

Wednesday Evening ■ March 29, 2017

[1] **OPENING SESSION**

**FORUM ■ PRESIDENT'S FORUM: CLIMATE CHANGE, ARCHAEOLOGY, AND COMMUNITY ENGAGEMENTS**

**Room:** East Ballroom ABC (VCC)

**Time:** 6:30 PM–8:30 PM

**Moderator:** Diane Gifford-Gonzalez

**Participants:**

Sandra Pentney—Discussant  
Margo Schwadron—Discussant  
Joanna Hambly—Discussant  
Isabel Rivera-Collazo—Discussant  
Paul Backhouse—Discussant

Thursday Morning ■ March 30, 2017

[2] **SYMPOSIUM ■ WHEN DISASTER STRIKES: ENVIRONMENTAL IMPACTS ON COLLECTIONS PRESERVATION**

*(Sponsored by SAA Museums, Collections, and Curation Committee and SAA Climate Change Strategies and Archaeological Resources Committee)*

**Room:** West Meeting Room 209 (VCC)

**Time:** 8:00 AM–9:30 AM

**Chairs:** Heather Thakar and Michele Koons

**Participants:**

8:00 Heather Thakar—Finding our Way Forward: Collections Management in a Changing World  
8:15 Anne Jensen—Walakpa as Case Study: Rescuing Heritage and Data from a Vanishing Site  
8:30 Robert Sonderman and Stefan Woehlke—Our Collections at Risk: Climate Change Threats to NPS Museum Property  
8:45 David Rosenthal and Kerry Button—Disaster Struck: Smithsonian Museum Support Center Earthquake Response and Recovery  
9:00 Sara Wolf—Emergency Response PTSD, Climate Change Denial, and Resiliency: The New World Disorder  
9:15 Danielle Benden—Discussant

[3] **GENERAL SESSION ■ OLMEC ARCHAEOLOGY**

**Room:** East Meeting Room 20 (VCC)

**Time:** 8:00 AM–9:45 AM

**Chair:** Tara Smith

**Participants:**

8:00 Jeffrey Dobereiner and Rebecca B. Gonzalez Lauck—Voted Off the Olmec Island: Remote Sensing and Regional Reconnaissance Surrounding La Venta, Tabasco, Mexico  
8:15 Helen Haines and Kerry Sagebiel—"What's in a Name?": Questioning the Idea of Olmec Origins for Jade Spoons  
8:30 Tara Smith—Cosmic Ventures of the Olmec Dwarf: An Analysis of the Dispersal and Transformation of Dwarf Imagery within Olmec Iconography  
8:45 Henri Bernard and Sara Ladrón de Guevara—Olmecs Masks in the Region of Arroyo Pesquero  
9:00 Hirokazu Kotegawa—Trono Olmeca de Estero Rabón

- 9:15 Brendan Stanley—Olmec of the Periphery: The Dawning of Creation in the Central Mexican Highlands during the Middle Formative
- 9:30 Alfredo Saucedo—Entre dos Épocas: Laguna de los Cerros y la Transición del Preclásico Temprano al Preclásico Medio

**[4] ELECTRONIC SYMPOSIUM ■ DEVELOPING APPROACHES IN THE STUDY OF PREHISTORIC COPPER IN NORTH AMERICAN ARCHAEOLOGY**

**Room:** East Meeting Room 4 (VCC)

**Time:** 8:00 AM–10:00 AM

**Chair:** Mark Hill

**Participants:**

Kevin Nolan—Direct Comparison of LA-ICP-MS and Handheld XRF Elemental Analysis of Copper Artifacts: A Methodological Case Study in the Exploration of Hopewell Valuables Exchange Systems

Laure Dussubieux—External Standards for the LA-ICP-MS Analysis of North American Copper Artifacts: Looking at Different Approaches

Gregory Lattanzi—Getting to the Source: Copper Characterization, Prehistory, and the Question of Interpretation

Mark Hill—Elemental Analysis of Late Archaic Copper from the McQueen Shell Ring, St. Catherines Island, Georgia

Mark Seeman—Shifting the Interpretation of Ohio Hopewell Copper Use

H. Kory Cooper—Native Copper Innovation in the North

Lenore Thompson—Biographies of Northwest Coast Copper: A Material Investigation

Jacqueline Pozza—Cultivating Methods for New Conclusions: An Analysis of Oneota Copper Artifacts of the Lake Koshkonong Region in Southeastern Wisconsin

Kathleen Ehrhardt—Current Approaches to the Study of Late Prehistoric North American Copper Materials: Contributions from the Hoxie Farm Site, Cook County, Illinois

Colin Quinn—Toward a Deep History of Southern Appalachian Copper Mining: New Agendas and Approaches

Robert Ahlrichs—Collecting Copper and Systematic Archaeological Analysis

Casey Campetti—Metal Sensing and Indigenous Copper from Isle Royale National Park and Gila National Forest

**[5] ELECTRONIC SYMPOSIUM ■ THE SOCIAL USES OF FOOD IN ANCIENT MAYA CULTURE**

**Room:** East Meeting Room 5 (VCC)

**Time:** 8:00 AM–10:00 AM

**Chairs:** Traci Ardren and Shanti Morell-Hart

**Participants:**

M. Kathryn Brown—Pot Luck: Building Community and Feasting among the Middle Preclassic Maya

Kitty Emery—Exchanging and Sharing Food in the Classic Maya polity of Motul de San José

Terry Powis—A Toast to the Gods and Ancestors: The Role of Beverages in Classic Maya Elite Cave Ritual in West Central Belize

George J. Bey—2,000 Years of Eating: Continuity and Change in Food Practices among the Puuc Maya

Marc Zender—A Diachronic Interdisciplinary View of Maya Foodways

Petra Cunningham-Smith—Old Dogs, New Tricks: Tracking Dog Management in the Ancient Maya World

Líliá Fernández Souza—Food and Foodways at Sihó, Yucatán: Understanding Socioeconomic Diversity

Julia Hendon—Fine Dining and Social Position among the Classic Period Maya and Their Neighbors in Honduras

Marilyn Masson—Urban Carnivores, Rural Vegetarians? Faunal Discrepancies over Time and Space at Mayapán

**[6] FORUM ■ ADVANCEMENTS AND PROSPECTS IN GEOARCHAEOLOGY TODAY: THE SAA GIG AT 20, PART 1**

*(Sponsored by Geoarchaeology Interest Group)*

**Room:** East Meeting Room 7 (VCC)

**Time:** 8:00 AM–10:00 AM

**Moderator:** Ian Buvit

**Participants:**

Kara A. Fulton—Discussant  
Daniel H. Sandweiss—Discussant  
Joseph Schuldenrein—Discussant  
Jennifer Kielhofer—Discussant  
Michael Waters—Discussant  
Jessi Halligan—Discussant  
Owen Mason—Discussant  
Jasmine Kidwell—Discussant  
Julie Stein—Discussant

**[7] POSTER SESSION ■ CURRENT RESEARCH IN MESOAMERICA I**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 8:00 AM–10:00 AM

**Participants:**

- 7-a Juan Sereno-Uribe—Excavation and Architecture of Gualupita Morelos  
7-b Dennis Lewarch—Calibrating Variation in Domestic Midden Assemblages among Aztec Period Households in Western Morelos  
7-c Asia Alsgaard—The Utility of Nestedness in Zooarchaeological Assemblages: A Study from the Northern Maya Lowlands  
7-d Caitlin Davis—Flower and Song: Exploring Literacy in Postclassic Mesoamerica  
A Elijah J. Hermitt and Kirk French—The Palenque Pool Project: An Energetic Analysis of Monumental Construction Costs  
7-f Gavin Wisner, Katie Tappan, Dylan Wilson, Chrissina C. Burke and Norbert Stanchly—Animal Use in Ancient Maya Terminal Deposits: Examining Faunal Remains from Sites in the Belize Valley to Identify Ritual Activities  
7-g Bernadette Cap—Implications for Spinning Thread in a Marketplace at the Classic Maya Site of Xunantunich, Belize  
7-h Sylvia Batty, Rebecca Friedel and Leah McCurdy—To the Mountain: Heritage Preservation through Archaeological Literacy in San Jose Succotz, Belize  
7-i Heather McDonough, Zachary Hall and David M. Hyde—A Method for Identifying Surface Scatters in the Jungles of Belize: A Case Study from the Medicinal Trail Community  
7-j Thania Ibarra and Aurelio López Corral—Thread Production in Late Postclassic Tepeticpac, Tlaxcala: A Technological and Experimental Study of Archaeological Spindle Whorls  
7-k Aarón Felipe Lopez—Petroglyph Panel in Tlaltetela, Veracruz, Mexico  
7-l Theresa Heindel—Ancient Maya Agricultural Techniques: Investigations of Possible Terracing at the Site of Actuncan, Belize  
7-m Jeremias Pink, Ronald K. Fauseit and Carlos Rojas Ortiz—Domestic Production and Use of Mold-Made Whistles and Figurines in Late Classic Oaxaca, Mexico

**[8] POSTER SESSION ■ BIOARCHAEOLOGY IN MESOAMERICA****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 8-a Diana Moreiras Reynaga, Jean-Francois Millaire and Fred Longstaffe—Where Did the Sacrificial Subjects Live? An Oxygen Isotope Study of Individuals Sacrificed by the Aztecs during the Late Postclassic Period
- 8-b C. L. Kieffer and Jack Baker—Statistically Comparing Demographic Distributions of Mortuary Assemblages
- 8-c Sofia Pacheco-Fores, Christopher Morehart, Elise Alonzi, Gwyneth Gordon and Kelly Knudson—Expanding Radiogenic Strontium Baseline Data for Central Mexican Paleomobility Studies
- 8-d Gina Buckley, Rebecca Storey, Scott Hynek, Kenneth G. Hirth and Douglas J. Kennett—Diet and In-Migration in the Tlajinga District of Teotihuacán: New Insights from Stable Isotope Analysis and AMS Radiocarbon Dating
- 8-e Seth Winstead, Katherine Miller Wolf and Hannah Plumer—Estimating Sex from Bones of the Hands and Feet: A Bioarchaeological Study of the Ancient Maya Site of Blue Creek, Belize
- 8-f Lauren Woolwine, Lucy Atha, Nicholas Shepetuk, Hannah Plumer and Katherine Miller Wolf—Keeping It in the Family? An Investigation into the Relatedness of Individuals Found in an Ancient Maya Chultún

**[9] POSTER SESSION ■ CURRENT RESEARCH IN MESOAMERICA II****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 9-a Katharine Williams—Plumbate and Imitations
- 9-b Bianca L. Gentil—What Does “Collapse” Look Like for Hinterland Sites: Site Distribution and Settlement Pattern in the Valley of Puebla Tlaxcala during the Classic-Postclassic Transition
- 9-c Michael Callaghan, Daniel Pierce and William Gilstrap—Integrated Compositional Analysis of Lowland Maya Middle Preclassic pottery at Holtun, Guatemala
- 9-d Kaitlin Crow, George J. Micheletti and Terry Powis—From the Known to the Unknown: Exposing a Middle Preclassic Maya Power Structure at Pacbitun, Belize
- 9-e Rebekah Vermillion, Miguel Delgado Ku and Timothy Hare—Mapping and 3D Modeling of a Terminal Postclassic Site in the Northern Yucatán
- 9-f Cira Martínez Lopez, Cira Martínez López and Robert Markens—La Greca Escalonada como Símbolo del Poder Político en Oaxaca Prehispánico
- 9-g Brian McKee and Christopher Taylor—Shadows of War, Shadows of Peace: Sites from El Salvador’s Civil War
- 9-h Douglas J. Kennett and Brendan Culleton—Studying Past Human-Environment Interactions with High Precision AMS 14C at Penn State
- 9-i Alexis Hartford and Sarah Loomis—Modeling Hands: Photogrammetric Analysis of Hand Imprints in Ceramic Vessels from Copán, Honduras
- 9-j Kate Richey and Geoffrey McCafferty—The Function of Candeleros and the Enigmatic Relationship between Teotihuacán and Honduras
- 9-k Beverly Chiarulli, Eleanor King, Anne Pyburn and Anabel Ford—A Comparison of Expedient Tools from Four Sites in Belize
- 9-l Karen Pierce and Elizabeth Graham—Late to Terminal Classic Changes in Architecture and Caching Patterns at Structure N10–15 in the N10[3] Palace Group at Lamanai, Belize
- 9-m Zebulon Hart, Mitchell Grothaus and Timothy Hare—UAV-Based Mapping and 3D Modeling of Maya Sites in the Northern Yucatán

- 9-n Mitchell Grothaus, Zebulon Hart and Timothy Hare—UAV-Based 3D Modeling of Excavations in Mayapán's Periphery
- 9-o Madison Cissell, Carlos Peraza Lope and Timothy Hare—Mapping and 3D Modeling of Mayapán's Monumental Center

**[10] POSTER SESSION ■ PROCESOS POLÍTICO-ECONÓMICOS DE LA COSTA DEL GOLFO MESOAMERICANA**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 8:00 AM–10:00 AM

**Chairs:** Lourdes Budar and Marcie Venter

**Participants:**

- 10-a Virginia Arieta Baizabal and Ann Cyphers—Densidad Poblacional y Sus Implicaciones Socio-económicas en la Primera Capital Olmeca de San Lorenzo, Veracruz
- 10-b Mariela Viridiana Madrid González—Los Campos de Basalto de la Zona Costera de la Sierra de Santa Marta
- 10-c Gibrán Becerra—Las Huellas del Poder: Estrategias Políticas en el Este de Los Tuxtlas, Veracruz
- 10-d Mauricio Cuevas—La Aplicación de Esquemas de Comunicación en las Investigaciones de Rutas Terrestres: Un Caso al Este de Los Tuxtlas
- 10-e Marimar Becerra Alvarez—Sistemas de Almacenamiento en un Puerto Prehispánico: Consideraciones Generales
- 10-f Lourdes Budar and Sara Ladrón de Guevara—Los Puertos Prehispanicos y los Problemas Político-Económicos en la Costa Este de Los Tuxtlas, Veracruz
- 10-g Marcie Venter, Daniel Pierce, Michael D. Glascock, Tiffany Franklin and Caitlyn Housley—Not So Strange Strangers in a Strange Land?
- 10-h Alanna Ossa—Mapping the Development of Commerce: Social and Economic Processes in Middle Postclassic period Sauce, Veracruz, Mexico
- 10-i María del Rocío Vera Flores—El Suelo Arqueológico como Mercancía: Problemas Actuales sobre la Conservación Arqueológica en la Costa del Golfo

**[11] POSTER SESSION ■ ONGOING RESEARCH IN THE THREE RIVERS AREA OF THE SOUTHERN MAYA LOWLANDS**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 8:00 AM–10:00 AM

**Chairs:** Melanie Saldana and Ann Scott

**Participants:**

- 11-a Sharon Hankins, Yarely Meza and Cristina Gonzales—Firing Strategies: Experimental Pottery Technology Program for Belize
- 11-b Lauren Copeland—The Iconography of a Late Classic Polychrome Maya Vessel from Petén, Guatemala
- 11-c Jacqueline Fox, Skyler Claunch and David M. Hyde—Excavation of a Plaza Platform at Group A of the Medicinal Trail Community: A Hinterland Maya Site in Northwestern Belize
- 11-d Zachary Stanyard, Torin Power, Nathan Hayman, Griffin Larson and David M. Hyde—Excavations at Group F of the Medicinal Trail Community in Northwest Belize and Its Implications for Agricultural Processing
- 11-e David M. Hyde and Michael Stowe—Settlement Pattern Analysis at a Hinterland Community in Northwestern Belize: Results of the Medicinal Trail Reconnaissance and Mapping Project
- 11-f Ashley Booher and Brett A. Houk—Peri-Abandonment Deposits at Chan Chich, Belize

- 11-g Anastasia Kotsoglou and Andrew Crocker—Applied Digital Technologies and GIS Spatial Statistics at Tzak Naab, Northwestern Belize
- 11-h Melanie Saldana, Samantha Lorenz, Jocelyn Acosta and Marilyn Bueno—“What’s in that hole?” Engaging Subterranean Spaces in the Three Rivers Area of the Southern Maya Lowlands
- 11-i Michael Prout—Maya Child Sacrifice Via Cranial Punctures

**[12] POSTER SESSION ■ NEW RESEARCH IN WEST MEXICO: STATE OF MICHOACÁN**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 8:00 AM–10:00 AM

**Chair:** Cinthia M. Campos

**Participants:**

- 12-a Mijaely Castañón, Lissandra Gonzalez, Alejandro Valdes and José Luis Punzo—Characterization of Ceramics Uncovered in the Parota River Basin and Lake Sirahuen Basin, Michoacán, Mexico: Fluorescence Analysis in Ultra-Violet Light and Petrography in Thin Sheets
- 12-b Alejandro Valdes, Lissandra Gonzales, Mijaely Castañón and José Luis Punzo—Marine Shells and Green Stones as Funerary Objects from Tomb II, Tingambato, Michoacán
- 12-c Lissandra Gonzalez, José Luis Punzo, Mijaely Castañón and Alejandro Valdes—Ritualism and Metal Objects in Michoacán
- 12-d Miguel Alberto Ibarra López—A Paleopathological Analysis of Skeletal Remains Uncovered in La Cueva de los Hacheros, Turicato, Michoacán
- 12-e Marcelo Ibarra López—Use and Symbolism of Copper Axes in Tarascan Society during the Late Postclassic Period in Modern-Day Michoacán, Mexico

**[13] SYMPOSIUM ■ ALTICA: THE MILLENNIUM BEFORE TEOTIHUACÁN**

**Room:** East Meeting Room 10 (VCC)

**Time:** 8:00 AM–10:00 AM

**Chairs:** Deborah Nichols and Wesley Stoner

**Participants:**

- 8:00 Wesley Stoner and Deborah Nichols—The Altica Project: Reframing the Formative Basin of Mexico
- 8:15 Deborah Nichols and Wesley Stoner—The Role of Altica in Exchange and Interactions during the Early Middle Formative in Central Mexico
- 8:30 Dan Healan—Obsidian Procurement, Reduction Technology, and Utilization at Altica
- 8:45 Nadia Johnson and Kenneth G. Hirth—Altica and the Role of Middlemen in Formative Obsidian Exchange
- 9:00 Guillermo Acosta-Ochoa, Emily McClung de Tapia, Diana Martínez-Yrizar, Carmen Cristina Adriano-Morán and Jorge Cruz-Palma—Prehispanic Plant Remains from Altica, Teotihuacán Valley, Mexico
- 9:15 Jennifer Carballo and Oralia Cabrera—Altica Ceramics and Figurines: Stylistic and Chronological Analyses
- 9:30 Andrés Mejía Ramón and Luis Barba—Of Mud and Magnets: Archaeometric Prospection at the Site of Altica
- 9:45 Rebecca Storey, Gina Buckley and Douglas J. Kennett—A Glimpse of the People of Altica: Osteological and Isotopic/Radiocarbon Analysis

**[14] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY**

**Room:** West Meeting Room 204 (VCC)

**Time:** 8:00 AM–10:00 AM

**Chair:** Kimberlee S. Moran

**Participants:**

- 8:00 Courtney Mower, Anna Dhody, Kimberlee S. Moran and Shanana S. Tobe—  
Authentication of Museum-Curated Tsantsas Utilizing Next Generation  
Sequencing Technology
- 8:15 Dana D. Kollmann—"An Arson, A Wig, and a Murder": The Search for Patricia  
Calloway
- 8:30 Shanana S. Tobe, Courtney Mower, Anna Dhody, Carolyn Rando and Kimberlee  
S. Moran—Forensic Techniques to Investigate Museum and Archaeological  
Samples
- 8:45 Molly Kaplan—A Student's Perspective on the Unidentified Persons Project, San  
Bernardino, California
- 9:00 Craig T. Goralski—Is There Strength in Numbers? An Evaluation of the  
Complementary Roles of Archaeologists and Anthropologists in Forensic Contexts
- 9:15 Eric E. Young—Further Defining the Role of the Forensic Archaeologist
- 9:30 Kimberlee S. Moran—Searching for Standards: Federal Efforts Regarding Crime  
Scene Investigation with Input from Archaeology
- 9:45 Questions and Answers

**[15] SYMPOSIUM ■ THE VIKING PHENOMENON**

**Room:** West Meeting Room 206 (VCC)

**Time:** 8:00 AM–10:00 AM

**Chair:** Neil Price

**Participants:**

- 8:00 Neil Price—The Viking Phenomenon
- 8:15 Charlotte Hedenstierna-Jonson—Entering the Viking Age
- 8:30 John Ljungkvist—Centuries of Warrior Boat Graves: The Valsgårde Burial  
Ground
- 8:45 Ben Raffield—Bands of Brothers: The Sociopolitical and Military Organization of  
Viking Armies during the Ninth Century
- 9:00 Gareth Williams—The Size and Character of Viking Armies in the Light of Viking  
Camps from England and Ireland
- 9:15 Mark Collard, Ben Raffield and Neil Price—Religious Belief and Cooperation in  
Viking Societies
- 9:30 Andreas Hennius—Viking Age Tar Production and the Exploitation of the  
Outlands
- 9:45 Questions and Answers

