
- 10:15 Juan Alberto Román Berrelleza—La Práctica del Desollamiento Humano entre los Mexicanos
- 10:30 Israel Lara Barajas and Fiorella Fenoglio—Aspectos Bioarqueológicos de los Grupos Prehispánicos del Semidesierto Queretano durante el Epiclásico
- 10:45 Fiorella Fenoglio and Israel Lara Barajas—Evidencias Bioarqueológicas de los Grupos Sedentarios en el Semidesierto de Querétaro
- 11:00 Andrés Saul Alcántara Salinas—El Caso de la Parcela 28 del Ejido de Comala, Colima: La Problemática del Saqueo Arqueológico y Recuperación de una Tumba de Tiro
- 11:15 Allan Ortega, Rosa Maria Flores Ramirez and Andrés Saúl Alcántara Salinas—Life Conditions in Human Skeletal Samples from Colima and Quintana Roo, Mexico: A Comparative Analysis across Time
- 11:30 Rosa Maria Flores Ramirez and Carlos Salgado Ceballos—Análisis Bioarqueológico de los Restos Óseos Recuperados en “El Tropol,” Colima
- 11:45 Luis Pantoja and Maria Jose Gómez—La Muerte entre los Mayas: Variabilidad de las Prácticas Funerarias en los Sitios Arqueológicos de la Región de Ichkaantijoo

[184] GENERAL SESSION ■ RECENT PALEOINDIAN STUDIES II

Room: West Meeting Room 203 (VCC)

Time: 10:15 AM–12:00 PM

Chair: Edward Knell

Participants:

- 10:15 A. Dudley Gardner and William Gardner—A Comparison of Lithic Types from a Multi-stratified Site in West Central Colorado (13,000–3000 BP)
- 10:30 Brian Snyder—An Examination of Variation in Hafting Configuration among Early Paleoindian Projectile Points
- 10:45 Angela Gore—Eastern Beringian Toolstone Procurement: Investigations of Fine-Grained Volcanics in the Nenana Valley, Interior Alaska
- 11:00 Jesse Tune, Heather L. Smith and Stephen Yerka—Younger Dryas Fluted Technologies: A Comparison of Folsom, Cumberland, and Barnes Technologies
- 11:15 Edward Knell—Terminal Pleistocene–Early Holocene Occupation Span and Technological Provisioning Strategies at Pluvial Lake Mojave, California
- 11:30 Emma Holm—Mount Rainier’s Oldest Artifact: Temporally and Geographically Contextualizing Early Microblade Technology
- 11:45 Andrew Frierson—Lithic Technology and Other Archaeological Investigations of Rock Creek Shelter (35LK22)

[185] SYMPOSIUM ■ BLOOD IN THE WATERS: VIOLENCE IN THE MISSISSIPPIAN AND LATE PREHISTORIC EASTERN WOODLANDS**Room:** East Meeting Room 8 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** Amber Osterholt**Participants:**

- 10:30 Amber Osterholt—Life and Death among the Late Fort Ancient: Injury Recidivism and Perimortem Trauma at Hardin Village, Kentucky
- 10:45 Jennifer Bengtson, Jodie O’Gorman and Amy Michael—Life during Wartime: Children, Violence, and Security at Morton Village
- 11:00 Eric Hollinger—Symbols of Ferociousness: Oneota Trophy Taking
- 11:15 Mallorie Hatch—Warfare in the Mississippian World: Comparing Variation in War across Small and Multi-mound Centers
- 11:30 David Dye, Keith Jacobi and William DeVore—The Wheel of Conflict: Physical and Spiritual Permanence of Mississippian Violence
- 11:45 Maria Smith—A Multi-site Analysis of Intergroup Violence in East Tennessee of 1300–1600 CE: Temporal and Regional Patterns

[186] SYMPOSIUM ■ TEACHING THROUGH THE PAST: ADVANCES IN TECHNOLOGICAL ANALYSIS OF THE ARCHAEOLOGICAL RECORD**Room:** East Meeting Room 17 (VCC)**Time:** 10:30 AM–12:00 PM**Chairs:** Heather Rockwell and Kevin Malloy**Participants:**

- 10:30 Todd Surovell, Randy Haas and Matthew O’Brien—High-Precision Mapping of Human Behavior in Ethnographic Contexts, a New Tool for Ethnoarchaeology
- 10:45 Brigid Grund—Radiocarbon Dating of Technological Transitions: From Atlatl to Bow in Northwestern Subarctic Canada
- 11:00 Kevin Malloy and Heather Rockwell—Just a Scratch: An Experimental Application of Reverse-Microwear Analysis
- 11:15 Kate Buchanan—Castles and Their Landscapes: A Gravity Model Experiment
- 11:30 Thomas Whitley—Droning on a Budget: UAVs, Aerial Imagery, and Photogrammetry for the Archaeologist
- 11:45 Peter Leach and Brian Robinson—Consumer-Grade Drone Mapping and Centimeter-Level Intertidal Geomorphic Changes at the Seabrook Marsh Site, Hampton, New Hampshire

[187] GENERAL SESSION ■ STRUCTURE AND SPACE AT MAYA SITES II**Room:** East Meeting Room 9 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** Christopher Hernandez**Participants:**

- 10:30 Christopher Hernandez—Walls, Ditches, and Spoil: Methodological Issues in the Study of Precolumbian Fortifications
- 10:45 Jim Aimers—Maya E-Groups and the Nature of Science: Ours and Theirs
- 11:00 Zoe Rawski—Refining Architectural Classifications of Preclassic Monumentality at Early Xunantunich, Belize
- 11:15 Zachary Nissen—(Re)Creating Monumental Space: The Everyday Use of Plaza Space at Aventura, Belize, from the Terminal Classic to Late Postclassic
- 11:30 Whitney Lytle—Transformations within an Ancestor Shrine: New Discoveries from Group D—Xunantunich, Belize
- 11:45 Steve Fox and Jaime Awe—Sacrifice in the Name of Ancestors: An Analysis of the Relationships between Terminus Groups and Site Cores in the Belize Valley

[188] GENERAL SESSION ■ THE ARCHAEOLOGY OF IMMIGRATION AND DIASPORA IN THE HISTORIC UNITED STATES

Room: East Meeting Room 5 (VCC)

Time: 10:30 AM–12:00 PM

Chair: Rebecca Renteria

Participants:

- 10:30 John Hedden and Daniel Horgen—The Strange and Terrible Tale of the Davenport Iowa Danish Hall Site: A Lesson in Urban Archaeology from the Farm State
- 10:45 Jennifer Picard, Alexander Anthony and John Richards—Forward and “Faug a Balac”: An Irish Immigrant Family Dugout in Wisconsin
- 11:00 Rebecca Renteria and Ronald Towner—Homesteading in Cebolla Canyon, New Mexico: Ethnicity Studies in Using Dendrochronology, Historical Documents, and Oral Histories
- 11:15 Mary Ann Levine—Moravian Travels through the “Spirit’s Nest”: Archaeology of Colonialism at Madame Montour’s Otstonwakin
- 11:30 Kari Lentz—Irish Independence in the Crapper? Irish Republican Army Buttons in San Francisco
- 11:45 Gabriella Soto—Microhistories of the “Funnel Effect”: Tracing the Banal Materialities of U.S. Border Enforcement, 2000–Present

[189] GENERAL SESSION ■ DIGITIZING THE ARCHAEOLOGICAL RECORD

Room: East Meeting Room 20 (VCC)

Time: 10:30 AM–12:00 PM

Chair: Eric Hanson

Participants:

- 10:30 Debbie Wallsmith and Jeff Mummert—Archaeology and Augmented Reality: Applications and Advice
- 10:45 Petr Kvetina and Jiri Unger—Digital On-Site Presentation of the Invisible Past
- 11:00 Daniel Martinez—Repeat Photography and Cultural Resource Management: A Case Study from Glen Canyon, Arizona
- 11:15 Joseph Pnewski—An Abundance of Data: The Opportunities and Constraints of Digital Media Utilization at Fort Snelling National Historic Landmark
- 11:30 Eric Hanson, Wendy G. Teeter and Lynn Dodd—Jaunt VR 360 Stereo Video Virtual Reality Camera as a Tool for Historic Interpretation and Archaeological Documentation
- 11:45 Kristina Golubiewski-Davis—Reconstructing Social Networks: Using 3D Scans to Infer Networks of Shared Manufacture Knowledge in Late Bronze Age Central Europe

[190] GENERAL SESSION ■ ARCHAEOLOGY IN THE ARCTIC

Room: East Meeting Room 7 (VCC)

Time: 10:30 AM–12:00 PM

Chair: Kathryn Kotar

Participants:

- 10:30 Christian K. Madsen, Ian Simpson, Michael Nielsen and Jette Arneborg—On the Margins of the Marginal? Fringe Settlement and Land Use in Norse Greenland
- 10:45 Caroline Solazzo, William Fitzhugh, Susan Kaplan, Charles Potter and Jolon Dyer—Molecular Markers in Keratins from Hair and Baleen for Species Identification of Archaeological Artifacts
- 11:00 Kathryn Kotar and James M. Savelle—Preliminary Results of New Excavations on Jens Munk Island, Foxe Basin, Arctic Canada

- 11:15 Andrew H. Tremayne and William Brown—Mid-Late Holocene Population Trends and Maritime Resource Intensification in Western Alaska
- 11:30 Thomas Ryan—Using Multidimensional Analysis for the Presentation of Zooarchaeological Data
- 11:45 James Woollett, Paul Adderley, Céline Dupont-Hébert, Guðrun Alda Gísladóttir and Uggi Ævarsson—Ecohistories of Settlement of the Community of Svalbarð, Northeast Iceland

[191] POSTER SESSION ■ ADVANCES IN ARCHAEOLOGICAL METHOD AND THEORY I

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 191-a Charles Morse and Meredith S. Chesson—Bodies, Bowls, and Burial: New Perspectives on the Bab adh-Dhra' Mortuary Assemblage
- 191-b Edward Banning and Isaac Ullah—Percolation Theory and the Effectiveness of Adaptive Sampling in Subsurface Survey
- 191-c Jennifer Milligan, Linda Scott Cummings, R. A. Varney and Gina Laurin—pXRF at the Museum: Nondestructive Elemental Composition Analysis of Collection Objects
- 191-d James Kilpatrick—Weber Fractions, Standardization, and Variation in Artifact Form
- 191-e Nicola Howard—The Uses of Photomicroscopy for Specimens in Museums
- 191-f David Maxwell—Refining the Early Chronology: North American Beer Cans, 1935–1967
- 191-g Hannah Hawkins, Melissa Torquato, Jessica Thompson, Emma James and Erik R. Otárola-Castillo—On Point-Cloud 9: A Replicable Protocol to Model 3D Point Clouds of Artifacts as 3D Surfaces
- 191-h Jared Divido—Testing the Use and Reliability of 3D Scanning Technology in the Construction of a Digital Comparative Faunal Bone Collection
- 191-i Leigh Anne Ellison—Digital Archiving for Archaeological Projects
- 191-j Rachel Pober, Amanda Keen-Zebert and Loren Davis—Refinement of the Chronostratigraphy and Age of Pit Features at the Cooper's Ferry Site, Idaho
- 191-k Tessa Plint, Lisa Hodgetts and Fred Longstaffe—The Effects of Different Defleshing Practices on $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of Modern Faunal Bulk Bone Collagen
- 191-l Danielle Phelps—Tutankhamun's Burial Assemblage: Normative or Atypical Mortuary Practices of the Eighteenth Dynasty of Ancient Egypt?
- 191-m Patrick Lubinski and Thomas Hale—Identifying and Siding the Stylohyoid Bone for North American Artiodactyls
- 191-n Marc Kissel and Agustín Fuentes—Semiosis in the Pleistocene Scene

[192] POSTER SESSION ■ ARCHAEOLOGICAL APPROACHES TO SYMBOL, RITUAL, AND MEANING IN THE AMERICAN SOUTHWEST

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 192-a David Witt and Kristy E. Primeau—Soundscapes in the Past: Interaudibility in the Chacoan Built Landscape
- 192-b Elisheva Charm and Severin Fowles—Indigenous Way Stations of Colonial New Mexico: New Evidence from the Rio Grande del Norte National Monument
- 192-c Sarah Krantz—Reevaluating Rock Art Panels in Northern New Mexico
- 192-d Katherine Brewer—Religion and Death: Missionization and Its Effects on Puebloan Burial Practices during Spanish Colonization

- 192-e Katelyn Bishop, Samantha Fladd and Adam Watson—Social-Ceremonial Organization, Ritual Practice, and Ritual Use of Fauna in Chaco Canyon, New Mexico
- 192-f Christopher Schwartz—Exploring the Deposition of Fauna in Public Spaces in the Tonto Basin, Arizona
- 192-g Elizabeth Dresser-Kluchman—Scarred Ponderosas, Rock Art, and Other Traces of Ute History: New Evidence from the Rio Grande del Norte National Monument
- 192-h Alison Livesay—Exploring Mimbres Social Memory through Burials and Architecture
- 192-i Troy Lovata—Manito Trail Arborglyphs: Expressions of Place and Conceptions of Wilderness in Historic Graffiti from New Mexico, Colorado, and Wyoming
- 192-j Jana Meyer—Examining Variable Funerary Practices at Pottery Mound, New Mexico
- 192-k Melanie Cootsona and Madeleine Strait—The Animals of Pueblo Ritual: Faunal Analysis of a Kiva from Pot Creek Pueblo, New Mexico