**[16] SYMPOSIUM ■ PERSON, PLACE OR THING: ONGOING QUESTIONS AND EVIDENCE FOR  
NEW ENGLAND SETTLEMENT AND MATERIAL CULTURE**

**Room:** West Meeting Room 210 (VCC)

**Time:** 8:00 AM–10:15 AM

**Chair:** Ora Elquist

**Participants:**

- 8:00 Richard Boisvert—Settlement Organization of Paleoindian Caribou Hunters:  
Inferences from the Israel River Complex, Jefferson, New Hampshire
- 8:15 Bruce Rusch—Settlement Organization of Paleoindian Caribou Hunters:  
Inferences from the Other Side of the Valley—The Potter Site, Randolph, New  
Hampshire

- 8:30 Dianna Doucette—Style versus Occupation II: A Broader View of the Narrow Stemmed Tradition in Southern New England
- 8:45 Ora Elquist—A Fashionable Neighborhood: Archaic Settlement in Eastern Connecticut
- 9:00 Kristen Jeremiah—Campfire Stories: Defining Features at the Susquetonscut Brook Site 11 in Eastern Connecticut
- 9:15 John Kelly—A Pleasant Eighteenth-Century Surprise: The Postcontact Component of the SB 11 Site in Franklin, Connecticut
- 9:30 Erin Flynn—What Makes a Home? Searching for Wetus in Archaic New England
- 9:45 Mandy Ranslow and Sarah P. Sportman—Preliminary Results from a Late Archaic Site in Canaan, Connecticut
- 10:00 Daniel Forrest—Discussant

**[17] GENERAL SESSION ■ INDIGENOUS ARCHAEOLOGIES**

**Room:** West Meeting Room 202 (VCC)

**Time:** 8:00 AM–10:30 AM

**Chair:** Rick Budhwa

**Participants:**

- 8:00 Ian Kretzler—Locating Stories of Survivance within the Colonial Archive: Crafting New Accounts of Grand Ronde History
- 8:15 Peter Nelson—Decolonizing Archaeological Methodologies: The Making and Remaking of Research Practices with Tribal Communities
- 8:30 Sarah Smith, Cara Brendzy and Lisa Dojack—Archaeological Investigations at the Stō:ló Spiritual Site Uwqw'iles: The Restmore Caves site (DiRj-34)
- 8:45 Aviva Finkelstein, Wayne Point and Ben Jun—Developing Dialogue: A Developer, First Nation Band Member, and Archaeologist Discuss the Role of Meaningful Consultation in CRM
- 9:00 Susan Rowley, Leona Sparrow, Jordan Wilson, Larissa Grant and Jason Woolman—“Rerighting” History—časna?am: The City before the City
- 9:15 Kristina Bowie and Jillian Harris—Traditional Practices That Inform Cultural Competency in Archaeological Studies and Cultural Safety for First Nation Communities
- 9:30 Rick Budhwa, Dana Evaschuk, Donald Dixon and Jocelyn Franks—Green Lake Burial Grounds: An Unprecedented Collaboration in Shuswap Territory
- 9:45 Kenneth Holyoke, Susan Blair and Ramona Nicholas—Toponymical Indices to the Past Landscape and Resource Extraction along the Wolastoq and Its Environs
- 10:00 Joanne Hammond—How to Enact Reconciliation in British Columbia CRM
- 10:15 Danielle Kiesow—Reservation Archaeology in an NPS Setting: Native-White Relations and Land Use on the Grand Portage Reservation, 1854–1930

**[18] SYMPOSIUM ■ METHODS AND MODELS FOR TEACHING DIGITAL ARCHAEOLOGY AND HERITAGE**

**Room:** East Meeting Room 8 (VCC)

**Time:** 8:00 AM–11:00 AM

**Chair:** Ethan Watrall

**Participants:**

- 8:00 Bernard Means, Vinod Nautiyal, Mohan Naithani, Sudhir Nautiyal and Akanksha Rai—Building a Virtual Bridge Connecting Indian Himalayan Archaeology with a Virginia University and the World
- 8:15 Michael Carter, Jean Li and Alex Ferworn—Looting, Robotics, and Experiential Archaeology for Non-Archaeologists



- 8:30 Brandon Locke and Brian Geyer—LEADR at MSU: A Lab Approach to Digital Cultural Heritage in the Classroom
- 8:45 Heather Richards-Rissetto—A Course on “Digital Heritage Tools”: A Reflexive, Engaging, and Ever-Changing Pedagogical Experience
- 9:00 Francis McManamon—Online and In-Person Professional Training for Archaeological Data Management and Digital Curation
- 9:15 R. Carl DeMuth, Tim Goddard, Joshua J. Wells, Eric Kansa and Kelsey Noack Myers—Digital Archaeological Data in All the Classrooms: Case Studies Using the Digital Index of North American Archaeology (DINAA) for Teaching Digital Methods in Graduate and Undergraduate Curricula
- 9:30 Neal Ferris—Searching for Reflexivity in Digital Archaeology and Heritage
- 9:45 Jeffrey B. Glover, Brennan Collins, Robin Wharton and Marni Davis—Teaching Atlanta: Using Local Projects to Bring Digital Heritage into the Classroom
- 10:00 Katherine Cook and Meghan Burchell—Teaching Digital Archaeology as Public Anthropology: Models for Using Social Media and Technology to Move Beyond the Classroom
- 10:15 Sarah Whitcher Kansa, Shawn Graham and Eric Kansa—WTF Do API, JSON, CSV, and LOD mean? Instruction and Professional Development in Digital Archaeology
- 10:30 Ethan Watrall—Building Scholars and Communities of Practice in Digital Heritage and Archaeology
- 10:45 Questions and Answers

**[19] SYMPOSIUM ■ CONSTRUCTING ARCHAEOLOGY: MOVING SEX/GENDER AND SEXUALITY RESEARCH FROM THE PERIPHERY TO THE CENTER**

**Room:** East Meeting Room 9 (VCC)

**Time:** 8:00 AM–11:00 AM

**Chair:** Kirsten Vacca

**Participants:**

- 8:00 Kirsten Vacca—The Construction of Archaeological Practice: Sex/Gender and Sexuality on the Fringe
- 8:15 Dee Malcuit—Incorporating Sex/Gender and Sexuality Studies into General Education Curriculum
- 8:30 Geoffrey Taylor—Identity Intersectionality and Gender in the Archaeological Past and the Archaeologists’ Present
- 8:45 Chelsi Slotten—Engendering the Bioarchaeology of the Viking Age
- 9:00 Brenda Arjona—Gender and Obsidian Economy in Mesoamerica
- 9:15 Alexis Ohman—Hunting and/or Gathering: Gender and Fishing Practices in Polynesia
- 9:30 Summer Moore—What’s in a Dress? An Archaeological Collection of Kapa Cloth from Nineteenth-Century Nu’alolo Kai, Kaua’i Island, Hawai’i
- 9:45 Danielle Heinz—Built on Sand: The Historical Roots of Modern Queerphobia within Christianity
- 10:00 David G. Hyde—Let’s Hear It for the Boy: Masculinity, Manhood, and Archaeologies of Gender
- 10:15 Chelsea Blackmore—Discussant
- 10:30 Jennifer Kahn—Discussant
- 10:45 Questions and Answers

**[20] SYMPOSIUM ■ CITIES, LARGE VILLAGES, OR NEITHER? THE CONUNDRUM OF “MEGASITES” IN PREHISTORY****Room:** East Meeting Room 16 (VCC)**Time:** 8:00 AM–11:00 AM**Chair:** Nam Kim**Participants:**

- 8:00 Roland Fletcher—Here There Be Dragons: Trajectories and the Classification of Settlements
- 8:15 Nam Kim—The Co Loa Settlement: Biography of an Anomalous Place
- 8:30 John Chapman and Bisserka Gaydarska—Can Urban Agglomerations Be Seasonal, Low-Density, and Egalitarian? New Interpretations of the Ukrainian Trypillia Megasites
- 8:45 Innocent Pikirayi, Federica Sulas, Tendai Treddah Musindo and Elton Munyaradzi Sagiya—Great Zimbabwe’s Water
- 9:00 Tom Moore—Beyond Iron Age “Towns”: Examining Oppida as Examples of Megasites and Low-Density Urbanism
- 9:15 Mike Parker Pearson—Stonehenge: A Late Neolithic Megasite
- 9:30 Gregory Wilson and Timothy R. Pauketat—The Organizational Implications of Architecture at Moundville and Cahokia
- 9:45 Ruth Van Dyke—Chaco Canyon: Dispersed Settlement, Dialectical Tension, and the Rise of an Ancient Polity in the Southwest United States
- 10:00 Kirrily White—Large, Dispersed, Occupation Aggregates in Prehistory: A Global Comparative Analysis
- 10:15 Eduardo Neves—Discussant
- 10:30 Lisa Lucero—Discussant
- 10:45 Questions and Answers

**[21] SYMPOSIUM ■ SOME LIKE IT HOT: ANALYTIC DIVERSITY AND COMPLEMENTARITY IN THE EXPLORATION OF PAST COOKING AND CUISINE****Room:** East Meeting Room 18 (VCC)**Time:** 8:00 AM–11:00 AM**Chair:** Susan Kooiman**Participants:**

- 8:00 Susan Kooiman—Cooking and Cuisine: Culinary Clues and Contexts in the Archaeological Record
- 8:15 Alston Thoms—Learning from Earth-Oven Baking Experiments
- 8:30 Stephen L. Black and Charles W. Koenig—Investigating Hunter-Gatherer Earth Oven Intensification: A View from the Lower Pecos Canyonlands
- 8:45 Kristina Crawford—Prehistoric Cooking with Rock and Rock Substitutes in the Sacramento Valley, California
- 9:00 James Skibo—The Joys of Boiling
- 9:15 John Arthur, Matthew Curtis, Susan Kooiman and Kathryn Arthur—Beer, Porridges, and Feasting in the Gamo Region of Southern Ethiopia
- 9:30 Sarah Graff and John Marston—Phrygian Cuisine at Kerkenes: A Synthesis of Ceramic and Botanical Evidence for Food Storage and Cooking
- 9:45 Rebecca Albert, Caitlin Clark, Susan Kooiman and William Lovis—A-Maize-ing: Phytolith Evidence for an Early Introduction of Maize in the Upper Great Lakes Diet
- 10:00 Mary Malainey and Timothy Figol—But Did They Eat Their Greens? Evidence of Plants in the Pottery of Northern Plains Bison Hunters and their Neighbors
- 10:15 Lara Gonzalez Carretero and Dorian Q. Fuller—9,000-Year-Old cereal Meals: New Methods for the Analysis of Charred Food Remains from Çatalhöyük East (Turkey)

- 10:30 Terrance Martin—Bone Marrow as Part of the Local Cuisine at Fort St. Joseph, a French Fur Trade Post in Southwest Michigan  
10:45 Lisa LeCount—Discussant

**[22] SYMPOSIUM ■ FOUNDATIONS FOR INNOVATION: THE LEGACIES AND INFLUENCES OF ARCHAEOLOGICAL SCIENCE AT MCMASTER**

**Room:** East Meeting Room 14 (VCC)

**Time:** 8:00 AM–11:00 AM

**Chair:** Andrew Roddick

**Participants:**

- 8:00 Aubrey Cannon and Andrew Roddick—A Culture of Innovation in Archaeological Science at McMaster University  
8:15 Meghan Burchell—Sustainable Research in Archaeological science: Examples from High- and Low Resolution Biogeochemical Studies of Archaeological Shell  
8:30 Kari Carter, Aubrey Cannon and Eduard Reinhardt—ITRAX XRF Analysis of Shell Midden Sediments from Sites on the Central Coast of British Columbia  
8:45 Beatrice Fletcher, Aubrey Cannon and Eduard Reinhardt—Exploring the Archaeological Applications of ITRAX XRF Soil Analysis in Southern Ontario  
9:00 Rachel ten Bruggencate, S. Brooke Milne, Mostafa Fayek, Robert Park and Douglas Stenton—Establishing Provenance for Chert from Southern Baffin Island: A Multiscalar Approach  
9:15 Megan Brickley—New Perspectives on Past Vitamin D Deficiency  
9:30 Kathryn Campeau, Tracy Prowse and Tristan Carter—Differentiating Commingled Human Remains through EDXRF (Energy Dispersive X-ray Fluorescence)  
9:45 Kyle Freund and Tristan Carter—Obsidian Characterization at the McMaster Archaeological XRF Laboratory: Case Studies from the Italian Island of Sardinia  
10:00 Tristan Carter, Zachary Batist, Kathryn Campeau, Yosef Garfinkel and Danny Rosenberg—Social Interaction at Distance over the Long Term: Obsidian Sourcing from the Southern Levant (Ninth–Fourth Millennia cal BC)  
10:15 Andrew Roddick, Greg Braun and Kostalena Michelaki—Beyond Ceramic Provenience: Interdisciplinary Research into Social Practices at LIRAC  
10:30 Éloi Bérubé, Shanti Morell-Hart and Sophie Reilly—Arts and Sciences of Ancient Plants at McMaster University  
10:45 Hendrik Poinar—Benefits of Time Travel: The McMaster Ancient DNA Centre

**[23] SYMPOSIUM ■ A TASTE FOR GREEN: AN AMERICAN/EUROPEAN PERSPECTIVE ON ANCIENT JADE, TURQUOISE AND VARISCITE EXCHANGE**

**Room:** East Meeting Room 19 (VCC)

**Time:** 8:00 AM–11:15 AM

**Chairs:** Ben Nelson, Carlos Rodriguez-Rellan and Ramon Valcarce

**Participants:**

- 8:00 Saul Hedquist, Lewis Borck and Alyson Thibodeau—A Colorful Past: Assessing Motivations for the Acquisition of Turquoise in the Ancient U.S. Southwest  
8:15 Emiliano Melgar and Joan Mathien—The Manufacturing Traces of the Turquoise Objects and the Lapidary Technology from Chaco Canyon: An Experimental Archaeology Approach  
8:30 Will Russell, Sarah Klassen and Katherine Salazar—The Presence and Potential Representation of Turquoise at the Mimbres Site of Galaz  
8:45 Lindsay Shepard, Christopher Schwartz, Will Russell, Robert Weiner and Ben Nelson—Blue-Green Stone Mosaics in the U.S. Southwest and Northwestern Mexico: Origins, Spatio-Temporal Distribution, and Potential Meanings

- 9:00 Teresa Cabrero—La Piedra Verde como Motivo de la Colonización del Cañón de Bolaños en el Occidente de México
- 9:15 Martha Lorenza Lopez Mestas Camberos—Las Piedras Verdes En El Centro De Jalisco
- 9:30 Miquel Molist, Josep Bosch, Anna Gómez, Sílvia Calvo and Mònica Borrell—The Variscite of Gavà, Spain: Characterization and System of Exploitation and Diffusion in the Northeast of the Iberian Peninsula
- 9:45 Carlos Rodriguez-Rellán, Ramón Fábregas Valcarce and António Faustino Carvalho—From the Green Belt: An Appraisal on the Circulation of Western Iberian Variscite
- 10:00 Guirec Querré, Thomas Calligaro, Serge Cassen and Salvador Dominguez-Bella—Long Distance Provenances of Jewelry (Variscite and Turquoise) along Atlantic Europe during the Neolithic (Fifth–Third Millennium) Based on PIXE Analysis
- 10:15 Alison Sheridan, Pierre Pétrequin and Michel Errera—Green Treasures from the Magic Mountains: The Use of Jadeitite and Other Alpine Rocks in Neolithic Europe
- 10:30 Serge Cassen, Pierre Pétrequin, Guirec Querré and Valentin Grimaud—Spaces and Signs of Transfer of Jade and Callais in the Neolithic of Western Europe
- 10:45 Serge Cassen—Discussant
- 11:00 Questions and Answers

**[24] SYMPOSIUM ■ ISLAND ARCHAEOLOGY IN EAST ASIAN PERSPECTIVES****Room:** East Meeting Room 3 (VCC)**Time:** 8:00 AM–11:15 AM**Chair:** Gyoung-Ah Lee**Participants:**

- 8:00 Jae Won Ko—Peopling of Jeju in the Late Pleistocene and Early Holocene
- 8:15 Geuntae Park—Neolithic Development on Jeju Island: Adaptation in a Broad Northeast Asian Perspective
- 8:30 Kaishi Yamagiwa—Human Adaptation and Natural Resource Usage in Prehistoric Southern Ryukyu Islands, Southwestern Japan
- 8:45 Yingxi Jin—Research on Neolithic Settlements in the Guanglu Island and the Liaodong Peninsula, China
- 9:00 Sangtaek Lim—Beyond Activity Areas, Beyond Burial Spaces: Islands as a Monumental Place for Coastal Foragers
- 9:15 Questions and Answers
- 9:30 Christopher Bone and Ha Beom Kim—A Landscape-Scale Spatial Analysis of Neolithic Settlement Patterns in Jeju Island, Korea
- 9:45 Gary Crawford—Hokkado, Japan as an Island System in East Asian Precolonial History
- 10:00 Hyunsoo Lee and Gyoung-Ah Lee—Neolithic Resource Use and Niche Construction on Jeju Island, Korea
- 10:15 Seungki Kwak—Ancient Residues Indicate Prehistoric Subsistence and Culinary Practices in the Korean Peninsula during the Middle Holocene
- 10:30 Chang-Hwa Kang—Early Historic Overseas Exchanges in Tamra, Jeju
- 10:45 Rory Walsh—Jeju Island Ceramics as Evidence of Overseas Trade
- 11:00 Hiroto Takamiya—Discussant

**[25] SYMPOSIUM ■ MEDIEVAL CITIES IN THE EURASIAN STEPPE**

**Room:** West Meeting Room 208 (VCC)

**Time:** 8:00 AM–11:15 AM

**Chair:** Joshua Wright

**Participants:**

- 8:00 Gwen Bennett—The Archaeological Study of Cities in East Asia
- 8:15 J. Daniel Rogers—Political Process, Polity Formation, and the Role of Urban Centers in Inner Asia
- 8:30 XinLin Dong and Wang Ying—New Research and Understandings at the Royal City of the Liao Supreme Capital Site
- 8:45 Shanguo Peng—New Archaeological Discoveries of Liao and Jin City Sites in Jilin Province, China
- 9:00 Nikolay Kradin—The Northern Hinterland of Mongolian Empire: Urban Centers of Transbaikalia
- 9:15 Jan Bemmann and Susanne Reichert—Karakorum, Mongolia: A Complex Urban Site in a Non-Urban Society
- 9:30 Questions and Answers
- 9:45 Joshua Wright and Naomi Standen—Three Cities in the Heartland of the Khitan Liao Empire
- 10:00 Lance Pursey—Who Were the Urban Liao? The Cultural Saliency of “Urban” Life in a Mobile Society
- 10:15 Daniel Shultz—Computer Simulation of the Effect of Urban Centers on the Development of Wealth Inequality in Pastoral Nomadic Society
- 10:30 Callan Ross-Sheppard—Not Sourcing: Prospecting for Khitan/Liao Ceramic Production Locales through the Geochemical and Mineralogical Characterization of Khitan/Liao Ceramic Assemblages
- 10:45 Michelle Negus Cleary and Elizabeth Baker Brite—Kalas and Urbanism in Western Central Asia
- 11:00 Simon Kaner—Discussant

**[26] SYMPOSIUM ■ CULTURAL CONTACTS ALONG THE SILK ROAD DURING THE EARLY BRONZE AGE**

**Room:** West Meeting Room 205 (VCC)

**Time:** 8:00 AM–11:30 AM

**Chair:** Xiaohong Wu

**Participants:**

- 8:00 Shuicheng Li—At the Margin of a World System: Cultural Histories between the Eurasian Steppe and Northwest China
- 8:15 Gideon Shelach—A Reexamination of Bronze Age Trans-Eurasian Interactions
- 8:30 Xiaohong Wu—Dating the Bronze Artifacts from the Archaeological Sites along the Hexi Corridor
- 8:45 Dong Guanghui and Fahu Chen—Transcontinental Cultural Exchange in Hexi Corridor, Northwest China During Bronze Age
- 9:00 Guiyun Jin, XianJun Fan and GuoKe Chen—Agriculture Development in the Bronze Age Hexi Corridor: Archaeobotanic Evidence from Xichengyi Site
- 9:15 Rowan Flad—Discussant
- 9:30 Tsuimei Huang—Contacts between Chinese Regional Cultures and Northern Grasslands during the Early Bronze Age: A Case Study of Turquoise-Inlaid Ornaments
- 9:45 Kunlong Chen, Jianjun Mei, Thilo Rehren and Congcang Zhao—Transcultural Interaction in China’s Shang Period: An Archaeo-Metallurgical Perspective
- 10:00 TzeHuey Chiou-Peng and Jianfeng Cui—Incipient Metallurgy in Western Yunnan: Current Study and Issues

- 10:15 Jianli Chen—The Beginning Use of Iron in Ancient China and the Early Silk Road  
 10:30 Wu Guo—Land Rituals for Heaven: The Soft Cultural Power of an Early Nomadic Kingdom and the Begin of Silk Road  
 10:45 Jianfeng Cui, Guoxiang Liu and Runan Ni—Roman Glass Beads Found in Hulunbir, Inner Mongolia, China  
 11:00 Xinyi Liu—Discussant  
 11:15 Questions and Answers

**[27] SYMPOSIUM ■ 2017 FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF NAOMI F. MILLER**

*(Sponsored by Fryxell Award Committee)*

**Room:** East Exhibit Hall A (VCC)

**Time:** 8:00 AM–11:30 AM

**Chairs:** Chantel White and Alan Farahani

**Participants:**

- 8:00 Chantel White, Alan Farahani and John Marston—Naomi F. Miller and Applied Paleoethnobotany of Southwest Asia  
 8:15 Alexia Smith and Lucas Proctor—Dung through the Microscope: A Close-Up View of Sample Origin  
 8:30 Susan Allen—Halaf Seasonality and Mobility: An Archaeobotanical View from Fistikli Höyük, Turkey  
 8:45 Robert Spengler—Evidence for Dung Burning in the Archaeobotanical Record of Central Asia  
 9:00 Jade d'Alpoim Guedes and Kyle Bocinsky—Modeling the Spread of Crops across Eurasia  
 9:15 Chris Stevens and Dorian Q. Fuller—Agricultural Diversification, Perennials, and Complex Societies in Mesopotamia and the Yellow River  
 9:30 Questions and Answers  
 9:45 Smiti Nathan—Scrapyards, Curious Constructions, and Local Engagement: A Southeast Arabian Perspective on Building a Flotation Machine  
 10:00 Lisa Kealhofer, Peter Grave and Ben Marsh—Changes on the Land: Gordion in the First Millennium BCE  
 10:15 John Marston and Canan Çakırlar—Provisioning and Agricultural Economy at Roman Gordion: Integrating Archaeobotany and Zooarchaeology  
 10:30 Arlene Rosen, Jennifer Farquhar, Joan Schneider and Tserendagva Yadmaa—Holocene Vegetation Cycles, Land Use, and Human Adaptations to Desertification in the Gobi Desert of Mongolia  
 10:45 Virginia Popper—Cuisine of the Overseas Chinese in the Western United States: Using Recipes to Interpret Archaeological Plant Remains  
 11:00 Kathryn Gleason—The Lost Dimension: Pruned Plants in Roman Gardens  
 11:15 Alan Farahani—Discussant

**[28] SYMPOSIUM ■ ROCK ART, EMBODIMENT, AND IDENTITY**

**Room:** East Ballroom B (VCC)

**Time:** 8:00 AM–11:30 AM

**Chairs:** Jamie Hampson, Liam Brady and Courtney Nimura

**Participants:**

- 8:00 Polly Schaafsma—Pueblo Regalia and the Cosmos: Past and Present  
 8:15 Andrzej Rozwadowski—Embodied in Contemporaneity: Negotiating Identity through Rock Art in Contemporary Siberia and Central Asia  
 8:30 Jamie Hampson—Embodied Rock Art Motifs in Far West Texas and Northern South Africa

- 8:45 Dagmara Zawadzka—Embodiment in Animic Rock Art: An Example from the Canadian Shield
- 9:00 Sam Challis—Rock Art and Emergent Identity: The Creolization Process in Nineteenth-Century South African Borderlands
- 9:15 Alice Mullen—Significantly Differentiated Figures: Understanding Difference through the Construction of Personhood in the Southern African San Idiom
- 9:30 Patricia Dobrez—The Intelligent Tool: The Body's Role in Making and Reading Tracks in Life and Art
- 9:45 Liam Brady and John Bradley—Embodiment and Relatedness: The Rock Art of Muluwa, Wulibirra, and Kamandarringabaya
- 10:00 Claire Smith, Ines Domingo, Didac Roman and Gary Jackson—Populations Expansion as a Replacement or Merging of Peoples: Insights from the Rock Art of Doria Gudaluk (Beswick Creek Cave), Northern Territory, Australia
- 10:15 Courtney Nimura—Ships and Feet in Scandinavian Prehistoric Rock Art
- 10:30 Johan Ling and Per Cornell—Rock Art, Warfare, and Long-Distance Trade
- 10:45 Peter Skoglund—Animated Ships
- 11:00 David Whitley—Agency, Structure, and the Neoliberal Turn
- 11:15 Questions and Answers

**[29] SYMPOSIUM ■ HIGH-TECH STORYTELLING IN ARCHAEOLOGY**

*(Sponsored by National Geographic Society and ESR!)*

**Room:** East Meeting Room 13 (VCC)

**Time:** 8:00 AM–11:30 AM

**Chair:** Matthew Piscitelli

**Participants:**

- 8:00 Christopher Thornton—Discussant
- 8:15 Francisco Estrada-Belli—Accelerating the “Maddeningly Slow Work of Archaeology” in the Forested Maya Lowlands
- 8:30 William Parkinson, Apostolos Sarris, Rebecca Seifried, Nikos Papadopoulos and Cristina Manzetti—Integrating Satellite Imagery and Ground-Based Remote Sensing to Reconstruct a Neolithic Village
- 8:45 Michael Frachetti, Edward Henry, Taylor Hermes, Elissa Bullion and Farhod Maksudov—Terra Cognita: Technological Approaches along the High Mountain Silk Road
- 9:00 Patrick Ryan Williams and Donna Nash—Radar, Lidar, Drones, and Donkeys: The Evolution of Archaeological Mapping Technologies in the South-Central Andes
- 9:15 Jennifer Marla Toyne—Where Condors Reign: Methodological Challenges in the Bioarchaeology of Chachapoya Cliff Tombs in Peru
- 9:30 Jesse Casana—A Hot New Technology: Advancing Methodologies for Archaeological Aerial Thermography
- 9:45 Thomas E. Levy and Neil G. Smith—Cyber-Archaeology, Scientific Storytelling, and the GIS Nexus
- 10:00 Tiffany Earley-Spadoni—Digital History and Digital Storytelling: The Future of Geospatial Technologies in the Study of the Past
- 10:15 Luis Castillo Butters and Aldo Watanabe—Drones, Photogrammetry, and 3D Modeling in Peruvian Archaeology
- 10:30 Christian Fischer and Mitch Hendrickson—Finding Buddha: Hi-tech Approach to the Study of Buddhist Transition at the Angkorian Center of Preah Khan of Kompong Svay, Cambodia (Tenth to Sixteenth Centuries CE)
- 10:45 Holley Moyes—Mapping Caves: Telling the Story
- 11:00 Dominique Meyer, Eric Lo, Sabrina Trinh, Emily Zheng and Falko Kuester—The Rapid Generation and Visualization of 3D Time-Lapse Reconstructions of the Excavation at the Paleolithic Site Arma Veirana in Italy

11:15 Steve Kosiba—Does Technology Hinder or Assist Storytelling? A Critical Theory Approach to Archaeological Representation and Relational Data

**[30] SYMPOSIUM ■ BREASTFEEDING AND WEANING PRACTICES IN ANCIENT**

**POPULATIONS: A CROSS-CULTURAL VIEW**

**Room:** West Meeting Room 207 (VCC)

**Time:** 8:00 AM–11:45 AM

**Chairs:** Yadira Chinique de Armas and Mirjana Roksandic

**Participants:**

- 8:00 Benjamin Fuller, Yang Xia, Jinglei Zhang, Tingting Wang and YaoWu Hu—Investigating Breastfeeding/Weaning Practices and Adult Mobility Patterns during the Western Zhou Dynasty (1122–771 BC) at Boyangcheng, Anhui Province, China
- 8:15 Cynthia Kwok, Sandra Garvie-Lok and Mary A. Katzenberg—Exploring Sex-Based Variation in Infant Feeding Practices in Byzantine Greece Using Stable Isotope Analysis of Dentin Serial Sections
- 8:30 Teresa Fernández-Crespo, Andrea Czermak, Rick J. Schulting and Julia Lee-Thorp—Breastfeeding, Weaning, and Childhood Diet in Cave and Megalithic Populations of Late Neolithic North-Central Spain
- 8:45 Susan Pfeiffer, Judith Sealy, Ronald F. Williamson, Crystal Forrest and Louis Lesage—Patterns of Weaning and Childhood Diets among Ancestral Huron-Wendat Communities, Determined from Stable Isotopes of Teeth
- 9:00 Mark Schurr—Nitrogen Stable Isotopes and Infant Feeding Practices: Taking a Long View
- 9:15 Karen Gardner, Eric Bartelink, Antoinette Martinez, Alan Leventhal and Rosemary Cambra—Reconsidering Stable Isotope Analysis of Bone Collagen for the Interpretation of Prehistoric Breastfeeding and Weaning Practices: A Case Study from Santa Clara Valley, California
- 9:30 Lori Wright and Ethan Grossman—Reconstructing Ancient Maya Nursing Behavior and Children's Diets at Tikal, Guatemala
- 9:45 Charlotte King, Siân Halcrow, Andrew Millard, Anne Marie Sohler-Snoddy and Vivien Standen—Children of the Atacama Desert: The Complex Interactions between Breastfeeding, Weaning, and Environmental Stress in One of the World's Harshest Environments
- 10:00 David Smith—Social and Cultural Influences on Weaning Practices
- 10:15 Bill Buhay, Yadira Chinique de Armas, Mirjana Roksandic and Roberto Rodriguez Suarez—A Bayesian Model Sensitivity Study of Non-Static Diet-Collagen Isotope Fractionations Factors Used to Assess Breastfeeding and Weaning Practices among Fisher-Gatherers Populations, Western Cuba
- 10:30 Yadira Chinique de Armas and William Pestle—Sources of Variations in Breastfeeding and Weaning Practices among Caribbean Populations
- 10:45 Questions and Answers
- 11:00 William Pestle—Discussant
- 11:15 Takumi Tsutaya—Discussant
- 11:30 Mary A. Katzenberg—Discussant



**[31] SYMPOSIUM ■ BODIES AS NARRATIVES: REVISITING OSTEOBIOGRAPHY AS A CONCEPTUAL TOOL**

**Room:** East Meeting Room 1 (VCC)

**Time:** 8:00 AM–11:45 AM

**Chairs:** John Robb and Lauren Hosek

**Participants:**

- 8:00 John Robb—Osteobiography: A Conceptual Framework  
8:15 Estella Weiss-Krejci—Osteonarratives in the German-Language Tradition  
8:30 Sabrina Agarwal—Bone Remodeling Behavior across the Surfaces of the Skeleton as Biographical Windows  
8:45 Jane E. Buikstra and Jason King—A Prism or a Mirror? Reflections of a Hopewell Man  
9:00 Alexis Boutin—Scales of Analysis and Modes of Interpretation in Osteobiography: An Example from the Dilmun Bioarchaeology Project  
9:15 Ryan Harrod—Beyond Broken Bones: The Value of Creating an Osteobiography when Analyzing Violence in the Past  
9:30 Christopher Knüsel—“Where Individuals Are Nameless and Unknown”: Osteobiography Reveals the “Big Man,” the Ritualist, the Heiress, and the Priest  
9:45 Questions and Answers  
10:00 Lauren Hosek—From Life History to Large Scale: Osteobiography as Microhistory  
10:15 Shannon Novak—Corporeal Congregations and Asynchronous Lives: Unpacking the Pews at Spring Street  
10:30 Sarah Inskip—Being Male in al-Andalus: A Comparative Osteobiographical Approach to Reconstructing Islamic Identities in Medieval Spain  
10:45 Lorna Tilley—Extending Osteobiography: Disability, Care, Agency, and Emotion  
11:00 Rachel Scott—Exploring Intersectionality through Osteobiography: A Case Study from Early Medieval Ireland  
11:15 Jo Appleby—Osteobiography as Local Biology  
11:30 Pamela Geller—Discussant

**[32] SYMPOSIUM ■ THE ISLAND ANTHROPOCENE**

**Room:** West Meeting Room 203 (VCC)

**Time:** 8:00 AM–11:45 AM

**Chairs:** Magdalena Schmid and Kristina Douglass

**Participants:**

- 8:00 Kristina Douglass, Henry Wright and Robert Dewar—The Anthropocene of Madagascar: Reviewing Chronological Evidence for Madagascar’s Colonization  
8:15 Nicole Boivin, Mary Prendergast, Jillian Swift, Ceri Shipton and Alison Crowther—Island Colonization and Ecological Transformation in Prehistoric Eastern Africa  
8:30 Fiona Petchey, Geoffrey Clark, Patrick O’Day and Richard Jennings—Radiocarbon Dating in the Mariana Islands  
8:45 William Keegan—On the Edge of the New World: Colonizing the Bahamas  
9:00 Andrew Dugmore, Jette Arneborg, Christian K. Madsen, Thomas H. McGovern and Rowan Jackson—Exploring the Limits of the Island Anthropocene: The Norse Colonization of Greenland in an Atlantic Context  
9:15 Stephen Wickler—Northern Norway’s Sea of Islands: Processes of Maritime Colonization and Settlement  
9:30 Ramona Harrison—Skuggi and Siglunes: Two Icelandic Settlement Sites  
9:45 Questions and Answers  
10:00 Jon Erlandson, Todd Braje, Kristina Gill and Torben Rick—Defining the Anthropocene on California’s Northern Channel Islands

- 10:15 Omar Reyes, César Méndez, Manuel J. San Román and Camilo Robles—The Chonos Archipelago: From Hunting-Gathering to Industrial Productivity in the Western Patagonian Channels (43°50'–46°50' S), Chile
- 10:30 Christopher Evans and Marie Louise Sorensen—(Mis-)Reading Land: Early Portuguese Settlement on Cape Verde
- 10:45 John O'Connor, Scott M. Fitzpatrick, Todd Braje, Matthew Napolitano and Thomas Leppard—Measuring Human Impacts on Islands Relative to Size
- 11:00 Matthew Spriggs—Different but Similar? Colonization Processes on Islands and Continents Compared
- 11:15 Magdalena Schmid—Discussant
- 11:30 Patrick Kirch—Discussant

**[33] GENERAL SESSION ■ ARCHAEOLOGY IN CHINA****Room:** East Meeting Room 2 (VCC)**Time:** 8:00 AM–11:45 AM**Chair:** Annie Chan**Participants:**

- 8:00 Ofer Bar-Yosef—Early Cultivation in China: Where and When
- 8:15 Yue Feng and Youping Wang—Lithic Technology and Human Adaptation in Pleistocene Central China
- 8:30 Yi Jia Gabriela Poh—A Preliminary Discussion on the Migration of Early Xianbei and Their Subsistence Adaptations
- 8:45 Yunfa Miao, Heling Jin and Jianxin Cui—Human Activity Accelerating the Rapid Desertification of the Mu Us Sandy Lands, North China: Evidence from Micro-Charcoal Assemblages
- 9:00 Chao Zhao—The Emergence of Blade Industry in Late Upper Paleolithic Central Plain of China
- 9:15 Jinok Lee—Neolithic Human-Landscape Interactions in Eastern China: Preliminary Results from Liangchengzhen
- 9:30 Yu Xiyun—Kinship Organization Reflected in Bifurcated Settlements
- 9:45 Lei Zhang—A Brief Analysis of the Evolution of Bird Design in Ancient Chinese Head-Ware
- 10:00 William Gilstrap and Wugan Luo—Regional Practice in Polychrome Painting Technology in Late Neolithic China
- 10:15 Michael Storozum, Yifei Zhang and Ren Xiaolin—Dirt, Dynasties, and Devastation in North China: Geoarchaeological Perspectives from the Luoyang Basin
- 10:30 Sihong Zhu—Interpretation of “Figure with Green Facial Expression” Unearthed in Pit No. 2 in Emperor Qinshihuang’s Mausoleum Site Museum
- 10:45 Rong Fan—Physiological Stress, Activity Patterns, and the Emergence of Social Complexity in Early China
- 11:00 Yahui He—Comparison Study of Ceramic Traditions in Neolithic Southeast Mainland China and Taiwan and Their Possible Interaction Modes
- 11:15 Emma Yasui and Daniel Kwan—Microscopic Leftovers: Exploratory Starch Grain Analysis on Ceramic Vessels from the Shangshan Culture, China
- 11:30 Annie Chan—The Monumentality of Ancient Pastoral Landscapes in Western Tian Shan (Xinjiang, China)

**[34] SYMPOSIUM ■ PUEBLO MOVEMENT AND THE ARCHAEOLOGY OF BECOMING**

**Room:** East Ballroom C (VCC)

**Time:** 8:00 AM–12:00 PM

**Chairs:** Samuel Duwe and Robert Preucel

**Participants:**

- 8:00 Samuel Duwe and Robert Preucel—An Archaeology of Becoming  
8:15 Maren Hopkins and Octavius Seowtewa—Anshe Ky'an'a and Zuni Traditions of Movement  
8:30 Leigh Kuwanwisiwma—Hopi Migration Traditions: A Fulfillment of the Spiritual Covenant  
8:45 Samantha Fladd, Claire Barker, E. Charles Adams and Dwight Honyouti—To and From Hopi: Negotiating Identity through Migration, Coalescence, and Closure at the Homol'ovi Settlement Cluster  
9:00 Damian Garcia and Kurt F. Anschuetz—Movement as an Acoma Way of Life: An Archaeology of the Pueblo's Pathways and Impressions  
9:15 Paul Tosa, T J Ferguson, Matt Liebmann and John Welch—Hemish Migration, Movement, and Identity  
9:30 Matt Liebmann—Movement Encased in Stone: Revealing Ancestral Jemez Migration through Obsidian Source Provenience  
9:45 Questions and Answers  
10:00 Patrick Cruz and Samuel Duwe—Tewa History and the Archaeology of the Peoples  
10:15 Samuel Catanach and Mark R. Agostini—Relational Native Ontology and Tewa Ethnogenesis in the Pueblo of Pojoaque  
10:30 Severin Fowles—Choosing Nomadism: On Northern Tiwa Flights to the Southern Plains  
10:45 Bruce Bernstein—Moving Ideas, Staying at Home: Change and Continuity in Eighteenth-Century Pueblo Pottery  
11:00 Joseph Aguilar and Robert Preucel—Seeking Strength and Protection: Tewa Mobility during the Pueblo Revolt Period  
11:15 Porter Swentzell—Tewa Place-Based History  
11:30 Joseph Suina—Getting Accustomed . . .  
11:45 Questions and Answers

**[35] SYMPOSIUM ■ REIMAGINING HUMAN-ANIMAL RELATIONS IN THE CIRCUMPOLAR NORTH**

**Room:** East Meeting Room 11 (VCC)

**Time:** 8:00 AM–12:00 PM

**Chairs:** Peter Whitridge and Erica Hill

**Participants:**

- 8:00 Genevieve LeMoine—Weasels, Seals, Bears: Late Dorset Miniature Carvings as Indicators of Individual Hunter/Prey Relationships  
8:15 Peter Whitridge—Manufacturing Reality: Inuit Harvesting Depictions and the Domestication of Human-Animal Relations  
8:30 James M. Savelle—Prehistoric Thule Whaling Societies in the Canadian Arctic: Ritual, Symbolism, and Ideology  
8:45 Erica Hill—Whales, Whaling Amulets, and Human-Animal Relations in Northwest Alaska  
9:00 Max Friesen and Andrew Stewart—Covering Bones: The Archaeology of Respect on the Kazan River, Nunavut  
9:15 Rebecca Goodwin and Lisa Hodgetts—Foxy Ladies: Investigating Human-Animal Interactions at Agvik, Banks Island  
9:30 Questions and Answers