[193] POSTER SESSION ■ ADVANCES IN ARCHAEOLOGICAL METHOD AND THEORY II

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 193-a Sheina Lew-Levy, Rachel Reckin, Noa Lavi, Jurgi Cristóbal-Azkarate and Kate Ellis-Davies—How Do Hunter-Gatherer Children Learn to Make Material Culture? A Meta-Ethnographic Review
- 193-b Lia Tarle, George Nicholas and Hugo Cardoso—Museum Ethics and the Display of Archaeological Human Remains
- 193-c Philip Carr—Representing and Intervening: Team-Based Learning in AN 442 Cultural Resource Management
- 193-d Steven Holen and Kathleen Holen—Use-Wear and Breakage Patterns on Cow and Elephant Limb Bone Produced from Anvil Contact during Breakage Experiments
- 193-e Kathleen Holen and Steven Holen—Comparison of Proboscidean Bone Notches to Experimental Dynamic and Static Notches on Cow Bone
- 193-f Jamison Rush—A Queer Reframing of Gendered Archaeological Theory
- 193-g Karin Larkin and Michelle Slaughter—Health Mecca of the West: The Archaeology of a Tuberculosis Sanatorium
- 193-h Elizabeth Scharf—Dangerously Close to Big Data: The Intriguing Possibilities of Statistical Time Series Analysis in Archaeology and Paleoecology
- 193-i Christopher Haisley, Ashley Parker, Christopher Parker and Brian Coddling—To Guard or Not to Guard? Variations in Territoriality within Hunter-Gatherer Societies
- 193-j Mark Van Horn, Adi Eliyahu, Naama Yahalom-Mack and Ann E. Killebrew—Reconstructing Phoenician Iron Production at Tel Akko, Israel
- 193-k Nicholas Smith, Sarah Hlubik, Tamara Dogandžic and David R. Braun—Application of Photogrammetric Methods to Archaeological Site Documentation: Archaeological and Experimental Case Studies
- 193-l Yukiko Tonoike and Dawn Brown—Beyond Impressions: Systematizing Sherd Identification Using the Yale Khabur Basin Project Collection

[194] POSTER SESSION ■ NORTH AMERICA: PACIFIC NORTHWEST I

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 194-a Joanna Wells, Kathryn Krasinski, David Yesner and Fran Seager-Boss—Traditional Dena'ina Land Use at the Cottonwood Creek Village Site, South-Central Alaska

- 194-b Caroline Funk, Debra Corbett and Brian Hoffman—Multigenerational, Multipurpose Landscapes and Seascapes in the Western Aleutian Islands
- 194-c Kelly Derr, Colin Grier and Adam Price—Changing Ecologies and Altered Landscapes: A 13,500 year Paleoecological Record from Galiano Island, British Columbia
- 194-d William Damitio and Shannon Tushingam—Pipes and Smoking in Precontact Pacific Northwest North America
- 194-e Emily C. Taber and Virginia L. Butler—Toward Developing an Economic Model of Fish Rank for Late Nineteenth-Century Pacific Northwest Households
- 194-f Floyd Aranyosi, David Davis, Ashley Garrett and Caroline Hartse—Yama Village: Community College Students Develop an Archaeological Analysis of a Historic Transnational Japanese Community in Washington State
- 194-g Erin Hogg and John Welch—Archaeological Assessment of Land Claims
- 194-h Shane Sparks, J. Tait Elder, Mathew Sisneros and Melissa Cascella—Buried Archaeological Sensitivity Modeling in the Pacific Northwest

[195] POSTER SESSION ■ A LINK TO THE PAST: TEXT MINING AND ENTITY RECONCILIATION WITH THE DIGITAL INDEX OF NORTH AMERICAN ARCHAEOLOGY (DINAA)

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Chairs: Stephen Yerka and Joshua J. Wells

Participants:

- 195-a Stephen Yerka, Joshua J. Wells, David G. Anderson, Sarah Whitcher Kansa and Eric Kansa—The Current State of the Digital Index of North American Archaeology (DINAA)
- 195-b Taylor Wiley, Joshua J. Wells, Eric Kansa, Patrick Finnegan and R. Carl DeMuth—More Than Just Another Number: Use of the Smithsonian Trinomial System and the Digital Index of North American Archaeology (DINAA) to Link Open Information about Archaeological Sites Across the Web
- 195-c Frankie West, Stephen Yerka, Joshua J. Wells, Eric Kansa and Sarah Whitcher Kansa—DNA Linkage: Incorporating North American Ancient DNA Data into DINAA

[196] POSTER SESSION ■ LEARNING ABOUT THE PAST WITH FRAGMENTS FROM THE FIRE: STUDENT RESEARCH ON AN NSF-REU FIELD SCHOOL

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Chairs: Julia Giblin, Györgyi Parditka and Paul R. Duffy

Participants:

- 196-a Paul R. Duffy, Györgyi Parditka, Justine Tynan and Ádám Balázs—Gone to Pot: Stylistic Breaks in a Radiocarbon-Based Ceramic Chronology for the Eastern Hungarian Bronze Age
- 196-b Pranavi Ramireddy, Julia Giblin, Jaime Ullinger and László Paja—An Evaluation of Preservation, Sex, and Age Using Cremains Weight and Volume from a Bronze Age Cemetery in Hungary
- 196-c Anna Szigeti, Virág Varga, Viktória Kiss and Attila Gyucha—An Examination of Changing Copper and Bronze Age Trade Networks in the Körös River Valley, Southeast Hungary
- 196-d Robert Barlow, Hajnal Szász, Györgyi Parditka and Paul R. Duffy—Spiraling like a Boss: Exploring Elements of Bronze Age Ceramic Style at the Micro-Regional Level
- 196-e Kylie Williamson, Julia Giblin, Jaime Ullinger and László Paja—Spatial Analysis

- and Sampling Techniques of Cremated Remains from Bronze Age Cremation Urns in Southeast Hungary
- 196-f Heleinna Cruz, Jaime Ullinger and László Paja—Bone Calcination of Different Age Groups in Cremations from Bronze Age Hungary
- 196-g Emily Quarato and Julia Giblin—Burning Questions about Preservation: An Investigation of Cremated Bone Crystallinity in a Bronze Age Cemetery
- 196-h Audrey Choi, Jaime Ullinger and László Paja—Identifying Pre-incineration State from Heat-Induced Fracture and Warping Patterns Found on Human Cremains in a Hungarian Bronze Age Cemetery
- 196-i Craig Jensen and Mark Golitko—Ceramics Provenience: Chemical Analysis of Ceramics and Clays in Eastern Hungary via LA-ICP-MS
- 196-j Gustavo Cerquera Benjumea and Hamima Halim—Death Games: Exploring the Békés 103 Cemetery Using 3D Technology

[197] GENERAL SESSION ■ DISCERNING SOCIAL COMPLEXITY IN THE NORTH AMERICAN ARCHAEOLOGICAL RECORD

Room: East Meeting Room 2 (VCC)

Time: 10:45 AM–12:00 PM

Chair: Patrick Livingood

Participants:

- 10:45 Jacob Lulewicz—Sociopolitical Networks and the Transformation of Southern Appalachian Societies, AD 700–1400
- 11:00 Dawn Rutecki—Entangled Complexity: Spiro, Religion, and Food
- 11:15 Patrick Livingood—Leadership Specialization among the Caddo and Their Neighbors of the Southeast
- 11:30 Suzanne Villeneuve—Village Aggregation and Early Cultural Developments on the Canadian Plateau: A Case Study from Keatley Creek
- 11:45 Nancy Williams, Nancy Williams, Thomas Foster and Briggs Buchanan—Social Change among the Lower Creek, the Late Woodland to Historic Period

[198] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTHEAST ASIA I

Room: East Meeting Room 4 (VCC)

Time: 11:00 AM–12:00 PM

Chair: Adam Lauer

Participants:

- 11:00 Adam Lauer, Stephen Acabado, Chin-hsin Liu and John Krigbaum—Health and Nutritional Stress in Pericolonial Ifugao, Philippines
- 11:15 Queeny Lapeña and Stephen Acabado—Resistance through Ritual Feasts: The Role of Domesticated Pigs (Philippine *Sus scrofa*) in Ifugao's Fight against Spanish Colonialism
- 11:30 Piyawit Moonkham—Mythscape: An Ethnohistorical Archaeology of Space and Narrative in the Northern Thai Cultural Landscapes
- 11:45 Erin Riggs—Materializing Nationhood: The Many Roles of Built Landscape Management Policy in Post-partition India and Pakistan

Friday Afternoon ■ March 31, 2017

[199] GENERAL SESSION ■ DEVELOPMENTS IN UNDERWATER ARCHAEOLOGY**Room:** West Meeting Room 204 (VCC)**Time:** 1:00 PM–2:00 PM**Chair:** Jessica Cook Hale**Participants:**

- 1:00 Lisa Niziolek, Amanda Respass, Gary Feinman and Laure Dussubieux—Globalization in Southeast Asia's Early Age of Commerce and the Contributions of Maritime Archaeology
- 1:15 Sarah P. Sportman and David Leslie—Underwater, Terrestrial, and Intertidal Core Extractions at the Walk Bridge, Norwalk, Connecticut: An Alternative to Traditional Phase I Survey
- 1:30 Christophe Delaere—Underwater Archaeology in Lake Titicaca, Bolivia: Use of the Littoral Zone in the Tiwanaku Period (AD 500–1150)
- 1:45 Jessica Cook Hale, Nathan Hale and Ervan Garrison—The Tempest: Geoarchaeological Investigations into the Effects of a Hurricane on a Submerged Prehistoric Archaeological Site, Apalachee Bay, Florida, USA

[200] SYMPOSIUM ■ ARQUEOLOGÍA DE LA SIERRA NORTE DE OAXACA, NUEVOS TRABAJOS DE INVESTIGACIÓN ARQUEOLÓGICA, GESTIÓN COMUNITARIA Y PROTECCIÓN DEL PATRIMONIO CULTURAL**Room:** East Meeting Room 17 (VCC)**Time:** 1:00 PM–2:15 PM**Chair:** Pedro Ramon Celis**Participants:**

- 1:00 Laura Diego Luna—Reconocimiento Arqueológico de la Cuenca Alta del Río Grande (Sierra Juárez) de Oaxaca: Método y Avances de la Investigación
- 1:15 Nelly Robles García—Investigaciones Arqueológicas en la Sierra Norte de Oaxaca: El Sitio de San Pedro Nexicho
- 1:30 Pedro Ramon Celis—Contextos Funerarios Posclásicos en San Pedro Nexicho Oaxaca, Análisis Preliminares de un Sitio de la Sierra Juárez
- 1:45 Jack Corbett and Nelly Robles Garcia—Más Allá de la Arqueología
- 2:00 Edith Ortiz-Díaz—Discussant

[201] SYMPOSIUM ■ IN THE MOTHER'S WOMB: ARCHAEOLOGICAL RESEARCH IN CAVES**Room:** East Meeting Room 10 (VCC)**Time:** 1:00 PM–2:30 PM**Chair:** Emiliano Gallaga**Participants:**

- 1:00 Tobías García Vilchis and Emiliano Gallaga—The Cave Dwellers of the Sierra Tarahumara
- 1:15 América Martínez—Cuevas Arqueológicas al Oeste de la Sierra Madre Occidental, Chihuahua: Las Casas Acantilado
- 1:30 Emiliano Gallaga—The Macaw from Cueva de Avendaños, Chihuahua
- 1:45 Jupiter Martinez and Amanda Ríos—Rancho la Cueva: Agaves and Casas Grandes in a Cliff Dwelling
- 2:00 Claudia Garcia-Des Lauriers—Cave Myths Past and Present: Cerro Bernal as a Sacred Landscape
- 2:15 Adriana Sanchez—Aknah and the Moon Spinners: Gender Relations and Rituals in Caves

[202] SYMPOSIUM ■ EL EXTREMO SUR/EL EXTREMO NORTE: RECENT RESEARCH ON MOBILITY AND VERTICALITY IN THE PERU-CHILE BORDERLANDS

Room: West Meeting Room 209 (VCC)

Time: 1:00 PM–2:45 PM

Chairs: Noa Corcoran Tadd, Romuald Housse and Thibault Sainenoy

Participants:

- 1:00 Sarah Baitzel—A View from the Past: A Reanalysis of Archaeological Collections from the Sama Valley and Its Implications for Current Models and Chronologies of the Southern Andean Valleys
- 1:15 Paul Goldstein and Matt Sitek—Tiwanaku Colonization and the Great Reach West: Preliminary Results of the Locumba Archaeological Survey 2015–2016
- 1:30 Romuald Housse—Fortified Settlements of the Upper Basin of the Sama River (Tacna) during the Late Intermediate Period (AD 1100–1450)
- 1:45 Mauricio Uribe—Repensando la Verticalidad en Tiempos del Inca: El Caso de Zapahuira, Sierra de Arica, Norte de Chile
- 2:00 Jesús Gordillo Begazo and Colleen Zori—Resultados Preliminares del Proyecto Moqi (Peru): Explorando la Administracion Inkaica en el Departamento de Tacna
- 2:30 Romuald Housse—Discussant

[203] GENERAL SESSION ■ AFRICAN ARCHAEOLOGY II

Room: West Meeting Room 203 (VCC)

Time: 1:00 PM–2:45 PM

Chair: Elizabeth Sawchuk

Participants:

- 1:00 Elizabeth Sawchuk—The Origins of Pastoralism in Eastern Africa: New Human Dental Evidence from Mid-Holocene Pillar Sites in the Turkana Basin
- 1:15 Justin Dunnavant—In Search of King Tona's Palace: The Politics of Archaeology and Memory in Southern Ethiopia
- 1:30 Johannes Krause, Verena Schuenemann, Alexander Peltzer, Wolfgang Haap and Stephan Schiffels—Ancient Egyptian Mummy Genomes Suggest an Increase of Sub-Saharan African Ancestry in Post-Roman Periods
- 1:45 Jane Humphris and Michael Charlton—Early Iron Production in Sudan
- 2:00 Michael Charlton and Jane Humphris—Experimental Iron Smelting at Meroe, Sudan
- 2:15 Jessika Akmenkalns—Cultural Continuity and Change in the Wake of Ancient Nubian-Egyptian Interaction
- 2:30 R. Scott Hussey—Enslaved Christian Captives in Early Modern North Africa: Resolving Historical Contentions through Archaeology

[204] GENERAL SESSION ■ STRUCTURE AND SPACE AT MAYA SITES I

Room: East Meeting Room 5 (VCC)

Time: 1:00 PM–2:45 PM

Chair: Marieka Arksey

Participants:

- 1:00 Sarah Kurnick—Navigating Social Memories and Reshaping Built Environments: An Analysis of Postclassic Reoccupation in the Yucatán Peninsula
- 1:15 Melissa Burham—Ancient Urbanites: The Spatial and Social Organization of Outlying Temple Groups at Ceibal, Guatemala
- 1:30 Diane Slocum, Doug Tilden and Jaime Awe—Xunantunich Reloaded: Examining the Sociopolitical Significance of Structure A9
- 1:45 Lorraine Williams-Beck—Classic Maya Architectural Form, Function, and Urban Context in the Chenes Region, Campeche

- 2:00 Maline Werness-Rude and Kaylee Spencer—Maya Architecture in the Northern Lowlands
- 2:15 Sherman Horn and Anabel Ford—Putting El Pilar Back on the Middle Preclassic Map: Assessment and Synthesis of the Architectural Data
- 2:30 Marieka Arksey—Politicized Use of the Spaces outside of Caves during the Terminal Classic Maya Collapse

[205] FORUM ■ WHAT GOOD IS SECONDHAND DIGITAL DATA?*(Sponsored by Student Affairs Committee)***Room:** East Meeting Room 4 (VCC)**Time:** 1:00 PM–3:00 PM**Moderator:** Francis McManamon**Participants:**

Katherine Spielmann—Discussant
 Tim Kohler—Discussant
 Michelle Hegmon—Discussant
 Ronald Fauseit—Discussant
 Leslie Aragon—Discussant
 Bonnie Styles—Discussant
 James Wilde—Discussant
 Colleen Strawhacker—Discussant
 Nancy Wilkie—Discussant

[206] FORUM ■ HERITAGE MATTERS: ARCHAEOLOGY AND COMMUNITY ENGAGEMENT THROUGH POLITICAL ADVOCACY**Room:** East Meeting Room 20 (VCC)**Time:** 1:00 PM–3:00 PM**Moderator:** Elizabeth C. Reetz**Participants:**

Phillip Ashlock—Discussant
 Allyson Brooks—Discussant
 Barbara Clark—Discussant
 William Doelle—Discussant
 Deborah Gangloff—Discussant
 Donn Grenda—Discussant
 David Lindsay—Discussant
 Giovanna Peebles—Discussant
 William Quackenbush—Discussant
 Kary Stackelbeck—Discussant
 Marion Werkheiser—Discussant

[207] SYMPOSIUM ■ LIVING AT THE MARGINS: ARCHAEOLOGICAL AND ETHNOGRAPHIC RESEARCH ON POST-EIGHTEENTH-CENTURY IRISH AND SCOTTISH RURAL LIFE**Room:** East Meeting Room 19 (VCC)**Time:** 1:00 PM–3:15 PM**Chairs:** Stephen Brighton and Ian Kuijt**Participants:**

- 1:00 Stephen Brighton—Working on the Margins of the Modern World and within Archaeology: The Historical Archaeology of Late Nineteenth- and Early Twentieth-Century Ireland
- 1:15 Nicholas Ames and Meagan Conway—Island, Mainland, and the Space

- Between: The Role of Geography in Shaping Community Historical Trajectories of Nineteenth- and Twentieth-Century Ireland
- 1:30 Andrew Webster—Marginality in a Connected World: Consumption and Consumerism in Nineteenth-Century Rural Ireland
- 1:45 Sara Morrow and Meredith S. Chesson—Networks of Material Mediation: Shopkeepers in Rural Community Social Dynamics
- 2:00 Eugene Costello—Cows, Wolves, and Witches: The Question of Marginality within Transhumant Communities of Western Ireland
- 2:15 Jeff Oliver and Agusta Edwald—On Grounding “Margins” and “Marginals”: With Brief Visits to the Bennachie Colony (Scotland) and New Iceland (Canada)
- 2:30 Patrick Rivera—Celtic Crosses and Quetzal Masks: On the (Re)production of the Archaeological Record
- 2:45 James Symonds—Discussant
- 3:00 Ian Kuijt—Discussant

[208] SYMPOSIUM ■ ARCHAEOLOGY OF CULTURAL FLUIDITY IN TAIWAN

Room: East Meeting Room 16 (VCC)

Time: 1:00 PM–3:15 PM

Chairs: Mu-Chun Wu and Pei-Lin Yu

Participants:

- 1:00 Yvonne Marshall—Creating, Enduring, and Transforming: Pots and People in Southern Taiwan
- 1:15 Sandy Budden-Hoskins—Tracing Purpose: An Emic View of Pottery Making in Prehistory and Beyond
- 1:30 Chung Yu Liu—Settlement Configuration and Social Structure: Applying Spatial Comparative Analysis in Old Kucapungane
- 1:45 Maa-ling Chen—Movement of People and Its Cultural Reconstructions: Spatial Construction and Cultural Fluidity in Paiwan, Taiwan
- 2:00 Mu-Chun Wu—Modeling Communities: Social Transformation of Early Kaushi, Taiwan
- 2:15 Pei-Lin Yu—Behavioral Ecology of Neolithic Transformations in Taiwan: Ceramics and Settlements
- 2:30 Mike Carson and Hsiao-chun Hung—Changing Landscapes of the Paleolithic/Neolithic Transition in Taiwan
- 2:45 Questions and Answers
- 3:00 Arleyn Simon—Discussant

[209] SYMPOSIUM ■ THREADS ACROSS TIME AND SPACE

Room: East Meeting Room 14 (VCC)

Time: 1:00 PM–3:15 PM

Chairs: Rita Wright and Lisa Overholtzer

Participants:

- 1:00 Paula Dupuy—The Intersection of Clay and Fiber in Central Eurasian Prehistory: Methods for Evaluation
- 1:15 Michele Smith—Globalization, Trade, and Magic: Weaving the Threads of Iceland’s Viking Age Textiles
- 1:30 Susan M. Alt—Weaving Meaning into Mississippian Ritual
- 1:45 John K. Millhauser and Lisa Overholtzer—Mixed Metaphors and Mixed Media: Using Commodity Chains and Commodity Circuits to Better Understand Aztec Textile Production
- 2:00 Megan Leight and Christina Halperin—Classic Maya Textiles and the Crafting of Communities

- 2:15 Sharisse McCafferty and Geoffrey McCafferty—Fringe Identities: Costume in the Mixtec Codices
 2:30 Geoffrey McCafferty—Discussant
 2:45 Julia Hendon—Discussant
 3:00 Eva Andersson Strand—Discussant

[210] SYMPOSIUM ■ NOT JUST GOOD TO SEE: GLOBAL PERSPECTIVES ON SCENES IN ROCK ART

Room: East Meeting Room 11 (VCC)

Time: 1:00 PM–3:15 PM

Chair: Iain Davidson

Participants:

- 1:00 Iain Davidson—Scenes and Non-Scenes in Rock Art: Are There Things We Can Learn about Cognitive Evolution from the Differences
 1:15 Livio Dobrez—Rock Art Categorization
 1:30 Elisabeth Culley—A Comparison of “Scenes” in Parietal and Non-Parietal Upper Paleolithic Imagery: Formal Differences and Ontological Implications
 1:45 Melanie Chang and April Nowell—A Census of Women in the Upper Paleolithic
 2:00 Carole Fritz and Gilles Tosello—Perception et Analyse des Scènes dans l’art Paléolithique Européen
 2:15 June Ross—Narrative or Analysis: Identifying Scenes in the Rock Art of the Kimberley and Central Desert, Australia
 2:30 Tilman Lensen-Erz, Brigitte Mathiak, Eymard Faeder, Maya von Czerniewicz and Joana Wilmeroth—Scenic Narratives of Humans and Animals in Namibian Rock Art
 2:45 Grant McCall, Theodore Marks, Andrew Schroll and Jordan Krummel—Putting Southern African Rock Paintings in Context: The View from the Mirabib Rockshelter, Namibia
 3:00 John Robb—Discussant

[211] SYMPOSIUM ■ FEASTS AND RITUAL STRUCTURES: ETHNOARCHAEOLOGICAL AND ARCHAEOLOGICAL PERSPECTIVES

Room: East Meeting Room 9 (VCC)

Time: 1:00 PM–3:15 PM

Chair: Takashi Sakaguchi

Participants:

- 1:00 Nobutaka Hirahara—Feasting and Concentrated Pottery Production in East Cape, Papua New Guinea
 1:15 Leo Aoi Hosoya—Feast as a Farming “Technique”: Ethnohistorical Case Studies from Amami and Yaeyama Islands, Japan
 1:30 Takashi Sakaguchi—Evolution of Feasting among Jomon Societies Based on Wooden Artifacts
 1:45 Yuka Sasaki—Feasting from the Early to Middle Jomon Period Deduced from Seed Impressions on Pottery
 2:00 Masaru Kobayashi—Archaeology of Salmon Ceremony in the Japan Sea Coastal Regions: A Comparative Study with the Northwest Coast of North America
 2:15 Ryuzaburo Takahashi—A Consideration of Totemism in Late-Latest Jomon Age Based on Archaeological Records
 2:30 Oki Nakamura—Rethinking Local Differences in Burial Customs in the Final Jomon Period

- 2:45 Yo Negishi—Transformation of the Jomon-Era Ritual System: A Case Study of the Jomon/Yayoi Transition in the First Millennium BC in the Tohoku Region of the Japanese Archipelago
3:00 Brian Hayden—Discussant

[212] SYMPOSIUM ■ ARCHAEOLOGY AND NEW OR ALTERNATIVE RELIGIOUS MOVEMENTS

Room: East Meeting Room 18 (VCC)

Time: 1:00 PM–3:30 PM

Chairs: Jeb J. Card and David S. Anderson

Participants:

- 1:00 Jennifer Shaffer Foster—Ritual and Rag Trees in Contemporary Ireland
1:15 Isabel Scarborough—Archaeological Patrimony, Spirituality, and the Construction of a New Indigenous Class in Highland Bolivia
1:30 Cynthia Humes—Hindustva's Rediscovery/Appropriation of Its Ancient Past
1:45 David S. Anderson—Esoteric Spiritualities and Archaeology: Bridging Alternative Understandings of the Ancient World
2:00 Kevin Whitesides—The Highest Common Factor: Heterodox Archaeology and the Perennialist Milieu
2:15 Kenneth Feder—This Way to the Sacrificial Table: The Mystification of the Mundane in the Archaeological Record
2:30 Jeb J. Card—Witches and Aliens: How an Archaeologist Inspired Two New Religious Movements
2:45 Michele Hanks—"That Box Is Haunted!": English Paranormal Investigating and the Immateriality of the Past
3:00 Peter Hiscock—Digging into the Supernatural World: Cinema's Intrinsically Religious Depiction of Archaeology
3:15 Joseph Laycock—Discussant

[213] SYMPOSIUM ■ BEYOND TYPOLOGY: CURRENT TRENDS IN CERAMIC ANALYSIS IN CHINA

Room: West Meeting Room 208 (VCC)

Time: 1:00 PM–3:30 PM

Chairs: Anke M. Hein and Andrew Womack

Participants:

- 1:00 Andrew Womack—Use-Wear and Standardization Analysis of Pottery from Dibaping, a Banshan Period Cemetery in Southern Gansu Province, China
1:15 Yichao Zhao—Use-Wear Analysis on Cooking Vessels of the Longshan Culture: Case Studies on the Tonglin Site
1:30 Ilaria Patania, Susan M. Mentzer, Ofer Bar-Yosef and Paul Goldberg—Micromorphology of Hearth Features and FTIR Analysis of Clays at Xianrendong and Yuchanyan Cave: Reconstructing Pyrotechnology and Human Behavior Connected with the Earliest Pottery
1:45 Camilla Sturm—Evaluating Structural Change in Neolithic Economies: Social Network Analysis of Utilitarian Pottery Exchange in the Jiangnan Plain
2:00 Kuei-chen Lin—Standardization in Pottery Production of the Jinsha Site, Chengdu Plain, China
2:15 Qiaowei Wei—Made Locally or Long-Distance Transportation? New Evidence on Ceramic Vessels from Salt Production Sites from the Late Shang Period in North Shandong
2:30 Eric Carlucci, Jianfeng Cui and Ling-Yu Hung—Portable XRF Analysis of the Pigments of Majiayao Pottery from Dayatou, Northwest China
2:45 Lingyi Zeng—EDXRF Analysis on Ceramics during the Mongol Period in China