- 9:45 Grace Cesario—The Importance of Wild Animal Resources in Skagafjörður, North Iceland
- 10:00 Kristin Armstrong Oma—Long Time—Long House: Dwelling with Animals in Scandinavia in Prehistory
- 10:15 Anja Mansrud—Liminal Agents: Exploring the Social, Ritual, and Cosmological Aspects of Fishhook Manufacture in Middle Mesolithic Coastal Communities (8300–6300 BC)
- 10:30 Trond Meling—Settlement and Rituals: The Red Deer at Late Mesolithic and Early Neolithic Settlement Sites in Southwest Norway
- 10:45 Anna-Kaisa Salmi—“Most beautiful favorite reindeer”: Life Histories of Reindeer Offered at Sámi Offering Sites in Northern Fennoscandia
- 11:00 Elna Siv Kristoffersen—The Northern Way: Conceptualization of Nonhuman Animals in the Animal Art of Fifth–Sixth-Century Norway
- 11:15 Aripekka Junno, Hirofumi Kato, Sven Isaksson and Peter Jordan—Exploring Human-Animal Relations among the Okhotsk Culture in Northern Japan
- 11:30 Lacey Fleming and Robert Losey—Application of the Canine Surrogacy Approach to Holocene and Iron Age Sites in Siberia
- 11:45 Peter Jordan—Life Beyond Circumpolar Cosmologies: New Themes in the Archaeology of Arctic Human-Animal Relations

**[36] SYMPOSIUM ■ THE ARCHAEOLOGY OF GLOBAL HISTORY****Room:** East Meeting Room 12 (VCC)**Time:** 8:00 AM–12:00 PM**Chairs:** Ellen Hsieh and Maria Cruz Berrocal**Participants:**

- 8:00 Koji Ozawa—Transnational Considerations at Japanese American Incarceration Camps
- 8:15 Laura Ng—Transnational Linkages: The Archaeology of the Late Nineteenth- and Early Twentieth-Century Chinese Railroad Workers
- 8:30 Karime Castillo-Cardenas—Technology Transfer, Variability, and Adaptation of Glass Production in Colonial Mexico: Preliminary Results from a Local and Global Perspective
- 8:45 Maia Dedrick, Adolfo I. Batun-Alpuche and Patricia McAnany—Imperfect Beeswax Production in the Land of Honey—Yucatán, Mexico
- 9:00 David Cohen and Monika Therrien—Precarious and Obsolete Infrastructure: Archaeology of Water Networks in Bogota
- 9:15 Stuart Bedford—The Archaeology of Colonialism and Capitalism in the Southwest Pacific: The Compagnie Calédonienne Nouvelles-Hébrides (CCNH) on Malakula, Vanuatu
- 9:30 Amy Jordan—“Make little use of pots”: A Review of Earthenware Assemblages from Three Nutmeg Plantations on the Banda Islands, Maluku Province, Indonesia
- 9:45 Ellen Hsieh—Placing Intramuros in Global History: Insights from the Ceramic Consumption in Spanish Manila
- 10:00 Miguel Luque-Talaván—The Innovations That Traveled to the Philippines: An Approach to the Biological Conquest of the Islands (Sixteenth–Eighteenth Centuries)
- 10:15 Kaoru Ueda and Ellen Hsieh—Navigating through Asian Waters: Comparative Study of Seventeenth- and Eighteenth-Century Porcelain Trade in Manila, the Philippines, and Banten, Indonesia, from an Archaeological Perspective
- 10:30 Wei-chun Chen—Test Excavation of the Seventeenth-Century Provintia, a Dutch Fort in the Southwest Taiwan
- 10:45 Maria Cruz Berrocal and Chenghwa Tsang—The Church of Todos los Santos

- and Its Associated Cemetery in the Spanish Colony of San Salvador, Heping Dao, Taiwan (Seventeenth Century)
- 11:00 Shaodong Zhai—From a Strategic Passage to a Remote Town: The Status Change of Dunhuang in the History of China and West Communication Reflected from the Beacon Ruins in Dunhuang
- 11:15 Liye Xie—People in Construction: Insights from Ethnographic, Historic, and Archaeological Accounts in China
- 11:30 Yitzchak Jaffe—Between Control and Influence: Early Globalization Processes in Bronze Age China
- 11:45 Chris Scarre—World Prehistories and the Development of a Global Archaeological Narrative

**[37] SYMPOSIUM ■ ARCHAEOLOGICAL EPISTEMOLOGY IN THE DIGITAL AGE**

**Room:** East Meeting Room 17 (VCC)

**Time:** 8:00 AM–12:00 PM

**Chairs:** Rebecca E. Bria and Michael Ashley

**Participants:**

- 8:00 Lynne Goldstein—Thinking Differently? How Digital Engagement, Teaching, and Research Have Influenced My Archaeological Knowledge
- 8:15 Daniel Contreras—Downscaling in Archaeology: From Digital Forest to Probable Trees
- 8:30 Brett A. Houk—The Digital Evolution at Chan Chich, Belize
- 8:45 Lauren Kohut—Thinking Outside the Map: Alternative Approaches to Data Visualization
- 9:00 Kevin Garstki—Producing Knowledge through the Production of 3D Digital Artifacts
- 9:15 Erin Averett, Derek Counts, William Caraher and Jody Gordon—From Trench to Tablet: Field Recording, Interpreting, and Publishing in the Age of Digital Archaeology
- 9:30 Marcos Llobera—Discussant
- 9:45 Rebecca E. Bria—Rethinking Assemblages in the Digital Age
- 10:00 Allison Mickel—Agelah and the Powershot: Digital Possibilities for Alternate Ways of Knowing in Archaeology
- 10:15 Chris Webster and Tristan Boyle—Podcasts as Archaeological Digital Preservation
- 10:30 Cinzia Perlingieri, Kelley Shanahan and Elena Toffalori—The Anthropology of Data Design and Project Strategy
- 10:45 Lorna-Jane Richardson—Thinking Socially: Digital Archaeology beyond Technological Fetishism
- 11:00 Jeremy Huggett—Archaeology's Digital Interfaces
- 11:15 Adam Rabinowitz—Discussant
- 11:30 Questions and Answers
- 11:45 Ruth Tringham—Discussant

**[38] SYMPOSIUM ■ MODELING PEOPLE, PLACES, AND THINGS: REVISITING ARCHAEOLOGY AS MODEL-BASED SCIENCE**

**Room:** East Meeting Room 15 (VCC)

**Time:** 8:00 AM–12:00 PM

**Chair:** Benjamin Davies

**Participants:**

- 8:00 Andre Costopoulos—Can You Model My Valley? Particular People, Places, and Times in Archaeological Simulation

- 8:15 Sean Bergin, Salvador Pardo Gordó, Michael Barton, Joan Bernabeu Aubán and Nicolas Gauthier—Testing Social and Ecological Drivers for the Initial Spread of Agriculture on the Iberian Peninsula
- 8:30 Andrea Kay and Jed Kaplan—Modeling Human-Environment Interaction in Sub-Saharan Africa: Archaeological Data, Ecological Questions
- 8:45 Stefani Crabtree and Tim Kohler—Modeling Polity Growth among Ancestral Pueblo People in the Northern San Juan
- 9:00 Joaquim Fort, Victor L. de Rioja, Neus Isern and Jose M. Cobo—The Neolithic Transition in Europe: Archaeology versus Genetics
- 9:15 Thegn Ladefoged and Benjamin Davies—Emergent Landscapes: Simulating the Distribution of Residential Features in a Hawaiian Dryland Agricultural System
- 9:30 Claudine Gravel-Miguel—Using ABM to Evaluate the Impact of Topography and Climate Change on Social Networks
- 9:45 Questions and Answers
- 10:00 Mark Lake—What We Choose to Model and How We Think the World Works
- 10:15 Luke Premo—Effective Population Size and the Effects of Demography on Cultural Diversity and Technological Complexity
- 10:30 Cheyenne Laue—Environmental Variation and Technological Change: Results of an Agent-Based Simulation
- 10:45 Sam Lin, Shannon P. McPherron, Luke Premo and Claudio Tennie—Modeling the Effects of Knapper Decision-Making and Social Learning on Flake Assemblage Variability
- 11:00 Benjamin Davies, Simon Holdaway and Patricia Fanning—Using the Archaeological Record to Better Understand Models: An Australian Case Study
- 11:15 Katherine Crawford—Visualizing the Invisible: How Can We Model Roman Religious Processions?
- 11:30 David R. Braun, Jonathan S. Reeves and Matthew Douglass—Density, Discard, and Distraction: How Do We Form Inferences of Behavior from the Early Pleistocene Record
- 11:45 Tim Kohler—Discussant

**[39] SYMPOSIUM ■ COPAN I: THE LATE CLASSIC PERIOD**

**Room:** East Ballroom A (VCC)

**Time:** 9:00 AM–11:45 AM

**Chairs:** Cameron L. McNeil and Alexandre Tokovinine

**Participants:**

- 9:00 Alexandre Tokovinine—Copan Reloaded: A New Look at the Ante Step and Its Context
- 9:15 Loa Traxler—Foundations to the Late Classic Kingdom: Copan in the Sixth Century CE
- 9:30 William Fash—Piecing Together the Life History of K'ahk' Uti' Witz' K'awiil
- 9:45 Barbara Fash—Leveraging Power: Stonecarvers and Architectural Sculpture Production in the Copan Region
- 10:00 Ellen Bell, Marcello A. Canuto and Cassandra Bill—Pushing the Limits of Power: Copan Expansionist Strategies in the El Paraíso Valley, Western Honduras
- 10:15 Zachary Hruby—The Stromsvik Macroblade Cache from Copan, Honduras: A Symbolic Analysis
- 10:30 Ronald L. Bishop, Dorie Reents-Budet and Kathryn Sampeck—Cream Wares of the Southeast Maya Periphery
- 10:45 Franco Rossi—The Obsidian Order at Copan: A Discussion of Science, Education, and Institutions in Late Classic Statecraft
- 11:00 Simon Martin—Copan in the Wider Maya World
- 11:15 Oswaldo Chinchilla—Discussant
- 11:30 Questions and Answers

**[40] SYMPOSIUM ■ CONTROLLED EXPERIMENTS IN LITHIC TECHNOLOGY AND FUNCTION**

**Room:** West Meeting Room 209 (VCC)

**Time:** 9:45 AM–12:00 PM

**Chairs:** Joao Marreiros, Telmo Pereira and Radu Iovita

**Participants:**

- 9:45 Benjamin Schoville, Jayne Wilkins, Kyle Brown, Simen Oestmo and Terrence Ritzman—Functional Implications of Backed Piece Variability for Prehistoric Weaponry in the Middle Stone Age
- 10:00 Metin Eren, Angelia Werner, Crystal Reedy and Andrew Kramer—Assessment of Lateral Edge Grinding on Hafting Performance Using Experimental Clovis Points
- 10:15 Justin Coppe, Veerle Rots, Marc Pirlot and Valérian Clarenne—The Ballistic Performance of Prehistoric Weapons: First Results of a Comparative Study
- 10:30 Radu Iovita, Johannes Pflöging and Jonas Buchli—Evaluating the Effect of Force and Duration on Lithic Use-Wear Using a Force—and Impedance—Controlled Robot
- 10:45 Justin Pargeter and Metin Eren—Bipolar Reduction and Lithic Miniaturization: Experimental Results and Archaeological Implications
- 11:00 George Leader, Aylar Abdollahzadeh, Sam Lin and Harold Dibble—The Effects of Exterior and Lateral Platform Morphology and Raw Material on Flake Size and Shape: Results from New Controlled Experiments
- 11:15 Alex Mackay, Sam Lin, Lachlan Kenna and Alex Blackwood—Silcretes from Nearby Sources Display Different Responses to Rapid Heating: Implications for Models of Early Human Heat Treatment
- 11:30 Joao Marreiros, Telmo Pereira and Rui Martins—Chert versus Quartzite Edge Reduction Using a Mechanical Device and Its Relevance to Lithic Raw Material Variability, Selection, and Use
- 11:45 Questions and Answers

**[41] SYMPOSIUM ■ BATTLEFIELD ARCHAEOLOGY: PAST, PRESENT, AND FUTURE**

**Room:** East Meeting Room 20 (VCC)

**Time:** 10:00 AM–12:00 PM

**Chair:** Jay Silverstein

**Participants:**

- 10:00 Jay Silverstein—Culture and Battle: An Epistemological Approach to Warfare
- 10:15 Laura Junker—Battlefield Archaeology in Ancient Europe and Southeast Asia: The Challenge of Remote Histories and Personification of War Events
- 10:30 Dane Magoon—Finding the Right Spot: Utilizing Historic Maps, Period Imagery, and Archaeological Data to Identify Aircraft Crash Sites within the Larger Battlefield Landscape
- 10:45 Kristen Baker—World War II Battlefield Archaeology of Tarawa
- 11:00 Agamemnon Pantel, Mark Noah, Kristen Baker, Chester Walker and Jay Silverstein—Archaeological Research in the Recovery of World War II MIAs on a Pacific Atoll: Tarawa
- 11:15 Alexander Christensen—Reconstructing Korean War Battlefields from Body Recovery Information
- 11:30 Penny Minturn—Planning for the Battle(field)
- 11:45 David Webster—Discussant

**[42] GENERAL SESSION ■ GLOBAL DEVELOPMENTS IN LITHIC ANALYSIS I****Room:** West Meeting Room 204 (VCC)**Time:** 10:15 AM–12:00 PM**Chair:** Charles Knight**Participants:**

- 10:15 Kathleen Hull—Splitting and Lumping: Decision-Making and Meaning in Intentional Artifact Fragmentation and Deposition
- 10:30 Emily Wilkerson—New Insights into Old (and New) Data: Lithic Technological Organization and Evolutionary Archaeology at the St. Mungo Site (DgRr-2), British Columbia, Canada
- 10:45 Julie Esdale—Recognizing Artifact Transport from Debitage Assemblages: Examples from Middle Holocene Sites in Alaska
- 11:00 Birgitta Stephenson—Is that Roo on the Barbeque? Using Use-Wear, Residue Analysis, and Biochemical Staining to Identify Varied Subsistence Practices in Aboriginal Archaeological Sites in Australia
- 11:15 Kaoru Akoshima—Toward Standardization of Lithic Use-Wear Identification in Conjunction with Technological Organization and Raw Material Variability
- 11:30 Matthew Hunstiger—Three Dimensional Aggregate Flake Scar Analysis on Experimental Lithics and Archaeological Lithics from Tabun Cave, Israel
- 11:45 Charles Knight—Quantifying Obsidian Extraction at the Zaragoza-Oyameles Source Area of Puebla, Mexico, and What This Means for Understanding Ancient Mesoamerican Economies

**[43] GENERAL SESSION ■ PUBLIC ARCHAEOLOGY I****Room:** West Meeting Room 206 (VCC)**Time:** 10:15 AM–12:00 PM**Chair:** David Pokotylo**Participants:**

- 10:15 Jack Rossen, Mahealani Pai and Keonelehua Kalawe—The Social Organization and Engineering of Agriculture at Maluaka in the South Kona Field System, Hawai'i Island
- 10:30 Della Scott-Ireton and Nicole Grinnan—Diving into the PAST: Public Engagement with Florida's Historic Shipwrecks
- 10:45 Aksel Casson—Developing Long-Term Public Archaeology in Slippery Rock, Pennsylvania
- 11:00 Alessandra Villarreal—Community Archaeology and Ancient Ceramics: Developing an Inclusive Research Design in San Jose Succotz, Belize
- 11:15 Mike Thomin—Archaeology in 3 Minutes: Multimedia Storytelling in Public Archaeology
- 11:30 Rachel Vara and Whitney Lytle—How I Spent My Summer Vacation: A Model for Archaeology Camps in Service of Public Outreach
- 11:45 David Pokotylo and Hend Mohammed—Public Opinion and Archaeological Heritage: An Initial Perspective from Egypt

**[44] GENERAL SESSION ■ HUMAN-ENVIRONMENT INTERACTIONS IN THE MAYA WORLD****Room:** West Meeting Room 210 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** Caroline Antonelli**Participants:**

- 10:30 Caroline Antonelli—The Myth of a Marginal Environment: Redefining a Yucatecan Landscape
- 10:45 Russell Greaves and Karen Kramer—Ethnoarchaeology of Natural Solution



- Cavities as Water Sources Affecting Settlement and Economic Activities in a Yucatec Maya Community, Mexico
- 11:00 Jeffrey Vadala and Jennifer Chmilar—Seasonal Rhythms and Quotidian Duties: Insights into the Impact of Environment on Structuring Daily Life Using El Eden Wetland, Quintana Roo, Mexico, as a Case Study
- 11:15 Jeff Bryant, Robert Feranec, Nayeli Jimenez Cano and Marilyn Masson—Investigating Seasonality of Fishing and Trade during the Maya Postclassic, with Otoliths Thin Sections from the Inland Site of Mayapán
- 11:30 Carrie Tucker, Nelda Issa Marengo, Ashuni E. Romero Butrón, Dominique Rissolo and Jeffrey B. Glover—Vista Alegre: Recent Excavations of an Ancient Maya Port Site along the North Coast of Quintana Roo, Mexico
- 11:45 Byron Smith—Land and Society: Evaluating Diversity in Land-Use Strategies among the Classic Lowland Maya through Terrace Design and Maintenance

**[45] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTH AMERICA I**

**Room:** East Meeting Room 10 (VCC)

**Time:** 10:30 AM–12:00 PM

**Chair:** Andre Carlo Colonese

**Participants:**

- 10:30 Andre Carlo Colonese, Cecile Brugere, Rafael Brandi, Arkley Bandeira and Alpina Begossi—Shifting the Paradigm of Coastal Archaeology in Latin America
- 10:45 Carola Flores-Fernandez, Laura Olguin, Diego Salazar and Eugenia M. Gayo—Relationships between Oceanographic and Social Changes on Fishermen Populations during the Middle Holocene: A Case Study from Taltal (25°C South), Northern Coast of Chile
- 11:00 Rafael Corteletti and Paulo DeBlasis—Bonin Site: A circular village on Southern Brazilian Highlands?
- 11:15 Sibeli Viana and Maria Gluchy—Technological Variability in the Ancient Holocene in the Central Plateau of Brazil and Border Southwestern Brazil with Uruguay
- 11:30 Jorge Flores—Yumbos and the Construction of Their Cultural Landscape
- 11:45 Anna Browne Ribeiro—“Um Lugar dos Antigos”: A Tiered Approach to Community-Driven Survey in Cultural Palimpsests of the Brazilian Amazon

**[46] POSTER SESSION ■ NORTH AMERICA: PACIFIC NORTHWEST II**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 46-a Robert Muir, Jesse Morin, Hilary Pennock, Sarah Dougan and Wedidi Speck—The Pentlatch Pebbles: Incised stones from an Ancient K'omoks Village Site in Courtenay, British Columbia
- 46-b Martina Steffen—Testing for Mass Processing in Archaeological Ungulate Remains
- 46-c Alexander Berry—Sea Level Fluctuations of the Southern Salish Sea: An Assessment of the Archaeological Potential for Sites Dating from the Last Glacial Maximum to the Holocene
- 46-d Hilary Hilmer and Ben A. Potter—Faunal Analysis of the Village Site, Healy Lake, Central Alaska
- 46-e Taylor Dodrill, Nicholas P. Jew, Scott M. Fitzpatrick, Connor Thorud and Martin Nelson-Harrington—New Archaeological Site Recording and Assessment along the Southern Oregon Coast
- 46-f Kathlyn Stewart, Grant Keddie, Susan Crockford, Gay Frederick and Rebecca J. Wigen—The Maplebank Site: New Findings and Reinterpretation along the North American Northwest Coast

- 46-g Dawn Ramsey Ford—Forgotten World War II Landscapes: Data Gaps in the Documentation of Fort J. H. Smith and Fort Tidball, Kodiak Island, Alaska
- 46-h Micca Metz—After the War: An Analysis of the Mortality of American Soldiers from the Last Century

**[47] POSTER SESSION ■ TECHNOLOGY, SUBSISTENCE, AND SETTLEMENT ON THE PACIFIC NORTHWEST COAST**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 47-a Stephanie Jolivette, Ross Smith and Shelby Anderson—Subsistence and Seasonality during the Thule Phase (ca. 1000 BP to Contact Era) at Point Spencer, Alaska
- 47-b Christina Neudorf, Nicole Smith, Dana Lepofsky, Ginevra Toniello and Olav Lian—Caught between a Rock and a Soft Place: Using Optical Dating to Date Ancient Clam Gardens on the Pacific Northwest
- 47-c Kate Yeske—Alaskan Game Drives: An Architectural Assessment
- 47-d Diana Ewing—Sinew Thread Production and Properties in Western Alaska
- 47-e Kelly Graf, Julie Esdale, Ted Goebel, Grant Zazula and Aureade Henry—Investigations of Late Glacial Occupations at the McDonald Creek Site, Central Alaska
- 47-f Rhy McMillan, Deidre Cullon and Heather Pratt—New Radiocarbon Dates and Methods for Elucidating the Extent and Timing of Use for Intertidal Fishing Features on the Northwest Coast
- 47-g François Lanoë, Joshua Reuther and Charles Holmes—Mobility and Resource Exploitation during the Late Glacial in the Shaw Creek Flats (Eastern Beringia)
- 47-h Jacob Salmen-Hartley—Material Technology as an Indicator of Past Species Size
- 47-i Kate Shantry—Burned Earth Without Cooking Stones—Cultural or Natural? Feature Deposition, Ethnobotany, and Analysis in Upland Puget Sound, Western Washington
- 47-j Jon Krier—Looking for Fish of the Right Age: Using GIS in Conjunction with Salmon Genetics to Identify Key Submerged Drainages