- 3:00 Matthew Chastain, Jianli Chen and Xingshan Lei—Materials Processing in the Production of Ceramic Bronze-Casting Molds from the Zhouyuan Area, China, c. 1100–771 BCE
- 3:15 Questions and Answers

[214] SYMPOSIUM ■ AN INTRODUCTION TO THE SOCIO-ECOLOGICAL ENTANGLEMENT IN TROPICAL SOCIETIES (SETS) PROJECT

Room: East Meeting Room 15 (VCC)

Time: 1:00 PM–3:45 PM

Chairs: Scott Macrae, Kendall Hills and Leah Marajh

Participants:

- 1:00 Gyles Iannone—Discussant
- 1:15 Leah Marajh—The Socio-Ecological Entanglement of Water and Resilience in Past and Present Tropical Societies
- 1:30 Scott Macrae—A Comparative Approach to Deciphering Past Agricultural Strategies in the Tropics: The Shared Trends of Resiliency, Vulnerability, and Complexity
- 1:45 Natalie Baron and Gyles Iannone—Investigating the Religious Landscape of Epicenters in Preindustrial Tropical States
- 2:00 Pete Demarte, Samantha Walker, Dan Savage and Melissa Coria—Weathering the Tropics: The Problem of Archaeological Data Collection and Understanding Settlement Systems, Socio-Ecological Dynamics, Human-Thing Entanglements, and the Resiliency of Tropical Societies
- 2:15 Kendall Hills—Investigating the Socio-Ecological Entanglement of Integrative Mechanisms among the Charter States of South and Southeast Asia
- 2:30 Sophie Goldberg—Beyond the Bayon and Ta Phrom: Modeling Demography and Population Health at Angkor, Capital of Medieval Cambodia (802–1431 CE)
- 2:45 Zankhna Mody—Socio-Ecology and the Sacred: A Comparative Study of Historic Natural Sites in Tropical Asia
- 3:00 Miriam Stark—Discussant
- 3:15 Arthur Demarest—Discussant
- 3:30 Questions and Answers

[215] SYMPOSIUM ■ CRAFTING AND CONSUMPTION IN PREHISPANIC MESOAMERICA: A DIACHRONIC PERSPECTIVE/LA PRODUCCIÓN Y EL CONSUMO DE ARTESANÍAS EN MESOAMÉRICA DURANTE LA ÉPOCA PREHISPÁNICA: UNA PERSPECTIVA DIACRÓNICA

Room: East Meeting Room 13 (VCC)

Time: 1:00 PM–4:00 PM

Chair: Lane Fargher

Participants:

- 1:00 Mari Carmen Serra Puche—La Producción de Artesanías durante el Formativo en Xochitecatl-Cacaxtla, Tlaxcala
- 1:15 Hector Cardona Machado, Héctor Cardona, Verenice Y. Heredia Espinoza and John K. Millhauser—La Obsidiana en el Occidente de México: “Ausencias” en la Opulencia
- 1:30 Alejandro Uriarte Torres—Consumo de Bienes de Prestigio y Estrategias Políticas: Una Propuesta Diacrónica para el Noroeste de Yucatán en el Preclásico
- 1:45 Carlos Lazcano Arce and Marianne Sallum—Work and Specialization in the Epiclassic Period (650–950 CE) at Xochitecatl-Cacaxtla, Tlaxcala
- 2:00 Carmen Pérez, Yoko Sugiura and Wesley Stoner—Producción y Consumo de la Cerámica Coyotlatelco: El Caso del Valle de Toluca en el Epiclásico

- 2:15 Angelica Costa, Lane Fargher, Richard Blanton, Verence Y. Heredia Espinoza and John K. Millhauser—Crafting, Identity, and Power: A Comparative Analysis of Late Postclassic Facial Adornment Use in Central Mexico
- 2:30 Marc Marino, Lane Fargher, Richard Blanton, Verence Y. Heredia Espinoza and John K. Millhauser—Chipped Tool Production and Exchange in Late Postclassic Tlaxcallan: Integrating Specialized Production with the Political Economy of a Collective State
- 2:45 Ivonne Pérez Alcántara, Lane F. Fargher, Verence Y. Heredia Espinoza, Richard Blanton and John K. Millhauser—El Estado Tlaxcalteca, el Intercambio y la Economía Doméstica: Un Estudio sobre la Relación entre la Producción, el Consumo y la Política Comercial de un Estado Colectivo
- 3:00 Keitlyn Alcantara—“Eating Locally” in Tlaxcallan: The Impacts of Political Economy on Postclassic Diets
- 3:15 Aurelio López Corral, A. Gabriel Vicencio, Bianca L. Gentil and Nora A. Pérez Castellanos—The Geopolitical Implications of Sub-Flow Variation within the Zaragoza-Oyameles Obsidian Source
- 3:30 Richard Blanton—Discussant
- 3:45 Questions and Answers

[216] SYMPOSIUM ■ TRADITIONAL KNOWLEDGE AND LITHIC RESOURCES

(Sponsored by Prehistoric Quarry and Early Mines Interest Group)

Room: West Meeting Room 210 (VCC)

Time: 1:00 PM–4:00 PM

Chairs: Adrian Burke and Rudy Reimer

Participants:

- 1:00 Nathaniel Kitchel—The Use and Travels of Red Munsungun Chert: The Early Social Significance of a Northern New England Quarry
- 1:15 Heather Wholey—The Mid-Atlantic Steatite Belt: Archaeological Approaches to Traditional Knowledge and the Formation of Persistent Landscapes
- 1:30 Anne S. Dowd—Traditional Native American Raw Material Sources in the Yellowstone Region
- 1:45 Adrian Burke—Traditional Knowledge and Lithic Sources in Northeastern North America
- 2:00 Brandi Lee MacDonald—Ochre Quarrying as Placemaking in British Columbia
- 2:15 Benjamín Ballester, Marcela Sepúlveda, Francisco Gallardo, Gloria Cabello and Estefanía P. Vidal Montero—Pigment Mining for Color Meanings: El Condor Mine from Atacama Desert (AD 300–1500)
- 2:30 David Denton—Waapushukamikw: Sacred Site and Lithic Quarry in Subarctic Quebec
- 2:45 Patrick Julig—Traditional Wooden Structures on an Ancient Quartzite Quarry Site, Manitoulin Island, Canada
- 3:00 Dean Arnold—Finding Prehistoric Sources of Ceramic Raw Materials in Ticul, Yucatán, Mexico: Traditional Knowledge, Materiality, and Religion
- 3:15 Kevan Edinborough, Peter Schauer, Andrew Bevan, Mike Parker Pearson and Stephen Shennan—Supply and Demand in the Neolithic Quarry Production of Northwest Europe
- 3:30 Gabriel Cooney, Jenny Murray and Will Megarry—Powerful Objects: Traditional Beliefs about Neolithic Axes and Knives in Shetland
- 3:45 William Fox—Discussant

[217] SYMPOSIUM ■ SEATS OF POWER: FUNCTIONAL SECTORS IN MESOAMERICAN PALACES**Room:** West Meeting Room 202 (VCC)**Time:** 1:00 PM–4:00 PM**Chair:** Linda R. Manzanilla**Participants:**

- 1:00 Linda R. Manzanilla—Xalla, Teotihuacán: A Multifunctional Palace for the Ruling Elite of Teotihuacán
- 1:15 Verónica Ortega—Elementos de Prestigio en el Complejo Arquitectónico Quetzalpapálotl, Teotihuacán
- 1:30 Ana M. Jarquin and Enrique Martínez—El Palacio Norte de la Ciudadela, Conjunto 1D, Teotihuacán
- 1:45 Annick J. E. Daneels—Palaces at La Joya, Classic Period Central Veracruz: Architectural and Ideological Evidence
- 2:00 Takeshi Inomata—Maya Palaces at Aguateca and Ceibal, Guatemala
- 2:15 William J. Folan, María del Rosario Domínguez C. and Joel D. Gunn—Maya Palaces: Royal Courts of the Ancient and Not-So-Ancient Maya
- 2:30 Genevieve Lucet—Spatial Roles in Cacaxtla: A Delineation from the Study of Its Architecture
- 2:45 Claudia I. Alvarado—The Palace Group at Xochicalco, Morelos, Mexico
- 3:00 Susan Toby Evans—Evolution of the Aztec Tecpan Palace
- 3:15 Ronald Spores and Laura Diego Luna—Power and Settlement in Prehispanic and Early Spanish Colonial Yucundaa-Pueblo Viejo de Teposcolula, Oaxaca
- 3:30 Jerry D. Moore—Discussant
- 3:45 Questions and Answers

[218] SYMPOSIUM ■ MAYA HIGHLAND AND PACIFIC COAST ARCHAEOLOGY: NEW DATA, DEBATES, AND DIRECTIONS, PART 2**Room:** East Ballroom A (VCC)**Time:** 1:00 PM–4:00 PM**Chair:** Gavin Davies**Participants:**

- 1:00 Gavin Davies and Tomás Barrientos—Controlling the Flow: Interregional Interaction, Community Prosperity, and Politics at the Highland/Pacific Frontier of Lake Atitlan, Guatemala
- 1:15 Oswaldo Chinchilla—American Pompeii: Old Evidence on Late Classic Ties between the Pacific Coast and the Antigua Valley
- 1:30 David McCormick—The Obsidian Workshops at Late Classic Cotzumalguapa: Preliminary Technological and Sourcing Analyses
- 1:45 Eugenia Robinson, Geoffrey Braswell and Francisco Belli-Estrada—Interaction in the Late Classic Kaqchikel Area and Adjacent Pacific Coast: Least Cost Routes
- 2:00 Chloé Andrieu, Arthur Demarest, Paola Torres, Julien Sion and Juan Francisco Saravia—On the Frontier: Raxruha Viejo, a Late Classic Highland Exchange Center
- 2:15 Iyaxel Cojti-Ren—The Emergence of the Kaqchikel Polity: Ethnogenesis in the Postclassic Guatemalan Highlands
- 2:30 Katharine Johnson and Guido Pezzarossi—Assessing Defensibility: Geospatial Analyses of Preclassic to Colonial Highland Maya Settlement Patterns
- 2:45 Roberto Lopez Bravo and Elizabeth H. Paris—The Jovel Valley of Highland Chiapas from the Classic Period to the Postclassic Period
- 3:00 Marie Annereau-Fulbert—The Central Maya Highlands during the Postclassic: A Marginal Region on the Eve of the Spanish Conquest?

- 3:15 Alexander Rivas and Brent Woodfill—The Highland Maya Conquests of the Northern Transversal Strip from the Early Postclassic through the Twenty-First Century
- 3:30 Janine Gasco and Yahaira Nunez Cortes—Interaction and Exchange in Late Postclassic Xoconochco
- 3:45 William Fowler—Discussant

[219] SYMPOSIUM ■ LIFE AND DEATH IN ANCIENT NUBIA: ARCHAEOLOGICAL AND BIOARCHAEOLOGICAL PERSPECTIVES

Room: West Meeting Room 207 (VCC)

Time: 1:00 PM–4:15 PM

Chair: Tosha Dupras

Participants:

- 1:00 Abigail Breidenstein, Geoff Emberling, Abigail Bouwman, Frank Ruehli and Abigail Bigham—Christian Life in Medieval Nubia at el-Kurru, Sudan
- 1:15 Stuart Smith—Entangled Lives: Intercultural Interactions in the Nubian Borderland
- 1:30 Michele Buzon and Sarah Schrader—Comparison of Nubian and Egyptian Patterns of Physical Activity at New Kingdom Tombos
- 1:45 Tina Jakob, Joe W. Walsler III, Donatella Usai and Sandro Salvatori—A View from the Periphery: Bioarchaeology and Funerary Archaeology at Al Khiday, Central Sudan
- 2:00 Marc Maillot—The Palace of Muweis and Its Medieval Necropolis
- 2:15 Yann Ardagna and Marc Maillot—The Medieval Necropolis of Mouweis (Shendi Area, Sudan): Bioarchaeological Insights
- 2:30 Brenda Baker—Mortuary Variability and Identity Upstream of the Fourth Cataract
- 2:45 Vincent Francigny: The Elite Meroitic Necropolis of Sai Island Part I—Mortuary Interpretations
- 3:00 Tosha Dupras, Vincent Francigny, Amanda Groff and Alex de Voogt—The Elite Meroitic Necropolis of Sai Island, Part II: Bioarchaeological Interpretations
- 3:15 Marcos Martinez, Alexandra Greenwald, Jelmer Eerkens, Alex de Voogt and Vincent Francigny—Inter- and Intra-individual Dietary Variation among the Agro-Pastoralist Sai Island Meroitic Population
- 3:30 Elizabeth Minor—One More for the Road: Beer, Sacrifice, and Commemoration in Ancient Nubian Burials of the Classic Kerma Period
- 3:45 Michaela Binder, Charlotte Roberts and Neal Spencer—Life in Times of Change: A Bioarchaeological Perspective on Health and Living Conditions in Upper Nubia in the Late Second and Early First Millennium BC
- 4:00 Questions and Answers

[220] SYMPOSIUM ■ NORTHERN SOUTH AMERICA II: MOBILITY, LANDSCAPES, AND SOCIALSCAPES

Room: East Meeting Room 8 (VCC)

Time: 1:00 PM–4:45 PM

Chairs: Ryan Hechler, Maria Ordoñez and Fernando J. Astudillo

Participants:

- 1:00 Ryan Hechler—Discussant
- 1:15 Brock Wiederick and Fernando J. Astudillo—Industrial Islands: Ecological Impacts of the Steam-Powered Mills of the El Progreso Plantation, Galápagos Islands
- 1:30 Siobhan Boyd, Zev Cossin, Samuel Connell and Ana Gonzalez—A Dynamic Social Landscape: Recent Investigations at the Hacienda Guachalá, Northern Highlands of Ecuador

- 1:45 William Barse—Orinocan Prehistory and Its Wider Relationships
 2:00 Corey Herrmann—Tabuchila Ceramics of the Jama River Valley, Manabí, Ecuador
 2:15 Jorge Garcia—Social Inequality as Reflected in Dietary and Mobility Practices of South American Maritime Chiefdom Societies: Contextual and Isotopic Analysis of Burials Excavated in La Tolita, Ecuador
 2:30 Andres Garzon-Oechsle and Valentina Martínez—Results of Survey and Analysis of Manteño Archaeological Sites with Stone Structures in the Las Tusas River Valley, Rio Blanco, Ecuador
 2:45 Valentina Martínez and Tamra Walter—The Manteño of Coastal Ecuador: A Case of Territorial Expansion in a Diverse Environment
 3:00 Andrea Cuellar—Social Differentiation and Hierarchy at a Central Place in the Eastern Andes of Ecuador
 3:15 Estanislao Pazmiño—Spondylus, Mounds, and Pyramids: An Approach to Social Changes in the Northern Andes of Ecuador during the Late Period
 3:30 David Brown—Cochasquí in Context: The Evolution of a Monumental Center
 3:45 William Pratt—Form Is Emptiness, Emptiness Is Form: Reimagining the Pyramids at Cochasquí, Ecuador
 4:00 Ryan Hechler—Beyond Monumentality: Looking Past the Pyramids of Cochasquí, Ecuador
 4:15 Diana Carvajal Contreras—Discussant
 4:30 Questions and Answers

[221] SYMPOSIUM ■ ONGOING RESEARCH IN EURASIAN ARCHAEOLOGY: ASSESSING THE IMPLICATIONS OF NEW EVIDENCE

Room: West Meeting Room 206 (VCC)

Time: 1:00 PM–4:30 PM

Chair: Denis Sharapov

Participants:

- 1:00 Kathryn MacFarland—Landscapes of Belief: Structured Religious Practice in Iron Age Central Eurasia
 1:15 Denis Sharapov—Early Polities in the Steppes: Sintashta Communities of Southern Russia
 1:30 Dorcas Brown and David Anthony—Bronze Age Economy and Rituals at Krasnosamarskoe in the Russian Steppes
 1:45 David Anthony—Ancient DNA analysis and the Indo-European Dispersal
 2:00 Mike Teufer—The Bronze and Iron Age Sites Saridjar and Karim Berdy, Tajikistan
 2:15 Gunvor Lindstroem—Torbulok: A sanctuary in the Hellenistic Far East
 2:30 Elissa Bullion—Biological Diversity in Medieval Uzbekistan: Examining Community Expression under the Qarakhanid State
 2:45 Gabrielle Borenstein—Motif and Milieu: Deconstructing the (Re)production of the Kura-Araxes Culture (3500–2400 BC)
 3:00 Svend Hansen—Arukho: Neolithic Settlement and Ritual Place in Georgia, Southern Caucasus
 3:15 Kathryn Franklin and Astghik Babajanyan—Medieval Worldbuilding and Cosmopolitics: Armenia on the Silk Road
 3:30 Sabine Reinhold—Late Bronze Age in the North Caucasus: Shaping a New Culture for a New Millennium
 3:45 Alan Greene—Regional Political Economies in the South Caucasus: Tracing Social Boundaries in a Eurasian Context
 4:00 Udo Schlotzhauer, Denis Zhuravlev, Daniel Kelterbaum, Anca Dan and Hans-Joachim Gehrke—Landscape Reconstruction at the Black Sea Coast
 4:15 Michael Frachetti—Discussant

[222] GENERAL SESSION ■ ANDEAN ARCHAEOLOGY

Room: East Meeting Room 7 (VCC)

Time: 1:00 PM–4:30 PM

Chair: Brian McCray

Participants:

- 1:00 Elizabeth Currie—The Antiquity and Persistence of Traditional Health Beliefs and Practices in the Northern Andes
- 1:15 Tracy Martens—Fiber Technology from Caleta Vitor, Northern Chile
- 1:30 Brian McCray—Open Space and Restricted Action: Analysis of Intrasite Networks of Movement at Wimba, in the Northeastern Peruvian Montane Forest
- 1:45 Jose Peña—Casma Pottery Production at El Campanario Site, Huarney Valley, Peru
- 2:00 María Albeck, María Amalia Zaburlin, Jose Luis Tolaba, Diego Martin Basso and María Elena Tejerina—Far South: An Altiplanic Settlement in Northwestern Argentina
- 2:15 Alejandra Vidal Elgueta, Luis Felipe Hinojosa and María Fernanda Pérez—Human Selection on Maize Size Traits: A contribution from the Archaeological Record of Tarapacá, Chile, South-Central Andes
- 2:30 Jonah Augustine—Visually Linking the Ritual and the Quotidian at Tiwanaku, AD 500–1100
- 2:45 Dana Bardolph, Brian Billman, Jesus Briceno and Gabriel Prieto—Reconsidering Farming and Foraging in the Pre-Moche World
- 3:00 Mary Louise Stone—Central Andes Kotosh Religious Tradition, Third Millennium BCE: Hearth Designs as Andean Portals between Worlds
- 3:15 Jo Osborn—A Bayesian Approach to the Interpretation of Andean Faunal Assemblages
- 3:30 Christian Mesia and Sadie Weber—Evidence of Diet and Food Consumption from Chavin de Huantar during the Middle and Late Andean Formative (1200–550 BCE)
- 3:45 Gabriela Ore Menendez and Zachary Chase—From the Sky to the Andes: Intersection between Traditional Survey and Satellite Multispectral Analysis
- 4:00 Emily Sharp and Rebecca E. Bria—Ritual Violence or Simply Ritual? Evaluating the Evidence for Child Sacrifice in Late Formative Period Peru
- 4:15 Jessica Kaplan—Obsidian in the Wari Empire: Sourcing Material from the Capital Using pXRF

[223] SYMPOSIUM ■ INSIGHTS FROM INCREMENTS: ADVANCES IN GEOCHEMICAL AND MICROSCOPIC ANALYSES OF HARD TISSUES

Room: East Meeting Room 3 (VCC)

Time: 1:00 PM–4:45 PM

Chairs: Christine Bassett and Natasha Leclerc

Participants:

- 1:00 Carey Garland and Laurie Reitsema—Early Life Stress at the Late Prehistoric/Early Contact Site of Fallen Tree: Combining Enamel Defects and Incremental Isotope Analysis of Dentin to Explore Nutrition as a Source of Stress
- 1:15 Meghan Burchell—Discussant
- 1:30 C. Fred Andrus—Discussant
- 1:45 Alexander Pryor, Alistair Pike, Jiri Svoboda, Alexander Dudin and Clive Gamble—Reconstructing Paleolithic Prey Migration Using Oxygen and Laser Ablation Strontium Isotope Measurements in Tooth Enamel
- 2:00 Jillian Swift—Applications of Rat Bone Collagen Stable Isotope Analysis toward Investigating Long-Term Island Socio-Ecosystem Dynamics: Case Studies from Mangareva (French Polynesia) and Pemba Island (Zanzibar)

- 2:30 Maria Jose Rivera Araya and Suzanne Pilaar Birch—Assessing Stable Isotope Data from Archaeological White-Tailed Deer Remains as a Paleoenvironmental Proxy at the Site of La Joyanca, Northwestern Petén, Yucatán Peninsula
- 2:45 Bernd R. Schöne and Katharina Schmitt—Effects of Sample Pretreatment and Contamination on Bivalve Shell and Carrara Marble $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ Signatures
- 3:00 Ryan Härke—Sclerochronology of the Tiger Lucine Clam (*Codakia orbicularis*): Implications for Florida Keys and Northern Caribbean Archaeological Site Seasonality
- 3:15 Natasha Leclerc, Terence Clark, Gary Coupland, Bernd R. Schöne and Meghan Burchell—Shellfish, Seasonality, and Subsistence in Sechelt Inlet: Understanding Intertidal Resources with High-Resolution Bivalve Sclerochronology
- 3:30 Nicholas P. Jew, Taylor Dodrill and Scott Fitzpatrick—Stable Oxygen Isotope $\delta^{18}\text{O}$ Analysis of Crocus Clam (*Tridacna crocea*) from Palau, Micronesia: Evaluating a Proxy for Sea-Surface Temperature Reconstruction
- 3:45 Peter Müller, Philip Staudigel, Sean Murray, Hildegard Westphal and Peter Swart—Impact of Prehistoric Cooking on Proxy Signatures in Shell Midden Constituents
- 4:00 David Leslie and Kevin McBride—Warm or Cold Season of Capture? Oyster Middens from Block Island, Rhode Island
- 4:15 Niklas Hausmann and Demetrios Anglos—Making a Case for Large-Scale Seasonality Studies: Preliminary Results from the ACCELERATE Project
- 4:30 Questions and Answers

[224] SYMPOSIUM ■ BURNING LIBRARIES: ENVIRONMENTAL IMPACTS ON HERITAGE AND SCIENCE

(Sponsored by Climate Change Strategies and the Archaeological Record Committee)

Room: East Meeting Room 2 (VCC)

Time: 1:00 PM–5:00 PM

Chair: Thomas H. McGovern

Participants:

- 1:00 Thomas H. McGovern—Responding to Burning Libraries
- 1:15 Isabel Rivera-Collazo and Tom Dawson—Puerto Rican Cultural Heritage under Threat by Climate Change
- 1:30 Carole Nash and Heather Wholey—Climate Change and the Predicament of Archaeology in the U.S. Middle Atlantic Region
- 1:45 Hans Harmsen, Christian K. Madsen, Henning Matthiesen, Bo Elberling and Jørgen Hollesen—A Ticking Clock? Considerations for Preservation, Valuation, and Site Management of Greenland's Coastal Archaeology in the Twenty-First-Century
- 2:00 Konrad Smiarowski, Michael Nielsen and Christian K. Madsen—Norse Greenland Farms and the Loss of Organic Preservation: No More Wood, Textiles, or Bones
- 2:15 Anastasia Steffen and Rachel Loehman—Wildfires, Forests, and the Archaeological Record: Investigating Complex and Persistent Human-Landscape Legacies
- 2:30 Susan Kaplan—What to Do about Avayalik Island 1: A Remote Central Place in the Paleoeskimo World
- 2:45 Brian Bates, Walter Witschey, Craig Rose, Mary Farrell and Erin West—The Library Is on Fire, Now What? Assessing the Damage and How to Approach It: A Case Study from the Chesapeake Bay
- 3:00 Ruth Maher, Robert Friel, Lindsey Kemp, Julie Bond and Stephen Dockrill—The Potential for Georeferenced Spatial Data on Coastal Erosion Sites

- 3:15 Sarah Miller—Heritage Monitoring Scouts (HMS Florida): Engaging the Public to Monitor Heritage at Risk
- 3:30 Leslie Reeder-Myers and Torben Rick—Shell Middens and Sea Level Rise: Learning from the Past and Preparing for the Future
- 3:45 Tom Dawson, Elinor Graham and Joanna Hambly—Community Action at Sites Threatened by Natural Processes
- 4:00 Vibeke Vandrup Martens, Michel Vorenhout, Ove Bergersen, Paula Utigard Sandvik and Jørgen Hollesen—Mitigating Climate Change Impacts on Heritage Sites?
- 4:15 Michael Heilen, Jeffrey Altschul and Friedrich Lueth—Forecasting Climate Change Impacts and Resource Values to Set Preservation and Research Priorities
- 4:30 Alice R. Kelley—Discussant
- 4:45 Anne Jensen—Discussant

[225] SYMPOSIUM ■ ANIMALS AND THE SACRED PRECINCT OF TENOCHTITLAN: BIOLOGY, ARCHAEOLOGY, HISTORY, AND CONSERVATION

Room: East Meeting Room 12 (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Ximena M. Chávez Balderas and Leonardo López Luján

Participants:

- 1:00 Mario Favila, Leonardo López Luján, Janet Nolasco Soto, María Barajas Rocha and Erika Lucero Robles Cortés—First Report of a Dung Beetle (*Canthon cyanellus* Leconte) Found in an Offering of the Great Temple of Tenochtitlan
- 1:15 Belem Zúñiga Arellano and Adrian Velazquez-Castro—The Anahuatl Pectorals from the Offerings of the Great Temple of Tenochtitlan
- 1:30 Adriana Gaytán-Caballero, Belem Zúñiga Arellano and José Luis Villalobos Hiriart—Crustaceans as Part of the Mexica Worldview: Case Study of Offering 125 Associated to the Tlaltecuiltli Monolith
- 1:45 Leonardo López Luján, Belem Zúñiga Arellano, Francisco Solís Marín, Carolina Martín Cao Romero and Andrea Alejandra Caballero Ochoa—Starfish in the Offerings of the Great Temple of Tenochtitlan
- 2:00 Nataly Bolaño-Martínez, Oscar Uriel Mendoza-Vargas and Erika Lucero Robles-Cortés—Analysis of Elasmobranchs from Offerings 126, 141, and 165 Found at the Great Temple of Tenochtitlan
- 2:15 Adriana Sanroman, María Barajas, Valeria Hernandez and Erika Lucero Robles Cortés —Conservation of Sawfish Rostra in the Great Temple of Tenochtitlan
- 2:30 Erika Lucero Robles Cortés—Crocodiles in the Offerings of the Great Temple: Use and Symbolism
- 2:45 Frances Berdan—Discussant
- 3:00 Israel Elizalde Mendez, Amaranta Argüelles Echevarría and Ximena M. Chávez Balderas—Paleopathology Analysis of Animal Bones Found inside the Templo Mayor Offerings
- 3:15 Ximena M. Chávez Balderas, Jacqueline Castro Irineo and Karina López Hernández—Representing the Underworld: Manipulation and Reuse of Animal Bones from Offering 126
- 3:30 Norma Valentín, Gilberto Pérez Roldán, Erika Lucero Robles Cortés and Israel Elizalde Mendez—Technological Analysis of Bone Bloodletting Instruments from the Offerings of the Great Temple of Tenochtitlan
- 3:45 Laura Filloy and Maria Olvido Moreno-Guzman—How Many Birds Does It Take to Make a Feathered Shield? The Resources and Techniques of Mexica Featherworkers
- 4:00 Alejandra Aguirre—The Symbolism of the Animals Found inside Offering 125 of the Great Temple of Tenochtitlan

- 4:15 Michelle Marlene De Anda Rogel and Fernando Carrizosa Montfort—
Representations of Fauna in Mural Paintings of Tenochtitlan
- 4:30 Montserrat Morales and Edsel Rafael Robles Martínez—Mammals in a
Colonial Context
- 4:45 Eduardo Matos—Discussant

**[226] SYMPOSIUM ■ ALTERNATIVE PERSPECTIVES ON THE PEOPLING OF THE NEW WORLD:
A SYMPOSIUM IN HONOR OF RUTH GRUHN, THE “FIRST LADY” OF FIRST AMERICANS
STUDIES**

*(Sponsored by Center for the Study of the First Americans, Texas A&M
University)*

Room: East Ballroom B (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Michael Waters, Kelly Graf and Ted Goebel

Participants:

- 1:00 John W. Ives—Discussant
- 1:15 Ted Goebel and Kelly Graf—On the Trail of the Stemmed Point: A Circum-
Pacific Perspective
- 1:30 Heather L. Smith—Fluted-Point Technology and the Nature of Its Transmission
in the Western Canadian Ice-Free Corridor
- 1:45 Daryl Fedje, Duncan McLaren and Quentin Mackie—Stemmed Points and
“Expedient Stone Tools”: Early Post-Glacial Archaeology on the British Columbia
Coast
- 2:00 Loren Davis and Alex J. Nyers—Searching for the First Americans along
Oregon’s Ancient Coast: New Methods and Upcoming Research
- 2:15 Kenneth Reid and Franklin Foit Jr.—The Western Stemmed Tradition and the
Glacier Peak Eruptions: A Precautionary Tale
- 2:30 Dennis Jenkins—Western Stemmed Occupations of the Northern Great Basin
- 2:45 Michael Waters—The Emerging 13,000 to 15,000 cal yr BP Archaeological
Record of North America South of the Continental Ice Sheets
- 3:00 Jessi Halligan and Michael Waters—Pre-Clovis Archaeology in the Frontiers of
Research: Page-Ladson and the Importance of Submerged Sites to
Understanding the First Americans
- 3:15 Carlos Lopez and Martha Cano—The Earliest Occupation of Colombia: Balance
and Perspectives at the Beginning of the Twenty-First Century
- 3:30 Kurt Rademaker—From Los Tapiales to Cuncaicha: Terminal Pleistocene
Humans in America’s High-Elevation Western Mountains
- 3:45 Eric Boeda, Christine Hatté, Michel Fontugne and Christelle Lahaye—Attempt of
Modelization of the First Settlements in America at Pleistocene Based on the
New Archaeological Sequences in Piauí (Brazil)
- 4:00 Gustavo Politis—Late Pleistocene Archaeology in Argentina 47 Years Later
- 4:15 Nora Flegenheimer and Roxana Cattáneo—Discussing Early Societies Fishtail
Points and Early Social Practices Seen from the Southern Cone
- 4:30 Luis Borrero, Fabiana María Martín, Manuel J. San Román, Flavia Morello
Rpetto and Dominique Todisco—Southern Patagonia: Coastal versus Interior
Human Migration
- 4:45 Ruth Gruhn—Discussant

[227] SYMPOSIUM ■ FRISON INSTITUTE SYMPOSIUM: THE FUTURE OF “BIG DATA” IN ARCHAEOLOGY

Room: East Ballroom C (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Erick Robinson, Robert L. Kelly and Nicolas Naudinot

Participants:

- 1:00 David Anderson, David Echeverry, D. Shane Miller and Stephen Yerka—PIDBA (Paleoindian Database of the Americas): Long-Term Collaborative Research at International Scales
- 1:15 Matt Peeples, Barbara Mills and Jeffery Clark—Tackling the Big Challenges of Big Data: An Example from the U.S. Southwest
- 1:30 Andres Izeta and Roxana Cattáneo—Networking: Digital Archaeology Repositories in Argentina
- 1:45 Robert L. Kelly and Erick Robinson—The Challenges and Prospects of Developing Radiocarbon “Big Data” for the Study of Prehistoric Demography
- 2:00 James Oliver, Russell Graham and Thomas Stafford Jr.—Protecting Our Fossil Fuel: Bone Dates, Date-Assessment Protocols, and the Need for a Worldwide 14C Database
- 2:15 Andrew Martindale, Konrad Gajewski, Michelle Chaput, Pierre Vermeersch and Carley Crann—Building a Global 14C Database
- 2:30 Adam Rabinowitz, Ryan Shaw and Patrick Golden—PeriodO 2: “Big Data,” Linked Data, and the Reconciliation of Absolute Dates and Traditional Periodizations in Archaeology
- 2:45 Sean Downey and Randy Haas—Early Warning Signals of Demographic Collapse Detected in a Meta-Database of European Neolithic Radiocarbon Dates
- 3:00 Enrico Crema and Stephen Shennan—Detecting Spatially Local Deviations in Population Change Using Summed Probability Distribution of Radiocarbon Dates
- 3:15 Petro Pesonen and Miikka Tallavaara—Lidar Data and the Temporal Trends in the Frequency of Hunter-Gatherer Sites in the Northwest Coast of Finland 10,000–2000 cal BP
- 3:30 Suzanne Pilaar Birch, Russell Graham, Eric Grimm, Jessica Blois and Jack Williams—A New Stable Isotope Data Repository within the Neotoma Paleoeological Database
- 3:45 Joshua J. Wells—Waist Deep in the Big Data: How the Digital Index of North American Archaeology (DINAA) Implements Ontological and Loosely Coupled Organization around the Construct of the Archaeological Site
- 4:00 Eric Kansa and Sarah Witcher Kansa—Big, Slow, and Linked: Toward Distributed and Scalable Data Practices in Archaeology
- 4:15 Keith Kintigh, Katherine Spielmann, K. Selçuk Candan, Adam Brin and James DeVos—Data Integration in the Service of Synthetic Research
- 4:30 Kyle Bocinsky—“Constraint and Freedom” in the Era of Big Data
- 4:45 Julian Richards—Size Isn’t Everything: Are Our Data Good Enough to Be Big?

[228] SYMPOSIUM ■ STUDY OF HUMAN ECODYNAMICS AT TSE-WHIT-ZEN, A 2,800-YEAR-OLD LOWER ELWHA KLALLAM COASTAL VILLAGE IN WASHINGTON STATE, USA

(Sponsored by Island and Coastal Archaeology Interest Group)

Room: West Meeting Room 205 (VCC)

Time: 1:00 PM–5:00 PM

Chair: Virginia L. Butler

Participants:

- 1:00 Sarah L. Sterling, Sarah K. Campbell and Virginia L. Butler—Introduction to the Tse-whit-zen Site: Landform Evolution and Chronological Structure
- 1:15 Ian Hutchinson, Sarah L. Sterling, Virginia L. Butler and Carrie Garrison-Laney—

- Washed Away? Was Tse-whit-zen Deserted in the Aftermath of Cascadian Earthquakes?
- 1:30 Jennie Shaw—Beyond Radiocarbon: Using AMS Samples to Assess Woody Plant Use at Tse-whit-zen
- 1:45 Sarah K. Campbell, Erin Benson, Brendan Culleton and Douglas J. Kennett—Habitat Change versus Human Impact: Size and Frequency Trends in Multiple Taxa of Marine Invertebrates at Tse-whit-zen Village
- 2:00 Virginia L. Butler—On the Ecodynamics of Fisheries at Tse-whit-zen
- 2:15 Laura Syvertson and Virginia L. Butler—Assessing Response of Tse-whit-zen's Large-Bodied Fish to Environmental Change Using Sampling to Redundancy
- 2:30 Patrick W. Rennaker and Virginia L. Butler—How Were Pacific Cod at Tse-whit-zen Affected by Climate Change?
- 2:45 Reno Nims and Virginia L. Butler—Sablefish (*Anoplopoma fimbria*) and Human Ecodynamics at Tse-whit-zen and the Salish Sea
- 3:00 Kristine Bovy—Predicting and Assessing the Impact of Environmental Events on Seabirds at Tse-whit-zen Village
- 3:15 Michael Etner—Shifting Use of Mammals at Tse-whit-zen: Response to Gradual or Catastrophic Change?
- 3:30 Joseph Sparaga, Sarah K. Campbell and Laura Phillips—Specialization, Standardization, and Opportunism: A Design Theory Perspective on the Production of Cultural Necessities at Tse-whit-zen Village
- 3:45 Carmen Watson-Charles—Discussant
- 4:00 Arlene Wheeler—Discussant
- 4:15 Frances Charles—Discussant
- 4:30 Robert Losey—Discussant
- 4:45 Ben Fitzhugh—Discussant

[229] SYMPOSIUM ■ THE SCIENCE OF ORGANIC RESIDUE ANALYSIS AND THE ART OF CULTURAL INTERPRETATION II

(Sponsored by Society for Archaeological Science and PaleoResearch Institute)

Room: East Meeting Room 1 (VCC)

Time: 1:00 PM–5:00 PM

Chair: Michelle Eusebio

Participants:

- 1:00 Sean Rafferty—Recent Research in Residue Analysis in Old World and New World Contexts
- 1:15 Lana Martin—Using Ancient Plant Macroremains to Understand Resource Consumption in the Past and Present
- 1:30 Glenna Nielsen-Grimm, Richard Terry, Bryce Brown, Deanne Matheny and Ray Matheny—Residue Analysis for Cacao in Southeastern Utah Ancestral Puebloan Ceramics, Montezuma Canyon, Utah
- 1:45 Jenna Battillo—Paleofecal Analysis from a Human Behavioral Ecology Perspective
- 2:00 Marjolein Admiraal—Organic Residues from Durable Vessels in Prehistoric Southwest Alaska
- 2:15 Maureece Levin and Floyd Silbanuz—Fire up the Uhmw: Deciphering Botanical Residues from Earth Ovens in Pohnpei, Federated States of Micronesia
- 2:30 Sheahan Bestel and Tianlong Jiao—Plant Residues from the Pre-Austronesian Tanshishan site (c. 4300 BP) and Their Interpretation
- 2:45 Rheta Lanehart, Anne P. Underhill, Robert H. Tykot, Fen Wang and Fengshi Luan—Liangchengzhen Consumption Patterns: Moving from Integrative to Competitive
- 3:00 Cathleen Hauman—Cooking Up a Storm

- 3:15 Jasminda Ceron—The Potentials of Anthracology and the Study of Archaeological Parenchyma in Vietnam Archaeology
- 3:30 Michelle Eusebio, Philip Piper, Andrew Zimmerman, T. Elliott Arnold and John Krigbaum—"Call Any Vegetable": Culinary Practices in Neolithic and Metal Age Mekong River Delta
- 3:45 Kristyn Hara—Burning Questions: An Anthracological Approach to Culture, Ecology, and Imperial Expansion at Angkor, Cambodia
- 4:00 Nathan Downey, Alan Farahani and Stephen Acabado—An Examination of Anthropogenic Burning in Old Kiyangan Village, Ifugao
- 4:15 Kimball Banks, Linda Scott Cummings, Signe Snortland and Maria Gatto—Turning the Desert Green: Reconstructing Late Paleolithic Vegetation at Wadi Kubbaniya, Upper Egypt
- 4:30 Lisa-Marie Shillito—Discussant
- 4:45 Questions and Answers

[230] POSTER SESSION ■ ANDEAN ARCHAEOLOGY

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 230-a Weston McCool—Coping with Conflict: Defensive Strategies and Chronic Warfare in the Prehispanic Nasca Region
- 230-b Matthew Biber—Preliminary Results of Paleoethnobotanical Analysis at Quilcapampa, a Middle Horizon Site in Arequipa, Peru
- 230-c Bryan Núñez Aparcana, Jorge Rodríguez Morales and Raúl Zambrano Anaya—An Andean Mountain Shrine: The Case of Balconcillo de Avillay, Huarochiri (Lima, Peru)
- 230-d Silvana Rosenfeld—Trade and Sacrifice: Osteometry, Skeletal Part Representation, and Paleopathology of Camelid Assemblages in the Central Andes
- 230-e Margaret Carpio, Patrick Mullins, Brian Billman and Rachael Lew—Movement and Vision: Reconstruction and Analysis of a Multi-occupation Fortified Site Complex in the Moche Valley
- 230-f Joseph Cronin, Anna Guengerich and Parker VanValkenburgh—Chacras in the Clouds: Documenting High-Altitude Agricultural Landscapes in the Tambillo Valley of Chachapoyas, Peru
- 230-g Terren Proctor and Steven A. Wernke—Mapping the Mines: Simulating Transit Routes between Mining Centers in the Colonial Andes with GIS
- 230-h Corey Bowen and John Janusek—Felines and Condors and Serpents, Oh My! Cataloging Zoomorphic Imagery in Tiwanaku Ceramics