**[48] POSTER SESSION ■ ARCHAEOLOGY OF STRANDED, INTERTIDAL, AND SUBMERGED SHORELINES ON THE NORTHWEST COAST OF NORTH AMERICA II**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Participants:**

- 48-a Alex J. Nyers and Loren Davis—The Search for the First Americans on Oregon's Submerged Landforms: New Methods and Upcoming Research
- 48-b Kelly Monteleone, Andrew Wickeret and E. James Dixon—Underwater Archaeological Surveys in Shakan Bay, Southeast Alaska

**[49] POSTER SESSION ■ ARCHAEOLOGY OF STRANDED, INTERTIDAL, AND SUBMERGED SHORELINES ON THE NORTHWEST COAST OF NORTH AMERICA**

*(Sponsored by Hakai Institute)*

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 10:30 AM–12:30 PM

**Chairs:** Iain McKechnie and Quentin Mackie

**Participants:**

- 49-a Seonaid Duffield, Duncan McLaren and Iain McKechnie—Archaeological and Architectural Considerations of Intertidal Shellfish Use and Deposition on Hecate Island, Central Coast of British Columbia
- 49-b Alexandra Lausanne, Daryl Fedje, Quentin Mackie and Ian Walker—A Multi-method Approach to Prospecting Stranded Paleo-Coastal Sites on Quadra Island, British Columbia
- 49-c Keith Holmes, Will McInnes, Iain McKechnie, Dana Lepofsky and Darcy Mathews—Speed Mapping: Using Drones to Construct Imagery and Elevation Models of Cultural Intertidal Landscapes
- 49-d Risa Carlson—Raised Marine Predictive Model Advances Knowledge of Early Holocene Site Assemblages in Southern Southeast Alaska
- 49-e Travis Crowell, Dana Lepofsky and Daryl Fedje—Following the Shore: Refining Late Holocene Sea-Level Change through Settlement Histories on Northern Quadra Island, British Columbia
- 49-f Farid Rahemtulla—A Large Shell Midden Complex on the Outer Central Coast of British Columbia
- 49-g Jonathan Duels, Jacob Jones, Steve Mozarowski, John Maxwell and Bryn Letham—A Post-glacial Relative Sea-Level Curve and Paleoshoreline Archaeological Survey for the Prince Rupert Harbour, British Columbia, Canada
- 49-h Alisha Gauvreau and Duncan McLaren—Long-Term Culture Landscape Development at (Ektb-9) Triquet Island, British Columbia, Canada
- 49-i Duncan McLaren, Daryl Fedje, Gitla Elroy White, Seonaid Duffield and Alisha Gauvreau—Archaeological Investigations of the Intertidal Ecotone on the Central Pacific Coast of Canada
- 49-j Jenny Cohen, Quentin Mackie and Daryl Fedje—Kilgii Gwaay: An Early Holocene Archaeological Wet Site in the Modern Intertidal Zone of Haida Gwaii, British Columbia
- 49-k Colton Vogelaar and Quentin Mackie—Coastal Predictive Modeling for Early Period Archaeological Sites in a Landscape Subject to Rapidly Changing Sea Levels, Quadra Island, British Columbia
- 49-l Alexander Mackie, Nicole Smith, Colton Vogelaar, Quentin Mackie and Joanne McSparran—Coastal Settlement Patterns in British Columbia at the Pleistocene-Holocene Transition
- 49-m Deidre Cullon, Rhy McMillan and Heather Pratt—Archaeological Fish Traps on the Coast of British Columbia
- 49-n Quentin Mackie, Colton Vogelaar and Daryl Fedje—New Approaches to the Underwater Archaeology of Hecate Strait, Haida Gwaii, British Columbia
- 49-o Mark Williams—Shellfish Harvesting Strategies on the Northern Northwest Coast: Evidence from Labouchere Bay, Southeast Alaska
- 49-p Natasha Salter, Amy Groesbeck, Kirsten Rowell and Anne Salomon—Ancient Clam Gardens: Exploring Cultural and Ecological Mechanisms that Enhanced Clam Production

- [50] POSTER SESSION ■ COMPLEX FISHER-FORAGERS OF THE INTERIOR PACIFIC NORTHWEST: THE HOUSEPIT 54 PROJECT AT BRIDGE RIVER, BRITISH COLUMBIA**  
**Room:** East Exhibit Hall B Poster Entrance (VCC)  
**Time:** 10:30 AM–12:30 PM  
**Chair:** Anna Marie Prentiss

**Participants:**

- 50-a Anna Marie Prentiss and Thomas A. Foor—Housepit 54 at Bridge River: Seventeen Anthropogenic Floors in Time and Space
- 50-b Lindsay Scott, Anna Marie Prentiss and Matt Walsh—Borrowing and Inheritance: Testing Cultural Transmission Hypotheses in the Bridge River Housepit Village
- 50-c Lindsay Buff, Nathan Goodale, Heather Kendall, David G. Bailey and Anna Marie Prentiss—Sourcing FGV Artifacts Recovered from Housepit 54, Bridge River Housepit Village, British Columbia
- 50-d Kathryn Bobolinski—A Zooarchaeological Analysis of Housepit 54 at the Bridge River Site (EeR11), Middle Fraser British Columbia
- 50-e Sarah Nowell and Ashley Hampton—The Bone-Tool Assemblage from Housepit 54 at Bridge River
- 50-f Natasha Lyons and Anna Marie Prentiss—Exploring the Status of a Roasting Feature Complex along the Mid-Fraser Canyon, Bridge River Site, British Columbia
- 50-g Katie Neal, Ashley Hampton, Anna Marie Prentiss and Thomas A. Foor—Gendered Cooperation and Competition: A Multivariate Statistical Analysis of Floor Activity Patterns in Housepit 54
- 50-h Nathaniel Perhay, Nathan Goodale, David G. Bailey, Alissa Nauman and Anna Marie Prentiss—A Geochemical Investigation and Spatial Analysis of the Earliest Living Floors of Housepit 54, Bridge River British Columbia
- 50-i Ethan Ryan, Pei-Lin Yu and Matthew Schmader—Household Hearth-Centered Activity Areas and Cache Pit Patterning at the Bridge River Site
- 50-j Emilia Tifental and Kathryn Bobolinski—Housepit 54: Dogs and Their Changing Roles
- 50-k Dongya Yang, Antonia Rodrigues, Anna Marie Prentiss, Eleanor Green and Camilla Speller—An Archaeological Investigation into the Genetic and Dietary Histories of Dogs at the Bridge River Site, British Columbia
- 50-l Alejandra Diaz, Anna Marie Prentiss, Rebecca Macdonald, Olaf Nehlich and Michael P. Richards—Diet and Mobility on the Canadian Plateau: Isotopic Analysis of Domestic Dogs and Other Fauna from the Bridge River Site
- 50-m Meradeth Snow, Clare Super and Anna Marie Prentiss—Ancient DNA from Stone Tools
- 50-n Kristen Barnett—Community Perceptions and Effects of the Bridge River Community Archaeological Project, 2012–2016

- [51] POSTER SESSION ■ PALEOARCHAIC SETTLEMENT OF THE SOUTH SALISH SEA DURING THE LATE PLEISTOCENE-HOLOCENE TRANSITION: A VIEW FROM BEAR CREEK (45K1839)**  
**Room:** East Exhibit Hall B Poster Entrance (VCC)  
**Time:** 10:30 AM–12:30 PM  
**Chair:** Robert Kopperl

**Participants:**

- 51-a Robert Kopperl, Kenneth M. Ames and Christian Miss—Bear Creek (45K1839) Data Recovery Investigation and the Paleoarchaic Settlement of the South Salish Sea during the Late Pleistocene-Holocene Transition
- 51-b Brandy Rinck—Micromorphological Analysis of Thin Sections from Bear Creek (45K1839), Redmond, King County, Washington

- 51-c Charles Hodges—Late Pleistocene-Holocene (LPH) Paleogeography of the Bear Creek Site (45K1832), Puget Lowland, Western Washington
- 51-d Jack Johnson—Chronometry at Bear Creek, a ~12,000-Year-Old Site in Western Washington
- 51-e Charlotte Beck and Amanda Taylor—Bear Creek and the Pacific Northwest Western Stemmed Tradition

**[52] GENERAL SESSION ■ THE ARCHAEOLOGICAL NORTHEAST**

**Room:** East Meeting Room 4 (VCC)

**Time:** 10:45 AM–12:00 PM

**Chair:** Michael Deal

**Participants:**

- 10:45 Nina Schreiner and Kathleen M. S. Allen—Early Contact Period Shell Trade and Bead Manufacture at a Cayuga Iroquois Site
- 11:00 Michael Deal, John Campbell and Bryn Tapper—A New Approach to Precontact Archaeological Research on the Annapolis River System, Nova Scotia, Canada
- 11:15 Justin Reamer—Reconsidering the Monuments of the Precontact Peoples of the Northeastern United States
- 11:30 Steven Howard—The Karl Site: New Insights on Archaeology in the Upper Allegheny Valley and Life during the Archaic Period
- 11:45 Kyle Forsythe—Ceremonial Artifact Breakage in the Archaic Period of Eastern North America

**[53] GENERAL SESSION ■ RECENT DEVELOPMENTS IN ARCHAEOBOTANY AND PALEOETHNOBOTANY**

**Room:** East Meeting Room 7 (VCC)

**Time:** 11:00 AM–12:00 PM

**Participants:**

- 11:00 Charlene Murphy—Using Computerized X-ray Tomography to Track Rates of Agricultural Domestication Using Seed Coat Thickness
- 11:15 Emilio Ibarra and Laura Ortíz-Tenorio—Los Microrrestos Botánicos (Polen) en Ofrendas y Rellenos Constructivos del Área de Tlaltecuiltli
- 11:30 James Countryman and Gregory Zaro—Agrarian Landscapes of Coastal Croatia: A View from Nadin-Gradina
- 11:45 Andrew Weiland, Laura Crawford and Bret J. Ruby—Fires at Axis Mundi: Macro- and Microbotanical Investigations of a Hopewell Woodhenge

**[54] GENERAL SESSION ■ AFRICAN LITHIC STUDIES I**

**Room:** East Meeting Room 5 (VCC)

**Time:** 11:00 AM–12:00 PM

**Chair:** Matthew Kroot

**Participants:**

- 11:00 Marika Low and Alex Mackay—The Organization of Hornfels Blade Production during the Early Later Stone Age (ELSA) in the Eastern Cederberg, Western Cape, South Africa
- 11:15 Matthew Kroot—Back to Basics: Analyzing Knapped Stone Recovered during Survey in Southeastern Senegal
- 11:30 Theodore Marks, Grant McCall, James Enloe, Andrew Schroll and James McGrath—Sourcing Lithic Raw Materials in the Namib Desert: Exploring Land Use and Technological Organization
- 11:45 Deborah Olszewski and Brenda Baker—The Later Stone Age in the Fourth Cataract Region, Sudan: Lithic Assemblage Features at ASU 09–02

## Thursday Afternoon ■ March 30, 2017

**[55A] THE ETHICS BOWL****Room:** West Meeting Room 208 (VCC)**Time:** 1:00 PM–3:00 PM**[55] GENERAL SESSION ■ AFRICAN LITHIC STUDIES II****Room:** East Meeting Room 5 (VCC)**Time:** 1:00 PM–2:00 PM**Chair:** Elizabeth Hart**Participants:**

- 1:00 Abebe Taffere—Terminal Pleistocene Lithic Technology and Adaptation from Bulbula River B1s4 Site, Ziway-Shala Basin, Ethiopia
- 1:15 Joseph Werner—Multiple Functions for an Assemblage of Middle Stone Age Points: Use-Wear Evidence from Magubike Rockshelter, Tanzania
- 1:30 Benjamin Smith—Ground Stone Technology in the Late Pleistocene Horn of Africa: An Assemblage from Mochena Borago Rockshelter, Southwest Ethiopia
- 1:45 Elizabeth Hart—Lithic Artifact Production at the Large-Scale Pharaonic Chert Quarries of Wadi El-Sheikh, Egypt

**[56] GENERAL SESSION ■ INCAN ARCHAEOLOGY I****Room:** West Meeting Room 205 (VCC)**Time:** 1:00 PM–2:15 PM**Chair:** Patricia Chirinos Ogata**Participants:**

- 1:00 Patricia Chirinos Ogata—Incas in the Northern Highlands: Late Horizon Evidence at Ichabamba in the Condebamba Valley
- 1:15 Edines Pebe and Bryan Núñez Aparcana—Inca Road Emplacement: The Case of Canturillas–Nieve-Nieve in the Lurin Valley, Huarochiri, Lima, Peru
- 1:30 Reinaldo Moralejo and Diego Gobbo—Mobility Network in El Shincal de Quimivil (Londres, Catamarca, Northwest Argentina)
- 1:45 Matthew Warren—Maintaining an Imperial Borderland: Inka and Indigenous Activities and Interactions in a Threatened Eastern Andean Valley
- 2:00 Miguel Fuentes—Settlement Pattern Transformation in the Arica Highlands during the Late Intermediate and the Late Periods (Fourteenth–Fifteenth Centuries): The Role of Zapahuira and the Incan Tambo Network System and Its Relationship with Local Communities

**[57] SYMPOSIUM ■ EARTH OBSERVATION FOR ARCHAEOLOGY IN ARID LANDS****Room:** West Meeting Room 209 (VCC)**Time:** 1:00 PM–2:30 PM**Chairs:** Francesc C. Conesa and Stefano Biagetti**Participants:**

- 1:00 Nichole Sheldrick—Endangered Archaeology in Arid Lands: Remote Sensing and Heritage Management
- 1:15 Steve Markofsky—There's Sand in the Sensor! EO Approaches to Interpreting Delta-Desert Transitional Environments
- 1:30 Stefano Biagetti, Stefania Merlo, Elhadi Adam, Francesc C. Conesa and Enrico Crema—Remote Sensing for Late Holocene Archaeology in Central Sahara: A Multiscalar Approach
- 1:45 Francesc C. Conesa, Agustin Lobo, Stefano Biagetti and Marco Madella—Looking for Green Grass in the Desert: Methods for Land-Cover Classification in Drylands

- 2:00 Tuna Kalayci—A Satellite Remote Sensing Model for the Ancient Traffic in Upper Mesopotamia
- 2:15 Austin Hill and Yorke Rowan—Drones in the Desert: Unpiloted Aerial Vehicle (UAV) Survey in the Black Desert, Jordan

**[58] SYMPOSIUM ■ CASTING EMPIRE: METAL PRODUCTION IN EARLY IMPERIAL CHINA**  
**Room:** East Meeting Room 19 (VCC)  
**Time:** 1:00 PM–2:30 PM  
**Chairs:** WengCheong Lam and Xiuzhen Li

**Participants:**

- 1:00 Xiuzhen Li, Marcos Martínón-Torres, Andrew Bevan and Thilo Rehren—Casting Metals for the Qin First Emperor and His Underground Empire
- 1:15 Jianli Chen—Discussant
- 1:30 Zhouyu Zhang and Jianli Chen—How the Han Empire Managed Large-Scale Iron Production: A Study Report of Iron Smelting Sites in Shandong Province and Henan Province
- 1:45 Shuxiang Chen and Qifeng Xi—The Management of Techniques and Labor in Copper Production: Based on the New Materials in Tonglushan Sifangtang Cemetery
- 2:00 Huaiying Chang—Resources, Technology, and Distribution: A Discussion on Models of Early Bronze Production in China
- 2:15 WengCheong Lam, Liangbo Lv and Qianglu Zhang—Archaeology of Iron in the Lingnan Region and the Imperial Strategy of the Han Dynasty in Its Southern Peripheries

**[59] GENERAL SESSION ■ ARCHAEOLOGY IN THE AMERICAN SOUTHWEST II**  
**Room:** East Meeting Room 15 (VCC)  
**Time:** 1:00 PM–2:30 PM  
**Chair:** Jacqueline Kocer

**Participants:**

- 1:00 Jill Neitzel—Entangled Prehistories: A Physics Idea and Culture Change in Chaco Canyon
- 1:15 Andrew Gillreath-Brown—Looking Outward from the Village: The Effects of Soil Moisture on Prehistoric Cropland in the Central Mesa Verde Region
- 1:30 Candice Disque—Can Architecture Reveal Elements of Ethnicity? A Case Study Using Ancestral Puebloan Built Form Aimed at Identifying Intracultural Variation in the Greater Mesa Verde Region during the Pueblo III Period
- 1:45 Jacqueline Kocer—Why Fake It? Counterfeits, Emulation, and Mimicry: Symbolic and Practical Motives for the Imitation of Crafts
- 2:00 Ian Milliken, Jerome Hesse, Suzanne Grisat and Douglas Gann—Tracking the Footprints of Early Agricultural Farmers in Tucson, Arizona
- 2:15 Kristin Safi—A Costly Signaling Model for Chacoan Great House Construction

**[60] SYMPOSIUM ■ PRECOLUMBIAN TEXTILE TOOLS AND TECHNOLOGIES: CASE STUDIES FROM NORTH AMERICA AND MESOAMERICA****Room:** East Meeting Room 17 (VCC)**Time:** 1:00 PM–2:45 PM**Chairs:** Gabrielle Vail and Billie Follensbee**Participants:**

- 1:00 Billie Follensbee—Nets, Gauges, and Weights: More on Formative Period Gulf Coast Textiles and Technologies
- 1:15 Lois Martin—Direction, Gender, and Cosmology in the Precolumbian Textile Technologies of Mesoamerica
- 1:30 Gabrielle Vail and Jeffrey Splitstoser—Mesoamerican Spindle Whorls from a Technological and Ideological Perspective
- 1:45 Linda Hylkema—Weaving the Strands of Evidence: Multifaceted Confirmation of Textile Production and Use at Mission Santa Clara de Asis
- 2:00 Marion Coe—Wild Plant Fiber Processing and Technological Organization: Holocene Perishable Artifact Production in the Bonneville Basin
- 2:15 Erin Gearty, Laurie Webster, Benjamin Aaron Bellorado and Louie Garcia—Rare Glimpses: Well-Preserved Weaving Tools, Technologies, and Textiles from the North American Southwest
- 2:30 Jeffrey Splitstoser—Discussant

**[61] SYMPOSIUM ■ MAKING FAUNA MATTER IN ARCHAIC PERIOD RESEARCH: EXPLORING ADAPTATION, POPULATION GROWTH, AND CULTURAL PRACTICE THROUGH THE DIGITAL INTEGRATION OF EASTERN ARCHAIC FAUNAL DATASETS****Room:** East Meeting Room 18 (VCC)**Time:** 1:00 PM–2:45 PM**Chair:** Sarah Neusius**Participants:**

- 1:00 Sarah Neusius and Bonnie Styles—The EAFWG and Multiscale Analyses of the Use of Fauna during the Archaic Period in the Interior Eastern Woodlands
- 1:15 Bonnie Styles, Mona Colburn and Sarah Neusius—Exploring Comparability of Archaic Period Faunal Datasets for the Interior Eastern United States
- 1:30 Scott Rivas and Sarah Neusius—Second Line Resources? Evaluating the Relationship between Human Demography and Aquatic Resource Use during the Eastern Archaic
- 1:45 Beverley Smith, Bonnie Styles, Sarah Neusius and Steven R. Kuehn—Exploring the Effects of Stabilizing Riverine and Lacustrine Environments on Archaic Faunal Exploitation in the Great Lakes and Prairie Peninsula
- 2:00 Tanya Peres, Renee Walker and George Crothers—Archaic Fishing in the Eastern Woodlands: An Examination of Social Causes and Environmental Variation
- 2:15 Katherine Spielmann—Discussant
- 2:30 Richard Jefferies—Discussant

**[62] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTH AMERICA II****Room:** East Meeting Room 16 (VCC)**Time:** 1:00 PM–2:45 PM**Chair:** Myrtle Shock**Participants:**

- 1:00 Rachael Penfil, Patrick Ryan Williams, M. Elizabeth Grávalos and Lauren Monz—Craft Production at Cerro Baúl: Unattached Specialization on the Wari Frontier