[231] POSTER SESSION ■ SOUTH AMERICA I

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 231-a Francisco Rivera, Rodrigo Lorca, Paula González, Wilfredo Faundes and Karol González—Mineros del Alto Cielo: Social Space and Materiality during the Capitalist Expansion in the North of Chile (Ollagüe, Twentieth Century)
- 231-b Matthew Velasco, Loro Qianhui Pi and Tiffany A. Tung—Childhood Diets and Residential Mobility in the Late Intermediate Period, Colca Valley, Peru: A Study of Carbon and Oxygen Isotope Ratios from Dental Apatite
- 231-c Ashley Whitten and David Chicoine—Architecture and Spatial Organization of Urban Cercaduras at the Early Horizon Center of Caylán, Nepeña Valley, Peru

- 231-d Arman Gurule, Emily A. Schach and Jane E. Buikstra—Of Mummies and Guinea Pigs: An Analysis of Burial Contexts at Chiribaya Alta
- 231-e Corey Hoover, Patrick Mullins and Brian Billman—GIS and Drones in the Middle Moche Valley: An Analysis of Huaca Menocucho
- 231-f Michael D. Glascock—A Geochemical Database for Indigenous Ceramics from South America
- 231-g Jaime Swift, Rick J. Schulting, Juanita Oyanedel Perez, Violeta Abarca Labra and Nicole Fuenzalida Bahamondes—Precolumbian Diet and Subsistence Strategies in the Aconcagua Valley of Central Chile, from the Early Ceramic to Late Periods: Evidence from Stable Carbon ($\delta^{13}\text{C}$) and Nitrogen ($\delta^{15}\text{N}$) Isotopic Analyses
- 231-h Savanna Buehlman-Barbeau, Kristin Carline, Jennifer De Alba and Erik Marsh—Excavation and Survey in the Argentine Andes: Preliminary Field Report of the First IFR Field School in Uspallata, Mendoza
- 231-i Flavia Morello Repetto, Marta Alfonso-Durruty, Marianne Christensen, Luis Borrero and Manuel J. San Román—Cultural Interaction and Fuegian Islands Archaeology: Discussing Middle and Late Holocene (50° – 55° South Latitude, Chile)
- 231-j Sonia Alconini—Fertility, Water, and Rock Art on the Inka Imperial Fringes: The Valley of Mariana and Samaipata
- 231-k Taylor MacDonald, Natasha P. Vang and Tiffany A. Tung—Documenting Dietary Effects of Imperial Collapse and Drought: Bioarchaeology and Stable Isotope Analysis at Huari-Vegachayoq Moqo, Peru

[232] POSTER SESSION ■ SOUTH AMERICA II**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 2:00 PM–4:00 PM**Participants:**

- 232-a Kirk Costion and Donna Nash—Ceramic Differences at the Household/Neighborhood Level at Cerro Mejía: Evidence of a Possible Multiethnic “Mitmaqkuna” Community on the Southern Frontier of the Wari Empire
- 232-b Laura Van Voorhis, Valentina Martinez, Nicole Jastremski and John Krigbaum—Isotopes of Coastal Ecuador
- 232-c Amy Klemmer—Preliminary Faunal Analysis at the Coastal Site of Rio Chico, Ecuador (OMJPLP-170)
- 232-d Elizabeth Pintar and Nora V. Franco—Hunter-Gatherer Home Ranges in Arid Environments: Exploring Some of the Differences and Similarities
- 232-e Jordan Dalton and Nathaly Damián Domínguez—Inca Presence at Las Huacas, Chíncha Valley
- 232-f Carolina Belmar and Andrea Troncoso—Residues Analysis of Bedrock Mortars of the Limarí River Valley (Ivth Region, Chile): Evaluating Plant Exploitation among Late Holocene Hunter-Gatherers
- 232-g Roberta Boczkiewicz and Jean Hudson—Otolith Metrics and Fishing Strategies on the North Coast of Peru
- 232-h M. Elizabeth Grávalos and Rebecca E. Bria—Preliminary Compositional Analysis of Raw Clays and Ceramic Pastes from the Callejón de Huaylas, Highland Ancash, Peru (ca. 200–800 CE)
- 232-i Jean Hudson and Roberta Boczkiewicz—Rooms, Compounds, Alley Dumps, and Neighborhoods: Intrasite Zooarchaeology on Peru’s North Coast
- 232-j Hannah Matulek and Paul Nick Kardulias—An Examination of Ancestry: Exploring the Peopling of the Americas through Paleoindian Cranial Indices in Comparison with the Howells Collection
- 232-k Sophie Reilly—Plants in Ancient Pots: A Comparative Study of Paleoethnobotanical Results from Unwashed and Washed Ceramics

[233] POSTER SESSION ■ SOUTH AMERICA III

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 233-a Ryan Smith—Understanding an Alternative Pattern of Coalescence: A Study of Architecture and Organization at a Non-fortified, Pre-Inca Town in Highland Peru
- 233-b Melissa Litschi and Alexia Moretti—Remote-Sensing Prospection of Recuay Architecture in the Jancu Region, Callejón de Huaylas, Peru
- 233-c Manuel J. San Román, Víctor Sierpe, Jimena Torres, Cristóbal Palacios and Marianne Christensen—New Information on Marine Hunter-Gatherers of the Southernmost End of South America: Technological and Zooarchaeological Study of Site Bahía Mejillones 45, Chile
- 233-d Benjamin Schaefer, Bethany L. Turner and Haagen D. Klaus—Sacrifice Reconsidered: Interpreting Stress from Archaeological Hair at Huaca de los Sacrificios
- 233-e Felipe Gonzalez-Macqueen, Giles Spence-Morrow, Peter Bikoulis, Willy Yépez Álvarez and Justin Jennings—Spatial Analysis of Geoglyphs in the Sihuas Valley, Peru
- 233-f Shimaine Clem, Emily A. Schach and Jane E. Buikstra—The Gendering of Children at Chiribaya Alta
- 233-g Thomas Blennerhasset—Faces of the Feast: The Spatial Organization of Face-Neck Jars in the Jequetepeque Valley, Peru
- 233-h Shannon Lowman, Nicola Sharratt and Bethany L. Turner—Social Transition at Tumilaca la Chimba: A Bioarchaeological Analysis of Terminal Middle Horizon and Late Intermediate Period Mortuary Contexts
- 233-i Sheridan Lea, Natasha P. Vang and Tiffany A. Tung—Rural Life during and after the Fall of the Wari Empire: A Stable Isotope Analysis of Childhood Diet and Geographical Origins at the Village of Qasa Pampa, Ayacucho, Peru
- 233-j Ema Perea, Karla Patroni, Luis Jaime Castillo and Luis Muro—Lambayeque Burials in Huaca la Capilla—San Jose de Moro Site
- 233-k Paul Pluta—Cultural Responses to Climate Changes in Preceramic Coastal Peru

[234] POSTER SESSION ■ EUROPE III

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 234-a Amalia Perez-Juez, Kathryn Ness, Ricardo Elia, Meredith Anderson Langlitz and Ilaria Patania—Reconstructing Naval and Shipping Connections through Ceramic Analysis from Isla del Rey, Menorca, Spain
- 234-b Alena Wigodner—Being a Woman in Roman Gaul: Gendered Votive Offerings in a Colonial Context
- 234-c Anna Tremblay and Daniel E. Ehrlich—7 × 105 Dimensions of Pottery: Multivariate Analyses of Pottery Assemblages from the Lower Town Site of Mycenae, Greece
- 234-d Phoebe Yates—The Ottoman Rule of Athens and How It Shaped the Topography of the Acropolis
- 234-e Paul Nick Kardulias and Drosos N. Kardulias—Fluid Ethnoarchaeology: A Study of British-Era Water Fountains in Athienou, Cyprus
- 234-f William Ridge—On We Sweep with Thrashing Oar: Interaction Networks in Aegean Prehistory
- 234-g Wendy Cegielski—Chronology and Social Process in Bronze Age Spain

[235] POSTER SESSION ■ BIOARCHAEOLOGICAL RESEARCH IN EUROPE**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 2:00 PM–4:00 PM**Participants:**

- 235-a Melissa Clark—Interpreting the Archaeology of Pregnancy Loss
- 235-b Sharon DeWitte—Sex Differences in Pre- versus Post-Black Death Trends in Developmental Stress Markers
- 235-c Marija Edinborough, Sarah Fearn, Imre Lengyel, Dusan Boric and Kevan Edinborough—Life History from Human Teeth Microstructure: Methods for the Analysis of Hydroxyapatite from Tooth Cementum
- 235-d Luisa Marinho, Shera Fisk, Ellie Gooderham, Laure Spake and Hugo Cardoso—The Effects of Bilateral Asymmetry in Long Bone Length on Juvenile Age Predictions
- 235-e John Albanese—Skeletal Evidence Suggesting Biological Continuity in the Ruling Lineage throughout the Late Helladic, Sub-Mycenaean, and into the Dark Ages on the Greek Island of Kefalonia
- 235-f Agata Kostrzewa—Will Your Childhood Years Kill You Earlier? A Study Exploring the Relationship between Height, Stress, and Age at Death
- 235-g Ellie Gooderham, Luisa Marinho, Laure Spake, Shera Fisk and Ana Luisa Santos—Severe Skeletal Lesions and Loss of Bone Mass in a Child Associated with a Case of Spinal Tuberculosis and Prolonged Immobilization

[236] GENERAL SESSION ■ CURRENT RESEARCH IN MESOAMERICAN ARCHAEOLOGY I**Room:** West Meeting Room 204 (VCC)**Time:** 2:30 PM–5:00 PM**Chair:** Leah McCurdy**Participants:**

- 2:30 Jessica MacLellan and Daniela Triadan—Child Burials and Figurines at a Terminal Classic Maya Household, Ceibal, Guatemala
- 2:45 Sydney Lonaker, Julie Hoggarth and Jaime Awe—Methods for Intensive Data Collection on Terminal Deposits in the Belize River Valley, Belize
- 3:00 Yamile Lira-Lopez—Cerámica Mayólica en un Sitio Posclásico del Valle Intermontano de Maltrata, Veracruz
- 3:15 Leah McCurdy—Solid Foundations: Practical and Symbolic Significance of Bedrock at El Castillo Acropolis of Xunantunich, Belize, in the Maya Central Lowlands
- 3:30 Akira Ichikawa—A Revised Chronology of the Southeastern Maya Area: An Evaluation of New and Existing Radiocarbon Dates from the Preclassic to Postclassic Period
- 3:45 Jonathan Rosas—¿Un Jorobado Enano? Una Pintura de Bóveda en el Sitio Arqueológico de Sacnicté, Yucatán
- 4:00 Meaghan Peuramaki-Brown and Linda Howie—Precolumbian Ceramics in East-Central Belize: A Petrographic Characterization Study
- 4:15 Catharina Santasilia—Exploring Ceramic Variability at Tlatilco, Mexico
- 4:30 Misaki Fukaya and Nobuyuki Ito—Estudio Cronológico de Chalchupa, El Salvador a través del Análisis Cerámica del Período Preclásico
- 4:45 Luis Gomez-Gastelum, Victor Landa-Jaime and Emilio Michel-Morfin—Conquiliología en Arqueología, o “Cómo Trabajar Materiales Arqueológicos de Concha Sin Morir en el Intento”

[237] SYMPOSIUM ■ CASAS GRANDES: ADDRESSING KEY ISSUES OF CHRONOLOGY, CULTURE CHANGE, SOCIAL ORGANIZATION, AND EXCHANGE

Room: East Meeting Room 10 (VCC)

Time: 2:45 PM–5:00 PM

Chairs: Adrienne Offenbecker and Kyle Waller

Participants:

- 2:45 Michael Searcy, Todd Pitezal and Eric Christiansen—Sourcing Basalt from the Santiago Quarry in Chihuahua, Mexico Using XRF
- 3:00 Emma Britton, George Gehrels and Mark Pecha—Results of a New Method for Characterizing Casas Grandes Polychromes
- 3:15 Andrew Krug, Andrew Fernandez, Brenton Willhite, Christine VanPool and Clayton Blodgett—From Plain Wares to Polychromes: A Geospatial Evaluation of Ceramics in the Casas Grandes Region
- 3:30 Andrew Fernandez—I Know Why the Caged Parrot Squawks: A Distributional Analysis of Casas Grandes Macaw Cage Stones and the Organization of a Ceremonial Industry
- 3:45 Mary A. Katzenberg, Jane H. Kelley, Adrienne Offenbecker, Cormac McSparron and Paula Reimer—New AMS Dates for Paquimé, Northern Chihuahua, Mexico
- 4:00 Adrienne Offenbecker, Kyle Waller, Jane H. Kelley and Mary A. Katzenberg—Culture Change at Casas Grandes: New Perspectives from Bioarchaeological Analyses
- 4:15 Kyle Waller and Adrienne Offenbecker—Bioarchaeological Approaches to Kinship and Social Organization at Paquimé
- 4:30 Thatcher Rogers and Elizabeth Peterson—From Medio to Missionization: A Comparison of Lithic Technology in the Casas Grandes Valley into the Protohistoric Period
- 4:45 Questions and Answers