- 1:15 Mauricio Torres, Andrea Chávez, Andrea Méndez and Byron Ortiz—Proyecto Arqueológico Cochasqui-Mojanda
- 1:30 Marcos Magalhães—A Cultura Tropical e a Origem da Antropização da Amazônia
- 1:45 Rosicler Silva, Julio Cezar Rubin, Francisco Lorenzo and Daniel Correa—Natural Processes and Anthropic Action: Compromising the Archaeological Heritage in the South-West of the State of Goiás
- 2:00 Myrtle Shock, Laura Furquim, Jennifer Watling and Eduardo Neves—Extinct Mid-Holocene Maize from the Monte Castelo Shell Mound, Rondônia, Brazil
- 2:15 Helena Horta, Paz Núñez-Regueiro, Clotilde Castelli, Valentina Figueroa and Catherine Lavier—Recovering the Iconography of the One Snuff Tray Ever Collected in Tiahuanaco (Bolivia)
- 2:30 Nora V. Franco, Danae Fiore, Agustín Acevedo, María Virginia Mancini and George A. Brook—The Southern Deseado Massif (Patagonia, Argentina): Spatial Knowledge and Changes in Its Use from the Pleistocene-Holocene Transition to the Late Holocene

**[63] FORUM ■ REPATRIATION 101**  
**Room:** East Meeting Room 3 (VCC)  
**Time:** 1:00 PM–3:00 PM  
**Moderator:** Dorothy Lippert

**Participants:**

Chris Dudar—Discussant  
Desiree Martinez—Discussant  
Jayne-Leigh Thomas—Discussant  
Wendy G. Teeter—Discussant

**[64] FORUM ■ AFRO-LATIN AMERICAN ARCHAEOLOGY**  
**Room:** East Meeting Room 20 (VCC)  
**Time:** 1:00 PM–3:00 PM  
**Moderators:** Kathryn Sampeck, Theresa Singleton and Jeffrey Quilter

**Participants:**

Adela Amaral—Discussant  
Anna Browne Ribeiro—Discussant  
Krista Eschbach—Discussant  
Kenneth Kelly—Discussant  
Kristina Lee—Discussant  
Claire K. Maass—Discussant  
Guido Pezzarossi—Discussant  
Rus Sheptak—Discussant  
Frederick Smith—Discussant  
Parker VanValkenburgh—Discussant  
Brendan Weaver—Discussant  
Julie K. Wesp—Discussant

**[65] FORUM ■ PERTURBING THE PEACE: A TRIBUTE TO JOAN GERO**  
**Room:** East Meeting Room 7 (VCC)  
**Time:** 1:00 PM–3:00 PM  
**Moderators:** Tamara Bray and Benjamin Alberti

**Participants:**

H. Martin Wobst—Discussant  
Margaret Conkey—Discussant

Alison Wylie—Discussant  
 Silvia Tomaskova—Discussant  
 Yvonne Marshall—Discussant  
 Christine A. Hastorf—Discussant  
 Anne Pyburn—Discussant  
 Claire Smith—Discussant  
 Anita Cook—Discussant  
 Stanton Green—Discussant  
 Axel Nielsen—Discussant  
 Jack Rossen—Discussant

**[66] FORUM ■ METADATA AND DIGITAL MANAGEMENT IN ARCHAEOLOGY TODAY**

**Room:** East Meeting Room 4 (VCC)

**Time:** 1:00 PM–3:00 PM

**Moderator:** Paulina Przystupa

**Participants:**

C. L. Kieffer—Discussant  
 Nancy Hoffman—Discussant  
 Francis McManamon—Discussant  
 Kelsey Noack Myers—Discussant  
 Melissa Cerda—Discussant  
 Robert Heckman—Discussant  
 Jolene Smith—Discussant  
 Eric Kansa—Discussant

**[67] LIGHTNING ROUNDS ■ THE QUESTION OF C-SHAPED STRUCTURES ACROSS THE MAYA LOWLANDS**

**Room:** East Meeting Room 9 (VCC)

**Time:** 1:00 PM–3:00 PM

**Moderators:** Justine Shaw and Rebecca Hill

**Participants:**

Timothy Pugh—Discussant  
 Kevin Schwarz—Discussant  
 Norman Hammond—Discussant  
 Iken Paap—Discussant  
 Tomás Gallareta Negrón—Discussant  
 Rebecca Hill—Discussant  
 Justine Shaw—Discussant  
 George J. Bey—Discussant

**[68] SYMPOSIUM ■ CONTESTED CAVES: THE POLITICS OF UNDERGROUND PLACES**

**Room:** West Meeting Room 203 (VCC)

**Time:** 1:00 PM–3:30 PM

**Chair:** Robin Skeates

**Participants:**

1:00 Clive Bonsall and Adina Boroneanț—Filling the Gap: Caves, Radiocarbon Sequences, and the Meso-Neolithic Transition in Southeast Europe  
 1:15 Lindsey Büster and Ian Armit—Violence, Politics, and Power: Iron Age and Pictish Reinventions of a Prehistoric Mortuary Landscape at the Sculptor's Cave, Northeast Scotland  
 1:30 Knut Andreas Bergsvik—The Ambivalence of Caves and Rockshelters in Medieval Norway

- 1:45 Brian Hayden—The Secrets in Caves: Use of Caves by Secret Societies  
2:00 Joseph Douglas—Marking the (Under)Ground: Civil War Soldier Graffiti in the Mammoth Cave Region of Kentucky  
2:15 Ann Scott and Judith Maxwell—The Politics in Places: An Ethnographic Picture of Highland Maya Use of Caves and Other Landscape Voids in Guatemala  
2:30 Agni Prijatelj—White Bones in Black Caves: Cave Burials and Social Memory  
2:45 Scott Nicolay—Over, Under, Sideways, Down: Cave Shrines and Settlement in Southwest Prehistory  
3:00 Erin Ray and Holley Moyes—The Archaeologists Role in Looting: Commodity Fetishism and the Tragedy of the Commons  
3:15 Questions and Answers

**[69] GENERAL SESSION ■ ARCHAEOLOGY OF THE CARIBBEAN I**

**Room:** East Meeting Room 14 (VCC)

**Time:** 1:00 PM–3:15 PM

**Chair:** Jenny Riley

**Participants:**

- 1:00 Jan Pérez and Isabel Rivera-Collazo—Using Surface Chemical Markers to Identify Patterns of Human Activity: The Case of Tierras Nuevas, Puerto Rico  
1:15 Kirsten Ziesemer, Allison E. Mann, Bernd W. Brandt, Corinne L. Hofman and Christina Warinner—New Approaches to Study Health and Disease in the Precolonial Circum-Caribbean  
1:30 Thomas Breukel—Jade Axes from the Site of Pearls, Grenada: A Field-Based Microwear Analysis  
1:45 Christophe Snoeck, Joanna Ostapkowicz, Rick J. Schulting, John Pouncett and Philippe Claeys—Strontium Provenancing Wooden Artifacts from Pitch Lake, Trinidad  
2:00 Angus Mol, Hayley Mickleburgh and Menno Hoogland—Networks of the Dead: Exploring Patterns of Homogeneity and Diversity in the Precolonial Caribbean Using Network Analysis  
2:15 Nadine Kanik, Yadira Chinique de Armas, Mirjana Roksandic and William Buhay—Determining Local Marine Reservoir Effect  $\Delta R$  Correction Factors for Cuba  
2:30 Jenny Riley—Results from a Bone Surface Modification Analysis of Sloth Bones from Padre Nuestro Cavern, Dominican Republic  
2:45 Elizabeth Ramos—Applied Zooarchaeology, Food Practices, Conservation Biology Programs, and Contemporary Cultural Traditions in the Caribbean Region of Colombia  
3:00 Lara Sanchez-Morales—The Impacts of Cattle Introduction in Puerto Rican Landscapes during the Colonial Period

**[70] SYMPOSIUM ■ THE FUTURE OF FUNDING FOR ARCHAEOLOGY**

**Room:** West Meeting Room 202 (VCC)

**Time:** 1:00 PM–3:45 PM

**Chairs:** Peter Gould and Ran Boytner

**Participants:**

- 1:00 Peter Gould—Value and Impact: The New Philanthropy and Funding Archaeology  
1:15 John Yellen—The Framework for National Science Foundation Funding of Archaeological Research  
1:30 Mark Aldenderfer and Leslie Aiello—Wenner-Gren Foundation Funding for Archaeology  
1:45 Christopher Thornton—Funding “The Human Story” at National Geographic

- 2:00 Robert Bewley—Basket Case? Finding Funding for Archaeological Projects—A European Perspective
- 2:15 Ran Boytner and Danny Zborover—Market Economy Solutions to Funding
- 2:30 Willeke Wendrich—The Hidden Costs of Archaeology
- 2:45 Michael Ashley, Chris Webster and Ruth Tringham—The Benefits of B Corps for Building Sustainable Social Enterprises in Archaeology
- 3:00 Brendon Wilkins—Crowdfunding, Crowdsourcing, and the Collaborative Economy: Old Wine/New Bottles, or Genuine Game Changer for Archaeology?
- 3:15 Benjamin Porter—Discussant
- 3:30 Susan Alcock—Discussant

**[71] SYMPOSIUM ■ COPAN II: THE LATE CLASSIC, TERMINAL CLASSIC, AND POSTCLASSIC PERIODS**

**Room:** East Ballroom A (VCC)

**Time:** 1:00 PM–3:45 PM

**Chair:** Edy Barrios

**Participants:**

- 1:00 XinWei Li and Jorge Ramos—Reconstructions of 8N-11 and Reforms of Late Classic Copan
- 1:15 Anarrubenia P. Capellin Ortega, Cameron L. McNeil and Edy Barrios—Investigating Ancient Foodways in the Copan Valley: Macrobotanicals from Late Classic, Terminal Classic, and Postclassic Middens in the Río Amarillo East Pocket
- 1:30 Erlend Johnson, Ellen Bell and Marcello A. Canuto—Tracing the Emergence of Maya Lordship at Secondary Centers of the Copan Polity: An Examination of Residential Differentiation and Access at Centers in the Cucuyagua and El Paraiso Valleys
- 1:45 Nathan Meissner, Marc Marino and Emmalea Gomberg—Political Dynamics and the Organization of Chert Production in the Copán Valley
- 2:00 Cassandra Bill—Material Culture Correlates of Polity Restructuring and Decline: Changes in Ceramic Production and Use at the End of the Late Classic Period in the Copan Valley
- 2:15 David Webster—Creeping Collapse at Copan
- 2:30 Kristin Landau—The Consequences of State Collapse: Evidence from the San Lucas Neighborhood during the Terminal Classic
- 2:45 Cameron L. McNeil, Edy Barrios, Bryce Brown, Richard Terry and Shanti Morell-Hart—Tracing Pathways of Power, Identity, and Landscape at Río Amarillo, Copan Valley, Honduras
- 3:00 Edy Barrios, Cameron L. McNeil, Mauricio Díaz, Antolín Velásquez and Walter Burgos—Community Resilience in the Río Amarillo East Pocket: Commoner Occupation around Río Amarillo and Quebrada Piedras Negras at the end of Late Classic through Postclassic Periods
- 3:15 William Fash—Discussant
- 3:30 Questions and Answers

**[72] SYMPOSIUM ■ LIFEWAYS IN BRONZE AGE CHINA**

**Room:** East Meeting Room 2 (VCC)

**Time:** 1:00 PM–3:45 PM

**Chairs:** Steffan Gordon, Natasha Osing and Jasmine Sacharuk

**Participants:**

- 1:00 Natasha Osing, Mengyang Wu and Yuling He—Preliminary Results from a Multi-methodological Approach on a Refuse Pit from the Middle Shang Period at Huanbei
- 1:15 Katrinka Reinhart—Daily Life and Ritual at Yanshi Shangcheng: Subterranean Deposition and the Puzzle of Blended Deposits
- 1:30 Lauren Ledin and Hongbin Yue—Foundations of Childhood: Bioarchaeology of Subadults at the Late Shang Capital of Yinxu
- 1:45 Steffan Gordon, Hongbin Yue and Zhanwei Yue—Back to the Earth: Construction and Closure of a Late Shang Dynasty Structure
- 2:00 Li Zhang—The Landscape of China's Participation in the Bronze Age Eurasian Network
- 2:15 Yu Liu, Jigen Tang and Jianyu Liu—Pursuing the Mineral Sources of Yinxu Bronze Objects (13th–11th BC): Study on the Lead Ingots from Anyang, China
- 2:30 Yi-Ling Lin, Yuling He, Zezhen Pan and Daniel Giammar—Trace Metals in Soils as Indicators of Past Human Activities at Hanwangdu East, Anyang, China
- 2:45 Hui Chen, Zhichun Jing, Changping Zhang and Weidong Hou—A Comparative Study on Ceramic Production from Central Plain China and South China in Early Shang Dynasty
- 3:00 Jasmine Sacharuk and Hongbin Yue—Late Shang Cooking and Cooking Technology from Yinxu, China
- 3:15 Tingting Wang, YaoWu Hu, Benjamin Fuller and Dong Wei—Tianshanbeilu and the Isotopic Millet Road: Reviewing the Late Neolithic/Bronze Age Radiation of Human Millet Consumption from North China to Europe
- 3:30 Questions and Answers

**[73] SYMPOSIUM ■ CONTINUITY AND CHANGE, TWO DECADES OF EXCAVATION AND RESEARCH AT ÇATALHÖYÜK**

**Room:** West Meeting Room 210 (VCC)

**Time:** 1:00 PM–3:45 PM

**Chairs:** Lindsay Der and Justine Issavi

**Participants:**

- 1:00 Burcu Tung—Excavation Narratives and Reflexive Practices at Çatalhöyük
- 1:15 Dominik Lukas and Claudia Engel—Changing Technologies, Changing Practices: The Transformation of the Çatalhöyük Research Database
- 1:30 Jesse Wolfhagen—More Than a Source of Data: The Benefits of Active Collaboration between Macrofaunal and Specialist Analyses at Neolithic Çatalhöyük
- 1:45 Scott Haddow—(Re)new(ed) Perspectives on Mortuary Practices at Neolithic Çatalhöyük
- 2:00 Gesualdo Busacca—The Long Life of the Transient: Investigating Painted Plasters at Çatalhöyük
- 2:15 Barbara Betz and Jessica Pearson—Recontextualizing the Dead: A Geospatial Approach to Synthesizing Bioarchaeological Data at Çatalhöyük
- 2:30 Ashley Lingle—Reflexive Conservation Research at Çatalhöyük
- 2:45 Lindsay Der—From Goddesses to Zoomorphs: Figuring Out Figurines at Çatalhöyük
- 3:00 Justine Issavi—Trash Talk: (Re)evaluating External Spaces at Çatalhöyük, Turkey

- 3:15 Camilla Mazzucato—Weaving the Fabric of Society at Çatalhöyük: A Socio-Material Network Approach to the Study of Early Agricultural Settled Life, Social Structure, and Differentiation
- 3:30 Edward Banning—Discussant

**[74] SYMPOSIUM ■ GENDER, RACE, AND OTHER CONSEQUENTIAL CATEGORIES:  
EXPERIMENTS IN INTERSECTIONAL ARCHAEOLOGY**

**Room:** East Meeting Room 13 (VCC)

**Time:** 1:00 PM–4:00 PM

**Chairs:** Christina Hodge and Jessica Striebel MacLean

**Participants:**

- 1:00 Alison Damick—Leaving the Blanks Unfilled: A Case Study in Productive Ambiguity from Early Bronze Age Lebanon
- 1:15 Lewis Borck and Leslie Aragon—Using a Sexualized Ritual Landscape to Ontographically Examine Hohokam Gender Stereotypes
- 1:30 Christina Hodge—An Intersectional Archaeology of Colonial White Male Privilege?
- 1:45 Jessica Striebel MacLean—At the Intersection: Destabilizing White Creole Masculinity at the Eighteenth-Century Little Bay Plantation, Montserrat, West Indies
- 2:00 Mary Elizabeth Ibarrola—Resistance and Intersectionality in Maroon Archaeology
- 2:15 Lori Lee—Intersectionality and Health Consumerism in Antebellum Virginia
- 2:30 Erin Schwartz—Inequality in the Academy: An Intersectional Analysis of Young College Men in Nineteenth-Century Lexington, Virginia
- 2:45 Katrina Eichner—Entangled Identities on the American Frontier: Army Laundresses as Cultural Brokers at Nineteenth-Century Fort Davis, Texas
- 3:00 Meredith Linn—“Irish Fever”: How the Intersection of Ethnicity, Class, and Typhus Fever created an Epidemic of Prejudice in Nineteenth-century NYC
- 3:15 Suzanne Spencer-Wood—Intersectional Feminist Theory and Materializations of Diverse Plural, Fluid, Multivalent, Intersectional Gender Identities in the Historic Jewish Diaspora on Greater Boston’s Landscape
- 3:30 Laura Heath-Stout—An Intersectional Study of Authorship and Citation in *American Antiquity*, *Latin American Antiquity*, and *Advances in Archaeological Practice*
- 3:45 Questions and Answers

**[75] SYMPOSIUM ■ ARCHAEOLOGICAL MICROHISTORY AT A PLANNED COLONIAL TOWN IN HIGHLAND PERU**

**Room:** West Meeting Room 206 (VCC)

**Time:** 1:00 PM–4:15 PM

**Chair:** Steven A. Wernke

**Participants:**

- 1:00 Steven A. Wernke—Irreducible Reducción: Archaeological Microhistory at Mawchu Llaqta, a Planned Colonial Town in Highland Peru
- 1:15 Jordan Downey, Oliver Hegge, Kari Lentz and Steven A. Wernke—Photogrammetry All the Way Down: Multiscalar and Multiplatform Photogrammetry as Primary Spatial Registry in a Large Excavation Project
- 1:30 Oliver Hegge and Stephen Yerka—Space Is the Place: Integrating Context through GIS and Geophysical Surveys at Santa Cruz de Tuti, Peru
- 1:45 Abel Traslavina Arias and Steven A. Wernke—Remodeling the Liturgical “Backstage” of the Parish of Santa Cruz de Tuti, Colca Valley (Arequipa, Peru)

- 2:00 Arlen Mildred Talaverano Sanchez, William McCollum and Steven A. Wernke—  
Uso de un Espacio Sagrado: Excavaciones de la Sacristía de una Reducción  
Colonial en la Sierra Sur del Perú
- 2:15 Samantha Seyler—Liturgical Textiles from the Spanish Colonial Reducción of  
Santa Cruz de Tuti, Colca Valley, Peru
- 2:30 Sara L. Juengst, Manuel Mamani and Karissa Deiter—Stress and Daily Life in an  
Andean Reducción Town: Preliminary Osteological Analyses of Juvenile Burials  
in a Church Sacristy
- 2:45 Karissa Deiter, Sara L. Juengst, Manuel Mamani and Antonio Villaseñor-  
Marchal—Mortuary Analysis of Juvenile Burials in the Sacristy of a Spanish  
Colonial Reducción in the Southern Highlands of Peru
- 3:00 Bethany Whitlock and Kari Lentz—A Rectory Divided: Mediation of Space in a  
Colonial Town in the Southern Peruvian Highlands
- 3:15 Stephen Berquist, Erick Casanova Vasquez, Abigail Gamble, Samantha Seyler  
and Steven A. Wernke—Lite Domestic Spaces and Daily Life in a Reducción
- 3:30 Erick Casanova Vasquez, Abigail Gamble, Beau Murphy, Karissa Dieter and  
Steven A. Wernke—Houses of Colonial Chiefly Authority: Local Elites in the  
Social Order of Mawchu Llacta, a Colonial Reducción Town in the Southern  
Highlands of Peru
- 3:45 Manuel Mamani and Jesus Mamani—Continuidad y Cambio: Un Estudio  
Comparativo e Interpretativo de los Espacios Domésticos de Mawchu Llacta
- 4:00 Questions and Answers

**[76] SYMPOSIUM ■ WHAT TO DO WITH “MEGASITES” IN PREHISTORY? FURTHER  
EXPLORING THE “MEGASITE” CONUNDRUM**

**Room:** East Meeting Room 10 (VCC)

**Time:** 1:00 PM–4:30 PM

**Chair:** Kirrily White

**Participants:**

- 1:00 Anne P. Underhill, Fengshi Luan and Fen Wang—Variation in Large Sites from  
the Longshan Period of Northern China
- 1:15 Rowan Flad—Large Walled Sites on the Chengdu Plain, Sichuan, China:  
Shifting Centers of Regional Emphasis
- 1:30 Jason Ur—Mesopotamian Megasites before Uruk
- 1:45 Marco Nebbia—Early Cities or Large Villages? Settlement Dynamics in the  
Trypillia Group, Ukraine
- 2:00 Rachael Lane—Apples and Oranges? Positioning Regional Archaeology in a  
Global Perspective
- 2:15 Bernhard Heeb, Alexandru Szentmiklosi and Rüdiger Krause—Cornești-Iarcuri:  
Ten Years of Research at the Largest Prehistoric Site in Europe
- 2:30 Andrew Reid—Longevity and Authority in a Mobile World the Megasites of the  
Ugandan Grasslands
- 2:45 William Rust—Evidence for Complex Society at Middle Preclassic La Venta  
Settlements
- 3:00 Matthew Piscitelli—Reevaluating the Case for America’s First Cities: Evidence  
from the Norte Chico Region of Peru
- 3:15 James Johnson and Timothy Taylor—The Emergence of the Bel’sk Settlement  
Complex: Landscape, Population Histories, and Social Structure
- 3:30 Patricia McAnany—Discussant
- 3:45 Roland Fletcher—Discussant
- 4:00 Nam Kim—Discussant
- 4:15 Questions and Answers

**[77] SYMPOSIUM ■ HISTORICAL ECOLOGY FOR APPLIED ARCHAEOLOGY: CLIMATE CHANGE, RESOURCE MANAGEMENT, AND GOVERNANCE****Room:** West Meeting Room 207 (VCC)**Time:** 1:00 PM–4:45 PM**Chairs:** Chelsey Geralda Armstrong and Jacob Earnshaw**Participants:**

- 1:00 Kevin Gibbons—Icelandic Livestock and Landscapes: Biometrical Signatures of Land Surface Change
- 1:15 Nicole Smith, Skye Augustine, Dana Lepofsky, Christina Neudorf and Keith Holmes—Clam Gardens: Ancient and Living Landscapes in the Salish Sea
- 1:30 Chelsey Geralda Armstrong, Dana Lepofsky, Leslie Main Johnson and Nancy J. Turner—Unique Ecologies of British Columbia
- 1:45 William Carleton, Mark Collard and Dave Campbell—Radiocarbon Dating Uncertainty Constrains Our Ability to Identify Cyclical Human-Environment Dynamics
- 2:00 Darcy Mathews, Joan Morris and Reona Oda—Relatives of the Deep: Situated Knowledge and Archaeological Remote Sensing to Assess Climate Change Vulnerability at Tl'ches
- 2:15 Felix Riede and Russel Blong—Can Archaeology Provide an Evidence Base for Realistic Disaster Scenarios That Contribute to Reducing Vulnerability?
- 2:30 Jacob Earnshaw—Cultural Forests in Cross Section: The Exposure and Destruction of CMT Chronologies on Vancouver Island's West Coast
- 2:45 Madonna Moss—Did Tlingit and Haida Eat Sea Otters during the Precontact Period? An Issue of Intellectual Property and Cultural Heritage
- 3:00 Iain McKechnie—The Maritime Fur Trade before the Maritime Fur Trade on the Pacific Coast of North America
- 3:15 Julia Jackley, Dana Lepofsky, Nancy J. Turner and Jennifer Carpenter—Mountain Top to Ocean Floor: The Eco-cultural History of Hauyat
- 3:30 Antonia Rodrigues and Chelsey Geralda Armstrong—Ancient DNA and Historical Ecology: An Innovative Approach to Environmental Conservation
- 3:45 Megan Hicks, Viðar Hreinsson, Árni Daniel Júlíusson, Astrid Ogilvie and Ragnhildur Sigurðardóttir—Grassroots Modernization: Pastoral Economies, Climate, and Political Change in Iceland's Eighteenth through Twentieth Centuries
- 4:00 Richard Chia—Historical Ecology of Tiv Migration and Conflicts in the Benue Valley of Nigeria: Implications for Food Security
- 4:15 Spencer Greening, Dana Lepofsky, Mark Wunsch and Nancy J. Turner—The Historical Ecology of Laxgalts'ap: A Cultural Keystone Place of the Gitga'ata of Northern British Columbia
- 4:30 Carole Crumley—Discussant

**[78] SYMPOSIUM ■ ADVANCES IN ARCHAEOLOGY OF PREHISTORIC AND EARLY CHINA****Room:** West Meeting Room 204 (VCC)**Time:** 1:00 PM–4:45 PM**Chairs:** Chen Shen and Hong Chen**Participants:**

- 1:00 Dongju Zhang, Guanghui Dong, Qianqian Wang, Xiaoyan Ren and Fahu Chen—Prehistoric Human Adaptation to Tibetan Plateau Environment indicated by the 151 Site in the Qinghai Lake Basin
- 1:15 Yinghua Li, Side Hao, Wanbo Huang, Hubert Forestier and Yudian Zhou—A New Variability of Cobble-Tool Industry Associated with a Bone-Tool Technology from the Luobi Cave, South China (Ca. 11–10 Ka): A Comparative Perspective from Southeast Asia



- 1:30 Tongli Qu—Subsistence in the Late Pleistocene of China: A View from Laonainaimiao Site
- 1:45 Xuexiang Chen and Wei Gong—Archaeological Survey of Mound Sites in Southwestern Shandong, China: Plants and People
- 2:00 Jian Zhang, Chen Shen and Songan Jin—New Archaeological Evidence of Prehistoric Cultural Interactions in the Middle of Han River Valley, Central China
- 2:15 Zhijie Cheng and Yuzhang Yang—Archaeobotanical Records of the Middle and Late Neolithic Plant Food Utilization from North Jiangsu Plain
- 2:30 Yuzhang Yang, Zhijie Cheng, Weiya Li, Ling Yao and Juzhong Zhang—The Emergence, Development, and Regional Differences of the Mixed Farming of Rice and Millet in the Upper and Middle Huaihe River, China
- 2:45 Xiao Ma, Yuli Shi, Herant Khanjian, Hui Fang and Dayong Cui—Characterization of Early Imperial Lacquerware from the Luozhuang Han Tomb, China
- 3:00 Wen Yin Cheng and Chen Shen—Mineralogical Makeup of Casting Molds and Its Archaeological Implications for Bronze Making Techniques in Ancient China
- 3:15 Hong Chen, Jiying Liu, Ya-Mei Hou and Huiru Lian—Determination of Use-Wear Evidence on Quartzite Tools: Experimental and Archaeological Studies
- 3:30 Yan Pan and Baorong Lu—An Investigation of Genetic Differentiation in Early Domestication of *Oryza Sativa* Based on InDel Molecular Marker Method
- 3:45 Huiru Lian, Dorian Q. Fuller and Yijie Zhuang—A Glimpse of Rice Exploitation at Mojaoshan Site, Liangzhu Culture: Archaeobotany and Rice Charring Experiment
- 4:00 Daniel Kwan—A Thin Section Petrographic Study of Early to Late Shangshan Ceramics from Zhejiang, China
- 4:15 Chen Shen—Discussant
- 4:30 Gary Crawford—Discussant

**[79] SYMPOSIUM ■ TOOLSTONE PAPERS IN HONOR OF THE CAREERS OF CHARLOTTE BECK AND GEORGE T. JONES**

**Room:** East Ballroom B (VCC)

**Time:** 1:00 PM–4:45 PM

**Chairs:** Rachel Horowitz and Nathan Goodale

**Participants:**

- 1:00 Khori Newlander—Using Sourcing Studies to Examine Paleoindian Lithic Technological and Socioeconomic Organization in the Great Basin
- 1:15 Geoffrey Smith—Paleoindian Lithic Conveyance and Land Use in the Northwestern Great Basin: A Summary of the Current Evidence
- 1:30 Madeline Ware Van der Voort—Early Holocene Leporid Processing at the LSP-1 Rockshelter, Oregon
- 1:45 Mike Cannon and Sarah Creer—Patterns in the Transport of Tosawihi Chert to the Little Boulder Basin, Northern Nevada
- 2:00 Amanda Taylor—Lithic Landscapes and Mobility from the Great Basin to the Salish Sea
- 2:15 Rachel Horowitz and Lisa Fontes—Technological Organization Approaches to Lithic Analysis: Case Studies from the Late Classic Maya and Magdalenian Spain
- 2:30 Eric Jones, Maya Krause and Caroline Watson—Lithic Material Use in the Upper Yadkin River Valley and Its Implications for Southeastern Late Woodland Exchange Networks
- 2:45 Mariah Walzer, Nathan Goodale, David Bailey and Alissa Nauman—Prehistoric Mobility Patterns and Geochemistry of FGV Toolstones at Slocan Narrows Pithouse Village and the Upper Columbia River Area
- 3:00 Alice Hunt—Social Function, Semiotic Meaning, and Community Identity, or Sometimes a Pot Is Not Just a Pot

- 3:15 Joanne Devlin—Beyond the Basin: Forensic Archaeology in Tennessee  
 3:30 Cynthia M. Fadem—Discussant  
 3:45 Richard Hughes—Discussant  
 4:00 R. Lyman—Discussant  
 4:15 David Meltzer—Discussant  
 4:30 George Jones—Discussant

**[80] SYMPOSIUM ■ NIGHT AND DARKNESS IN PRECOLUMBIAN MEXICO AND CENTRAL AMERICA**

**Room:** East Ballroom C (VCC)

**Time:** 1:00 PM–4:45 PM

**Chair:** Nan Gonlin

**Participants:**

- 1:00 Nan Gonlin—Discussant  
 1:15 Rachel Egan and Christine C. Dixon—Extending the Notion of Night: Volcanic Eruptions in Mesoamerica  
 1:30 Frank Reilly and Sean McClure—The Liminal Space between Night and Day in the Mesoamerican Formative Period  
 1:45 Randolph Widmer and Rebecca Storey—Teotihuacán at Night: Lighting a Prehispanic City  
 2:00 Venicia Slotten—Mesoamerican Plants of the Night: A Paleoethnobotanical Perspective  
 2:15 David Reed, W. Scott Zeleznik and Nan Gonlin—Nighttime Food of the Ancient Maya  
 2:30 Payson Sheets—Darkness at Noon and a Whole Lot More: The Temazcal at Ceren  
 2:45 Nan Gonlin and Christine C. Dixon—Luminosity in the Ancient Maya World  
 3:00 Jeanne Lopiparo—Night and the Underworld in the Classic Period Ulúa Valley, Honduras  
 3:15 Lauren E. Schwartz—Understandings of Household Architecture at Night in the Middle Chamelecón Drainage, Honduras  
 3:30 Jan Olson—The Heat of the Night: Ritual Purification and Curing in Mesoamerica  
 3:45 Cecelia Klein—Blindfolds and the Eternal Return in Late Postclassic Central Mexico  
 4:00 Linda Brown—Tz'utujil Maya Ritual Practitioners, Embodied Objects, and the Night  
 4:15 Julia Hendon—Discussant  
 4:30 Questions and Answers

**[81] SYMPOSIUM ■ MOMENTS IN TIME: RE-CREATING HISTORY WITH THE BAYESIAN APPROACH**

**Room:** East Meeting Room 11 (VCC)

**Time:** 1:00 PM–4:45 PM

**Chairs:** Anthony Krus and Victor Thompson

**Participants:**

- 1:00 Anthony Krus and Victor Thompson—Gathering Shells and Time: A Bayesian Approach to Shell Mound Formation in Southwest Florida  
 1:15 David Carlson, Angelina Perrotti, Michael Waters and Jessi Halligan—Modeling Age and Sedimentation Rates at the Page-Ladson Site  
 1:30 Erick Robinson and Robert L. Kelly—The Paleoindian-Archaic Transition in the Western United States: A Bayesian Approach  
 1:45 Seren Griffiths—New Romantic Archaeology: Radiocarbon Revolutions and Revolutions in Understanding

- 2:00 Derek Hamilton—The Dating Game: The Dialogue between Absolute and Relative Techniques in the British Iron Age
- 2:15 Erik Marsh—Accelerating History and Bayesian Models: The Rapid Emergence of Agro-Pastoralism and the Tiwanaku State in the Lake Titicaca Basin, South America
- 2:30 Julie Hoggarth, Brendan Culleton, Claire Ebert, Jaime Awe and Douglas J. Kennett—Bayesian Approaches for Chronology-Building in Maya Archaeology: Direct AMS 14C Dating of Burials in the Belize River Valley
- 2:45 Claire Ebert, Julie Hoggarth, Brendan Culleton, Jaime Awe and Douglas J. Kennett—A Bayesian Model-Based Comparison of Radiocarbon Chronologies for the Earliest Complex Societies in the Maya Lowlands
- 3:00 Jose Raul Ortiz, Takeshi Inomata and Barbara Arroyo—Bayesian Analysis and Chronological Revisions in Southern Mesoamerica
- 3:15 Jon Lohse, Derek Hamilton, Takeshi Inomata and Hector Neff—Fire and Ash: Formative Period Environmental Chronologies in Eastern Mesoamerica
- 3:30 Thomas Dye and Timothy Rieth—Warming to the Tempo of Change in Old Hawai'i
- 3:45 Magdalena Schmid—Re-creating the Timing and Patterns of First Peopling with the Bayesian Approach
- 4:00 Sturt Manning—Prospects and Challenges for High Resolution 14C Chronologies: New World and Old World Investigations
- 4:15 Julian Thomas—Discussant
- 4:30 Charles Cobb—Discussant

**[82] SYMPOSIUM ■ IN THE LAND OF THE SKY: RECENT INTERDISCIPLINARY ARCHAEOLOGICAL RESEARCH IN THE LOWER RIO VERDE VALLEY, OAXACA**

**Room:** East Meeting Room 8 (VCC)

**Time:** 1:00 PM–4:45 PM

**Chairs:** Arthur Joyce and Sarah Barber

**Participants:**

- 1:00 Jessica Hedgepeth Balkin, Arthur Joyce and Raymond Mueller—Settlement beyond the Alluvial Plains: Recent Findings from the 2016 Rio Verde Settlement Project (RVSP), Coastal Oaxaca, Mexico
- 1:15 Raymond Mueller, Jessica Hedgepeth Balkin and Arthur Joyce—Agricultural Productivity of Four Different Physiographic Zones in the Lower Rio Verde Valley, Oaxaca, Mexico: Using the Current Landscape as a Means to Facilitate an Understanding of Past Productivity
- 1:30 Michelle Goman, Arthur Joyce and Jessica Hedgepeth Balkin—Formative to Postclassic Land-Use Changes in the Lower Rio Verde Valley, Oaxaca
- 1:45 Shanti Morell-Hart—Flora, Ethnoecology, and Foodways in the Land of the Sky
- 2:00 Arthur Joyce, Sarah Barber, Guy Hepp, Paul Sandberg and Michelle Butler—Landscape and Dietary Change in Formative Period Coastal Oaxaca
- 2:15 Jacklyn Rumberger, Sarah Barber, Arthur Joyce, Tasha Dupras and Stacie King—Diet and Migration in Coastal Oaxaca: Identifying Effects of Political and Social Collapse through the Utilization of Stable Isotope Analysis
- 2:30 Sarah Barber, Guy Hepp, Jeffrey Brzezinski and Arthur Joyce—The Symbolism, Use, and Archaeological Context of Masks in Formative Period Coastal Oaxaca, Mexico
- 2:45 Questions and Answers
- 3:00 Elizabeth Peabody and Sarah Barber—A Contextual and Iconographic Analysis of Precolumbian Stamps from the Lower Rio Verde Valley
- 3:15 Jeffrey Brzezinski—Recent Excavations at Cerro de la Virgen, Oaxaca, Mexico
- 3:30 Vanessa Monson and Jeffrey Brzezinski—Whole Vessel Caches: A Comparison of Offerings at Cerro de la Virgen with Lower Rio Verde Valley Public Space Offerings

- 3:45 Michelle Butler—Shifting Practices: Materiality and Mortuary Ritual at Early Classic Charco Redondo
- 4:00 Javier Urcid, Arthur Joyce and Sarah Barber—More Carved Monuments from Rio Viejo and Their Historical Implications
- 4:15 Pascale Meehan—Examining Rural Responses to Political Collapse: The Early Postclassic at Monte El Santo, Oaxaca, Mexico
- 4:30 Barbara Stark—Discussant

**[83] SYMPOSIUM ■ POLITICS, HINTERLAND COMMUNITIES, AND EVERYTHING IN BETWEEN: TWENTY-FIVE YEARS OF ARCHAEOLOGICAL RESEARCH IN NORTHWEST BELIZE**

**Room:** East Meeting Room 12 (VCC)

**Time:** 1:00 PM–5:00 PM

**Chairs:** Debora Trein and Fred Valdez

**Participants:**

- 1:00 Fred Valdez and Debora Trein—Origins: Contextualizing the Beginning and Development of the PfbAP
- 1:15 Debora Trein, Brett A. Houk and Gregory Zaro—Power, Space, and Place in the Heart of La Milpa
- 1:30 Brandon Lewis and Hugh Robichaux—Revealing La Milpa: Integrating Residential Data from the Core and Periphery
- 1:45 Eleanor King, Michael Brennan, Beverly Chiarulli, Christine Taylor and Darcie Flanigan—Putting the Pieces Together: Maax Na in Its Regional Context
- 2:00 Rissa Trachman—The Ancient City of Dos Hombres: Material Expressions of Power
- 2:15 Laura Levi, Christian Sheumaker and Sarah Boudreaux—Wayfinding: Paths, Pathway Markers, and Navigational Monuments at Wari Camp and Beyond
- 2:30 Marisol Cortes-Rincon, Erik Marinkovich, Cady Rutherford, Spencer Mitchell and Kyle Ports—Production and Intensification in Hinterland Communities
- 2:45 Stanley Walling, Travis Cornish, Chance Coughenour, Jonathan Hanna and Christine Taylor—Commoner Landscape, Ritual, and Symbolism in the Shadow of Dos Hombres: Recent Investigations at the Site of Chawak But'o'ob
- 3:00 Robyn Dodge, David M. Hyde and Estella Weiss-Krejci—La Milpa East, Hun Tun, and Medicinal Trail Communities: Ancient Maya Hinterland Settlements East of La Milpa, Belize
- 3:15 Lauren Sullivan and David M. Hyde—Social, Economic, and Political Changes: An Integration of Ceramic and Lithic Data from the Three Rivers Region
- 3:30 Timothy Beach, Sheryl Luzzadder-Beach, Colin Doyle, Nicholas Dunning and Nicholas Brokaw—The Critical Zone Revolution from 2016 Lidar and Two Decades of Multiproxy Geoarchaeology around the Programme for Belize
- 3:45 Sheryl Luzzadder-Beach, Timothy Beach, Nicholas Dunning, Vernon Scarborough and Fred Valdez—A Quarter-Century of Exploring the Three Rivers Watersheds in Belize
- 4:00 Thomas Hart, Luisa Aebersold, Nicholas Brokaw and Sheila Ward—Ecological and Paleoethnobotanical Research at the Programme for Belize Archaeological Project
- 4:15 Angelina Locker and Stacy Drake—Exploring Migration and Kinship of the Ancient Maya through Isotopes and aDNA in Northwest Belize
- 4:30 Sarah Jackson, Linda A. Brown and Brett A. Houk—The Emic, the Etic, and the Electronic: Digital Documentation in Northwestern Belize
- 4:45 Vernon Scarborough—Discussant

**[84] SYMPOSIUM ■ REGIONAL TO INTERNATIONAL COLLABORATIONS IN AMERICAN ARCHAEOLOGY: THE LEGACY OF SUZANNE FISH AND PAUL FISH**

**Room:** East Exhibit Hall A (VCC)

**Time:** 1:00 PM–5:00 PM

**Chairs:** Karen Harry, Barbara Roth and James Bayman

**Participants:**

- 1:00 Paul Minnis and Patricia Gilman—A Brief Introduction to the Sonoran Desert Fish
- 1:15 John Ravesloot—Full-Coverage Regional Surveys: Insights Gained about Hohokam, Akimel O'odham (Pima) and Pee Posh (Maricopa) Landscape Use
- 1:30 Mark Elson and Maren Hopkins—Carrying on the Tradition: University of Arizona Fieldschool Excavations at University Indian Ruin
- 1:45 David Doyel—Vision and Action: Suzanne Fish and Paul Fish and the Hohokam World
- 2:00 William Doolittle—Dirt, Rocks, and Water: Irrigation Here, There, Then, and Now
- 2:15 Karen Adams—Taming Wild Plants: How Hard (or Easy) Can It Be?
- 2:30 Natalia Martínez Tagüeña—Applied Ethnobotany in Arid Lands: The Importance of Time, context and Collaboration
- 2:45 Matthew Pailes—Comparing and Contrasting Community Structure across the Northwest/Southwest
- 3:00 John Carpenter and Guadalupe Sanchez—El Corrido de Pablo y Suzy Pescado: Inspiring Archaeological Investigations in Northwest Mexico
- 3:15 Elisa Villalpando—Fishes Swimming in the Magdalena River. Villages and Summit Features in the Middle Magdalena Valley, Northwest Sonora
- 3:30 Stephen Kowalewski—Community, Territory, and Polity in Postclassic Highland Oaxaca
- 3:45 Mario Castillo and Patricia Fournier—Settlement Ecology in the Tula Region of Mesoamerica: A Local Landscape Perspective
- 4:00 Maria Gaspar, MaDu Gaspar and Paulo DeBlasis—New Approaches to Sambaqui Archaeology in Brazil
- 4:15 Daniela Klokler and Todd Pitezel—From Southern Brazil and Northwest Mexico: Swimming across Landscapes with the Fishes
- 4:30 Peter Pilles—The Perkinsville Valley: The Fishes Enter the Uncharted Waters of the Upper Verde Valley
- 4:45 Paul Fish—Discussant