[238] SYMPOSIUM ■ ECOLOGICAL ADAPTATIONS AND NEW FORMS OF PASTORALISM? NEW INSIGHTS INTO HERDING PRACTICES IN THE ANDES DURING THE PREHISPANIC TIMES

Room: East Meeting Room 17 (VCC)

Time: 2:45 PM–5:00 PM

Chairs: Nicolas Goepfert and Elise Dufour

Participants:

- 2:45 Nicolas Goepfert, Gabriel Prieto and John Verano—Herds for Gods? Sacrifice and Camelids Management during the Chimú Period
- 3:00 Elise Dufour, Nicolas Goepfert, Gabriel Prieto and John Verano—Geographic Origin of Sacrificed Camelids at Huanchaquito (Chimú Period, Northern Coast of Peru): Insight from Stable Isotopic Analysis
- 3:15 Matthieu Le Bailly, Nicolas Goepfert, Gabriel Prieto and John Verano—Gastrointestinal Parasites of the Camelids of the Archaeological Site of Huanchaquito (Peru): First Results
- 3:30 Aleksa Alaica—The Health of the Herd: Considering Camelid Herding from Late Moche Peru
- 3:45 Kazuhiro Uzawa, Mai Takigami and Yuji Seki—Beginning of Camelid Breeding during the Formative Period at the Pacopampa site, Peru
- 4:00 Sadie Weber—Life on the “Periphery”: Pastoralism at Atalla
- 4:15 Susan deFrance—The Political Ecology of Camelid Pastoralism by Wari and Tiwanaku Colonists in the Moquegua Valley, Peru
- 4:30 Kevin Lane and Jennifer Grant—Pastoralisms of the Andes: A Southern and Central Andean Perspective
- 4:45 Celeste Samec, Hugo Yacobaccio and Héctor Panarello—Assessing Prehistoric Herding Strategies through Stable Isotope Analysis: A Case Study from the Dry Puna of Argentina

[239] FORUM ■ ARCHIVING US: COLLECTING ORAL HISTORIES FOR TOMORROW'S HISTORY OF AMERICAN ARCHAEOLOGY*(Sponsored by History of Archaeology Interest Group)***Room:** East Meeting Room 5 (VCC)**Time:** 3:00 PM–5:00 PM**Moderator:** Dana B. Oswald**Participants:**

Katie V. Kirakosian—Discussant

Bernard Means—Discussant

Dana B. Oswald—Discussant

[240] SYMPOSIUM ■ WHEEL OF FORTUNE: CERAMIC ANALYSIS AND THE STUDY OF TECHNOLOGY, EXCHANGE, AND SOCIOPOLITICAL CHANGE IN THE MEDITERRANEAN AND GREATER NEAR EAST**Room:** West Meeting Room 209 (VCC)**Time:** 3:00 PM–5:00 PM**Chair:** Christine Johnston**Participants:**

3:00 Trevor Van Damme—Transport Stirrup Jars in Context: Post-palatial Politics and Social Resilience in Late Bronze Age Greece

3:15 Sonali Gupta-agarwal—Keepers of Tradition, Harbingers of Change: Tracing Communities of Practice through Archaeological Ceramics

3:30 Megan Daniels, Justin Leidwanger, Elizabeth Greene and Numan Tuna—A Finer View of Regional Sociopolitical and Economic Change in the Southeast Aegean: Ceramic Production along the Datça Peninsula

3:45 Questions and Answers

4:00 Dennis Braekmans, Brett Kaufman, Hans Barnand and Ali Drine—Provenance and Distribution of Neo-Punic Ceramics at Zita, Southern Tunisia, and Beyond

4:15 Christine Johnston—Reinventing by the Wheel: Ceramic Networks and New Approaches to the Study of Political Economies

4:30 Jacob Damm—Consumption Preferences at the Collapse of Empire: The Case of New Kingdom Jaffa

4:45 Mara Horowitz—You Are How You Eat: Changes in Dining Style and Society at Late Bronze I Alalakh

[241] GENERAL SESSION ■ EASTERN WOODLANDS ARCHAEOLOGY**Room:** West Meeting Room 203 (VCC)**Time:** 3:15 PM–5:00 PM**Chair:** Jason King**Participants:**

3:15 Luke Stroth—The Effect of Raw Material on Technological Organization and Recycling Practices in a Late Woodland Rockshelter

3:30 Taylor Thornton, Jason King, Jason Herrmann and Jane E. Buikstra—Marking and Maintaining Empty Spaces: A View from the Golden Eagle Site

3:45 C. Trevor Duke and Martin Menz—Economic Intensification and Social Differentiation: A View from the Late Woodland Southeast

4:00 Cayla Colclasure, Martin Walker and David Anderson—Defining the Local Experience: A Distributional Analysis of Late Prehistoric Activities at the Topper Site (38AL23)

4:15 Jason King and Jane E. Buikstra—Sculpting, Renewal, and Perdurance of Illinois Hopewell Mounds

4:30 S. Andrew Wise—Midden Muddle

- 4:45 Timothy Everhart—Woodland Systematics and Monumentality: A Preliminary Discussion of the Rediscovery of the Caldwell Mound

[242] SYMPOSIUM ■ MAKING A “-CENE”: ARCHAEOLOGY, POLITICS, AND THE ANTHROPOCENE

Room: East Meeting Room 19 (VCC)
Time: 3:30 PM–5:00 PM
Chair: Hannah Chazin

Participants:

- 3:30 Andrew Bauer and Erle Ellis—The Anthropocene Divide: Obscuring Our Understanding of Socio-Environmental History
3:45 Sarah Baires—The Politics of Urbanization and the Anthropocene: A View from Cahokia
4:00 Catherine Kearns—On Some Classical Roots of the Anthropocene: Where Does Mediterranean Archaeology Belong?
4:15 Mary Weismantel—Ontologies of Water: Intensities and Magnitudes
4:30 Matthew Knisley—Deep Time versus Archaeological Time: Disentangling Stratigraphy, Periodization, and Historical Narrative
4:45 Hannah Chazin—Is the Anthropocene a Beastly Problem? Thoughts on Human-Animal Relationships and Contemporary Narratives of Change

[243] GENERAL SESSION ■ MAPPING THE MAYA WORLD

Room: East Meeting Room 14 (VCC)
Time: 3:30 PM–5:00 PM
Chair: Eric Fries

Participants:

- 3:30 Thomas Harold Guderjan, Sara Eshleman, Justin Telepak, Samantha Krause and Timothy Beach—Que Linda Vista! The First Glance at Lidar from Northwestern Belize
3:45 Shane Montgomery and Jaime Awe—Beneath the Blue-Green Trees: Understanding the Built Environment of Yaxox through Lidar Analysis
4:00 William Ringle, Tomás Gallareta Negrón and Dan Griffin—Lidar-Aided Ground Survey in the Puuc Hills, Yucatán, Mexico
4:15 Verna Gentil, Elijah J. Hermit, Jeffery B. Glover and Dominique Rissolo—Recent Investigations at the Ancient Maya Port Site of Conil, Quintana Roo, Mexico
4:30 Eric Fries and John Morris—What Lies between Two Regions: Settlement and Landscape Archaeology at the Aguacate Sites, Belize
4:45 Samantha Krause, Timothy Beach, Sheryl Luzzadder-Beach, Thomas Harold Guderjan and Colin Doyle—New Frontiers in Wetland Archaeology: Mapping Maya Agricultural Systems with Lidar

[244] GENERAL SESSION ■ ZOOARCHAEOLOGY OF THE ANCIENT NEAR EAST

Room: East Meeting Room 9 (VCC)
Time: 3:30 PM–5:00 PM
Chair: Hannah Lau

Participants:

- 3:30 Max Price—Animal Husbandry at Late Chalcolithic Tell Surezha (Iraqi Kurdistan)
3:45 Siavash Samei, Deborah Olszewski and Natalie Munro—Zooarchaeological Investigation of Late Pleistocene Subsistence Adaptations in Iran
4:00 Kathryn Grossman—Animals and Urbanization in Northern Mesopotamia: Late Chalcolithic Faunal Remains from Hamoukar, Syria

- 4:15 Hannah Lau—Experimentations in Social Complexity: The Halaf Period and Evidence from Domuztepe
- 4:30 Miriam Belmaker and Ekaterina Sevastakis—Taphonomic Analysis of the Small Mammal Assemblage of Hayonim E: Implications for Paleoecology of the Southern Levant during MIS 6
- 4:45 Stephen Rhodes—Early Holocene Taphonomy of Nachcharini Cave, Lebanon

[245] GENERAL SESSION ■ “US” AND “THEM”: THE BIOARCHAEOLOGY OF BELONGING

Room: East Meeting Room 11 (VCC)

Time: 3:30 PM–5:00 PM

Chair: Katharine Kolpan

Participants:

- 3:30 Kent Johnson—Multiethnic Colonial Communities and Endogamy: Evaluating the Dual Diaspora Model of Moquegua Tiwanaku Social Organization
- 4:00 Kristina Solis—Strontium Stable Isotope Ratio Analysis of the Loma Sandia Archaic Period Mortuary Site of South Texas
- 4:15 Katharine Kolpan—If the Dead Could Return: The Politics of World War II–Era Human Remains in Eastern Europe
- 4:30 Sarah E. Hoffman—Place, Practice, and Pathology: Dental Pathology in Medieval Iceland
- 4:45 Vaughan Grimes, Alison J T Harris, Ana T. Duggan, Stephanie Marciniak and Hendrik Poinar—Strontium and Oxygen Isotope Evidence for Maritime Archaic Mobility Patterns at the Site of Port Au Choix-3, Newfoundland

[246] GENERAL SESSION ■ PUBLIC ARCHAEOLOGY II

Room: East Meeting Room 20 (VCC)

Time: 3:30 PM–5:00 PM

Chair: Anabella Coronado

Participants:

- 3:30 Karin Steuber, Tomasin Playford and Biron Ebell—Saving the Best 'til Last (Day in the Field): The Farr Site Community Archaeology Project
- 3:45 Kevin M. O'Briant—Make History: Public Archaeology as a Way of Life
- 4:00 Amalia Nuevo Delaunay and Javiera Letelier Cosmelli—Archaeology of Smoking Behaviors on Public Parks of Santiago, Chile
- 4:15 Theo Shaheen-McConnell—Crystal Creek Water Ditch: From Past to Present and Future
- 4:30 Anna Schneider—“The Best Conference I’ve Ever Been To”: A Case Study in Science Communication Training
- 4:45 Lisa Milosavljevic—The Archaeologist’s Guide to Visual Communications

[247] GENERAL SESSION ■ REPATRIATION ISSUES AND OPTIONS FOR MUSEUMS AND COLLECTIONS MANAGEMENT

Room: East Meeting Room 18 (VCC)

Time: 3:45 PM–5:00 PM

Chair: Chelsea Meloche

Participants:

- 3:45 Lindsay Foreman—CRM Archaeology and Collections Management: A Comparison between Two Canadian Provinces

- 4:00 Eve Dewan—Repatriation in Rhode Island: NAGPRA in Practice at a New England Museum
- 4:15 Chelsea Meloche—Finding Skeletons in Our Closets: Legacy Collections and Repatriation
- 4:30 Marie Johnson—If It Were Your Grandma: A Tribal Perspective on NAGPRA in Utah
- 4:45 Genevieve Hill—Archaeological Repositories in British Columbia

[248] GENERAL SESSION ■ RECENT ZOOARCHAEOLOGICAL RESEARCH II

Room: East Meeting Room 4 (VCC)

Time: 3:45 PM–5:00 PM

Chair: Sarah Ledogar

Participants:

- 3:45 Sarah Ledogar and Jessica Watson—Testing the Effectiveness of 2D Morphometric Data for Identifying Species in Galliformes
- 4:00 Cassidee A. Thornhill—*Equus ferus caballus* during the Protohistoric in Wyoming: Looking for the Horse in the Archaeological Record
- 4:15 Anna Goldfield—The Fat of the Land: An Energetics Approach to Paleolithic Bone Fat Exploitation
- 4:30 Stefanie Smith—Privy Perspectives: The Zooarchaeology of Urban Mobile and Its Nineteenth-Century Occupants
- 4:45 Jenna Carlson Dietmeier—Carolina's Cattle: Eighteenth-Century Livestock Production at Drayton Hall

[249] GENERAL SESSION ■ DATING DEVELOPMENTS IN NORTH AMERICA

Room: East Meeting Room 16 (VCC)

Time: 3:45 PM–5:00 PM

Chair: Kenneth Tankersley

Participants:

- 3:45 Deborah Roman—New AMS Dating Sequences for the Chumash Ventureno Early Period: Revisiting the Question of Antiquity of Ventureno Chumash Inland Occupation
- 4:00 Michael Strezewski and Darrin Rubino—Dendrochronological Dating of a Burned Native American Structure at Fort Ouiatenon, Indiana
- 4:15 Kenneth Tankersley—Removal of Coal Contaminants from Chaco Canyon Radiocarbon Samples
- 4:30 Courtney Boren—OSL Dating and Chronology in Pensacola, Florida's Contact Period
- 4:45 Scott Kremkau, Andrew Yatsko and Kenneth Becker—Revisiting San Clemente Island's Radiocarbon History