**[85] SYMPOSIUM ■ RETHINKING METHODS OF FAUNAL ANALYSIS**

**Room:** East Meeting Room 1 (VCC)

**Time:** 1:00 PM–5:00 PM

**Chairs:** Eugène Morin, Arianne Boileau and Elspeth Ready

**Participants:**

- 1:00 Richard Redding and Andrea Poli—Assessing Differential Fragmentation of Mammal Bone: A New Proxy
- 1:15 Erich Fisher, Jamie Hodgkins and Curtis Marean—An Updated GIS-Based System for Calculating MNE and Quantifying Bone Surface Modification Frequencies and Spatial Location on Skeletal Elements in Faunal Assemblages
- 1:30 Arianne Boileau, Elspeth Ready, Cédric Beauval, Marie-Pierre Coumont and Eugène Morin—Testing the Robustness of NISP and MNE: Results of a Blind Test
- 1:45 Eugène Morin, Elspeth Ready, Arianne Boileau, Cédric Beauval and Marie-Pierre Coumont—The Number of Distinct Elements (NDE): An Alternative Measure of Faunal Abundance
- 2:00 Michael Buckley—Zooarchaeology by Mass Spectrometry (ZooMS) and Rethinking a Definition of Nisp

- 2:15 Genevieve Pothier Bouchard, Michael Buckley, Jamie Hodgkins, Susan M. Mentzer and Julien Riel-Salvatore—New On-Site Method to Evaluate the Quantity and Quality of Collagen in Archaeological Faunal Assemblages Using a Portable FTIR and Zooms
- 2:30 Krista McGrath, Keri Rowsell, Christian Gates St-Pierre and Matthew Collins—Buck-ing the Trend: Surprising Species Identifications of Archaeological Bone Points Using Zooms in Deer-Dominated Faunal Assemblages
- 2:45 Melanie Fillios—Yikes, No Comparative Collection! Can 3D Imaging Produce Robust Faunal Identifications?
- 3:00 Gwen Bakke and Karen Lupo—What Predicts Cut Mark Frequency and Intensity?
- 3:15 Katherine Woolard and Briana Pobiner—Cautionary Tales in the Use of Captive Carnivore Tooth Mark Data
- 3:30 Curtis Marean, Jacob Harris, Jessica Thompson and Kiona Ogle—A Bayesian Solution to the Controversy over the Identification of Bone Surface Modification in Paleoanthropology
- 3:45 Ryan Breslawski—Seasonal Bison Exploitation in North American Prehistory: A Probabilistic Approach Using Fetal Prey Osteometry
- 4:00 Carly Ameen, Ardern Hulme-Beaman, Allowen Evin, Greger Larson and Keith Dobney—What Big Teeth They Have: Rethinking Mandibular Tooth Crowding in Domestic Dogs and Wolves Using Landmark-Based Metric Analysis
- 4:15 Tyler Faith and Margaret Avery—The Promise and Pitfalls of Quantitative Paleoenvironmental Reconstruction in Zooarchaeology: Evaluation of Late Quaternary Micromammal Assemblages from Southern Africa
- 4:30 Elizabeth Reitz—Discussant
- 4:45 Jonathan Driver—Discussant

**[86] POSTER SESSION ■ ADVANCES IN BIOARCHAEOLOGY AND ARCHAEOLOGICAL SCIENCE**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 2:00 PM–4:00 PM

**Participants:**

- 86-a Allison E. Mann, Kirsten Ziesemer, Krithivasan Sankaranarayanan, Corinne L. Hofman and Christina Warinner—DNA Preservation in Archaeological Dental Calculus and Dentine
- 86-b James Brown, James Chatters, Patrick McCutcheon, James Feathers and Steven Hackenberger—Radiocarbon Dating versus Luminescence Dating in the Pacific Northwest
- 86-c Hugo Cardoso, Joana Abrantes, Laure Spake and Luis Rios—A Test of Juvenile Age Estimation Methods Based on the Diaphyseal Length of the Long Bones
- 86-d Carley Crann—Radiocarbon Age of Consolidants and Adhesives used in Archaeological Conservation
- 86-e Kat Loftis and Robert J. Speakman—Analysis of XAD as a Pretreatment Method for Radiocarbon Dating Bone
- 86-f Courtney Hofman, Brian M. Kemp, Cecil Lewis, Christina Warinner and Krithivasan Sankaranarayanan—Biomolecular Archaeology: New Insights from the Past

**[87] POSTER SESSION ■ NEW GEOARCHAEOLOGICAL AND GEOPHYSICAL RESEARCH**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 2:00 PM–4:00 PM

**Participants:**

- 87-a Scott Hammerstedt, Jami Lockhart, Amanda Regnier, George Sabo and John Samuelsen—GPR Survey of the Brown Mound at Spiro
- 87-b Tyler Stumpf, Vanessa Harvey and Richard Jefferies—Searching for Spanish Footprints: Recent Geophysical Prospection on Sapelo Island, Georgia
- 87-c Christopher L. Hill—Late Quaternary Radiocarbon Geochronology and Stratigraphy on the Northern Plains: Silts, Mammoths, and Buried Soils in the Lower Yellowstone Valley, Montana
- 87-d Analise Hollingshead and Michael Waters—Geoarchaeological Investigation at Buffalo Ranch Site, Burleson County, Texas
- 87-e Timothy de Smet—Integration of Multiple Geophysical Datasets to Classify Archaeological Responses
- 87-f Amy Schott—Using Soil Geomorphology to Understand Dry-Farmed Agriculture in Eolian Sediments in Northeastern Arizona
- 87-g Shannon Warren, Michael Ziegler, Silindokuhle Mavuso, Tamara Dogandžic and Kathryn L. Ranhorn—Mapping MSA Deposits: Regional Geological Investigation of Upper Chari Member Sediments in the Ileret Region, East Turkana, Kenya
- 87-h F. Scott Worman and Anastasia Steffen—Watch Out for Landslides and Gopher Holes! Using Obsidian Hydration to Measure Postdepositional Site Disturbance in the VCNP
- 87-i Samuël Delefortrie, Philippe De Smedt, Mark Gillings, Martin Green and Joshua Pollard—Mining and Interpreting Archaeo-Geophysical Data through Excavation: A Case from Prehistoric Knowlton (Dorset, United Kingdom)

**[88] POSTER SESSION ■ OBSIDIAN SOURCING, ANALYSIS, AND IMAGING**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 2:00 PM–4:00 PM

**Participants:**

- 88-a José M. Capriles, Nicholas Tripcevich, Axel Nielsen, Michael D. Glascock and Calogero M. Santoro—Geochemical Characterization and Archaeological Utilization of the Cerro Kaskio Obsidian Source in Southwestern Bolivia
- 88-b John Whittaker, Daniel Lee, Lee Sharpe and Jeffrey R. Ferguson—Sources of Sinagua Obsidian Points and Debitage: XRF Analysis
- 88-c Theodora Moutsiou—Using pXRF to Unravel Raw Material Choices in Early Holocene Lithic Assemblages from the Island of Cyprus, Eastern Mediterranean
- 88-d Kele Missal—Reflectance Transformation Imaging: A Unique Approach for Imaging Use-Wear on Obsidian Artifacts
- 88-e Jeffrey Rasic, Joshua Reuther, P. Gregory Hare and Robert J. Speakman—13,000 Years of Obsidian Prospecting in Eastern Beringia: A Status Report on Obsidian Source Studies in Alaska and Yukon
- 88-f Emily Brush, Lawrence Todd and Rachel Reckin—Analysis of an Obsidian Source from the Cougar Pass Region of the Absaroka Mountain Range
- 88-g A. Gabriel Vicencio, Aurelio López Corral and Mari Carmen Serra Puche—Late Formative Obsidian Procurement in Xochitecatl-Cacaxtla

**[89] POSTER SESSION ■ INTERPRETING LITHIC ASSEMBLAGES****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 2:00 PM–4:00 PM**Participants:**

- 89-a Nicholas Trudeau, James Torpy and Travis Williams—Preliminary Analysis of Archaic Lithic Material from the Murrell Home in Cherokee County, Oklahoma
- 89-b Bethany Wurster, Kate Hughes and Shanna Diederichs—Take a Knap Inside: Evidence for Lithic Activities and Behaviors in Various Pit Structure Types at a Basketmaker III Settlement in Southwest Colorado
- 89-c Nicole Kulaga—A Study of Lithic Debitage from Talepop (CA-LAN-229) at Santa Monica Mountains National Recreation Area, California
- 89-d Eden VanTries—An Assessment of Prehistory at Historic Hanna's Town
- 89-e Benito Guzman—Mapping Prehistoric Behavior Patterns at Lithic Toolstone Source in the Colorado Desert
- 89-f Justin Williams—Clovis Style Hafted Bifaces: A Pan-Regional Perspective
- 89-g Laura Bruns, Elizabeth Sobel, F. Scott Worman and Jack Ray—Osage Cultural Continuity and Change in the Contact Era: Evidence from the Flaked Stone Assemblages at the Brown and Carrington Sites
- 89-h Briana Doering—Investigating a Late Holocene Subsistence Transition North of the Alaska Range: Compelling Results from Two Archaeological Sites
- 89-i Danielle Soza—Clovis to San Pedro: Projectile Points and Land Use in the Southern Colorado Plateau
- 89-j Ryan Parish, Bretton Giles and Kenneth Rowland—Investigating Hopewell Interaction at the Crib Mound Site through Source Analysis of Chert Cache Bifaces
- 89-k Adrian Chase and Jonathan Paige—Terminal Classic Chert Use at Nohmul, Belize

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

- 90-a Melissa Holst and Jonathan Haws—Late Magdalenian Lithic Technology at Lapa do Picareiro, Central Portugal
- 90-b Todd Koetje—Neanderthals, Denisovians, and Modern Humans: What Material Culture Differences Can We See during Their Overlap?
- 90-c Zhaneta Gjyshja—Petrographic and Chemical Analysis of Grinding Stones Collected in Shkodra, Albania
- 90-d Madisen Hvidberg and Dennis Sandgathe—Investigating the Modeling of Neanderthal Population Size
- 90-e James Feathers, Tristan Carter, Daniel Contreras, Christelle Lahaye and Katheryn Campeau—Luminescence Dating of a Paleolithic Site in the Aegean Islands
- 90-f Susan Harris, Lynn Fisher, Michael Jochim, Corina Knipper and Rainer Schreg—Neolithic Landscapes of Southern Germany: Insights from Regional Survey
- 90-g Jane Wiegand—An Attempt at Digitally Associating Skeletal Elements: A Study of Photogrammetry and Articular Surface Area
- 90-h Alper Basiran and Cevdet Merih Ereğ—The Earliest Architectural Remains in Anatolia
- 90-i James Torpy, Paul Nick Kardulias and Drosos N. Kardulias—The Eye in the Sky: Use of an Aerial Drone to Record Landscape Alteration in the Malloura Valley, Cyprus
- 90-j Gina Malfatti and Paul Nick Kardulias—Viking Age Grave Reentry within the Context of Mortuary Drama



- 90-k Thornton Giese and Jamie Hodgkins—More Than One Way to Skin a Goat  
90-l Erika Ruhl, Sarah E. Hoffman, Christopher B. Troskosky, Torill Christine Lindstrøm and Ezra B.W. Zubrow—Do Good Fences Make Good Neighbors? Pilot Osterøy Field Project (PILOST) and Redefining Boundaries in Southwestern Norway

**[91] POSTER SESSION ■ ANALYTICAL METHODS FOR LITHIC TECHNOLOGY**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 2:00 PM–4:00 PM

**Participants:**

- 91-a Charles Speer—Knapping Precise Porcelain Replicas  
91-b Silvina Castro, Gustavo Lucero, Valeria Cortegoso and Marsh Eric—Costs of Acquiring Lithic Materials in High-Altitude Environments (Northwestern San Juan Province, Argentina): A GIS-Based Evaluation  
91-c Kaitlyn Fuqua—Morphological and Functional Analyses of Northern Archaic Side Notched Bifaces  
91-d Meghan Johnson and Marci Monaco—Dittman Cache Replication  
91-e Derek Miltimore, Charles Perreault and Jonathan Paige—Comparing Traditional and Photogrammetric 3D Model-Based Measurements of Lithic Artifacts  
91-f Samuel Burns and Beau Kromberg—A 3D Method for Measuring Platform Angles on Lithic Flakes  
91-g Víctor Hugo García Ferrusca and Alejandra Abrego Rivas—Las Puntas de Proyectoil de las Planicies Costeras de Sonora, del Desierto al Bosque Espinoso  
91-h Jesse Morin, Tood Kristensen, John Duke, Andrew Locock and Courtney Lakevold—The Exchange of Ground Nephrite Celts across the Rocky Mountains  
91-i Jamie Tsui and Liye Xie—Quantitative Use-Wear Analysis with ImageJ  
91-j Nicholas Waber—Measuring Gesture: Stroke Quantification in Lithic Use-Wear Experiments

**[92] GENERAL SESSION ■ BIOARCHAEOLOGY AND GENETICS**

**Room:** West Meeting Room 205 (VCC)

**Time:** 2:45 PM–5:00 PM

**Chair:** Robin Wineinger

**Participants:**

- 2:45 Robin Wineinger—Sex-Related Differences in Dental Caries Prevalence in the Prehistoric American Southwest  
3:00 Bright Zhou—Bioarchaeological Assemblages at Çatalhöyük: A Relational Examination of Porotic Hyperostosis and Cribra Orbitalia Etiologies and Transmissions  
3:15 Sara Becker—Osteoarthritis in Hands, Feet, Spine, and Temporomandibular Joint from Individuals Buried at Tiwanaku Sites in Moquegua, Peru  
3:30 Hayley Mickleburgh—Modeling Skeletal Disarticulation: Using Actualistic and Comparative Taphonomy to Improve the Analysis and Interpretation of Human Burials  
3:45 Alexander Kim, Alexander Kozintsev, Nadin Rohland, Swapan Mallick and David Reich—The Ones Who Stayed Behind? Genome-Wide Affinities of Okunev Remains from Bronze Age South Siberia and the Enduring Dialogue of Ancient DNA and Physical Anthropology  
4:00 Akacia Propst and Megan Perry—A Paleodemographic Study of Mortality in First Century BC/AD Petra, Jordan  
4:15 Cara Monroe, Fernando Villanea, Eric Lenci Jr., Alan Leventhal and Rosemary Cambra—Ancient Human DNA Analysis from Central California: Interpreting the Penutian Migration through Genetics

- 4:30 Meaghan Dyer—A Smashing Good Time: The Identification of Prehistoric Blunt Force Weapons Using Experimental Bioarchaeology
- 4:45 Amelia Jansen, Martin Walker, Heather Woods, Alexander Craib and Anita Lehw—Woodland Period Occupations along the Savannah River: An Update of the Late Prehistoric Investigations at the Topper Site (38AL23), Allendale, South Carolina

**[93] FORUM ■ A HISTORY OF THE CARIBBEAN IN 100 OBJECTS****Room:** East Meeting Room 5 (VCC)**Time:** 3:00 PM–5:00 PM**Moderators:** Angus Mol and Alice Samson**Participants:**

- Paul Banks—Discussant
- Charlotte Goudge—Discussant
- Eduardo Herrera Malatesta—Discussant
- Anthony Tricarico—Discussant
- Catherine Losier—Discussant
- Jago Cooper—Discussant
- Paola Schiappacasse—Discussant

**[94] SYMPOSIUM ■ ORIGIN AND DEVELOPMENT OF THE PRECOLUMBIAN CITY OF TAMTOC, IN THE HUASTECA POTOSINA, MEXICO: RECENT INVESTIGATIONS****Room:** East Meeting Room 15 (VCC)**Time:** 3:00 PM–5:00 PM**Chair:** Patricia Hernandez Espinoza**Participants:**

- 3:00 Guillermo Cordova and Benno Fiehring—Avances en el Estudio de la Organización Sociopolítica Prehispánica en la Región del Río Tampaón, S.L.P., México
- 3:15 Estela Martínez—Cosmogonía y Ritualidad en Contextos Funerarios de Tamtoc, SLP, México
- 3:30 Benno Fiehring and Hans Martz—Symmetry Axis and Its Calendric Properties in Tamtoc, San Luis Potosí: An Archaeoastronomical Approach
- 3:45 Hans Martz and David Wood—Análisis Calendárico de las Orientaciones Astronómicas de la Arquitectura de Tamtoc, San Luis Potosí: La Importancia de Su Latitud Geográfica y el Uso del Paisaje
- 4:00 Kim Richter—The Tamtoc Scroll Style: Assessing the Relationship Between the Huasteca and Classic Veracruz
- 4:15 Adrian Velazquez and Norma Valentin—Reddish Valuable from Far Away: *Spondylus princeps* in the Ancient City of Tamtoc
- 4:30 Reyna Solis and Emiliano Melgar—Jadeite and Exotic Greenstones in the Huastec: The Mayan Style Lapidary Prestige Goods at Rancho Aserradero and Tamtoc
- 4:45 Edsel Rafael Robles Martínez and Gilberto Pérez Roldán—La Fauna del Sitio de Tamtoc: Su Procedencia, Su Aprovechamiento y las Implicaciones para el Asentamiento Humano

**[95] SYMPOSIUM ■ EXPLORING PREHISTORIC PERCEPTIONS OF “NATURE”: CAN WE GO BEYOND ECONOMIC HUMAN-ENVIRONMENT INTERACTIONS?**

**Room:** East Meeting Room 17 (VCC)

**Time:** 3:00 PM–5:00 PM

**Chairs:** Monica Ramsey and Arlene Rosen

**Participants:**

- 3:00 Monica Ramsey, Tobias Richter, Danielle Macdonald and Lisa Maher—A Growing Investment in “Place”: Exploring Late Pleistocene Perceptions of “Nature” in the Southern Levant
- 3:15 Leore Grosman and Natalie Munro—“Ashes to ashes, dust to dust”—Natufian Cemeteries and Human Perceptions of Nature
- 3:30 Peter F. Biehl and Arkadiusz Marciniak—The Entanglement of Nature and Culture in the Neolithic and Chalcolithic of Central Anatolia: The Transition of Çatalhöyük East to West
- 3:45 Nerissa Russell—Wild Meets Domestic at Neolithic Çatalhöyük, Turkey
- 4:00 Eszter Bánffy—Adapting to Harsh Environment Resulting Changes in Culture That Led toward a New Perception of the Outer World: The Birth of the Central European Neolithic
- 4:15 D. Marie Weide, Maria C. Bruno, Christine A. Hastorf and Sherilyn Fritz—“The Decoupling of Environment” and Political Change in the Prehistoric Southern Titicaca Basin
- 4:30 Min Li—Taming the Flood: Religious Response to Climatic Crisis and the Cult of the Great Yu in Early China
- 4:45 Naomi Miller—Social and Spiritual Landscapes in Ancient Mesopotamia

**[96] SYMPOSIUM ■ PROTEINS IN PLAY: THE APPLICATION OF ANCIENT PROTEINS TO THE STUDY OF DIET, DISEASE, CULTURE, AND EVOLUTION**

**Room:** East Meeting Room 18 (VCC)

**Time:** 3:00 PM–5:00 PM

**Chairs:** Jessica Hendy and Frido Welker

**Participants:**

- 3:00 Frido Welker, Jean-Jacques Hublin and Matthew Collins—Ancient Hominin Bone Proteomes: Improving our Understanding of Past Human Behavior through the Study of Ancient Bone Proteins
- 3:15 Keri Rowsell and Matthew Collins—Simple Nondestructive Extraction of Biomolecules from Human Skeletal Remains
- 3:30 Amy Scott and Matthew Collins—From Biochemistry to Bone: Exploring the Stress Response in Archaeological Skeletal Remains
- 3:45 Luke Spindler, Krista McGrath, Matthew Collins and Penelope Walton Rogers—A Method to Extract Collagen from Archaeological Leather for Species Identification with ZooMS
- 4:00 Boyoung Lee, Mark Pollard and Holger Kramer—Proteomics for Silks: Identify and Distinguish *B. mori* and Other Species
- 4:15 Mariana Muñoz-Rodríguez, Steve Ashby and Lena Holmquist—Artifact Geographies of the Viking Age
- 4:30 Jessica Hendy, Andre Carlo Colonese, Matthew Collins, Oliver Craig and Eva Rosenstock—Taxonomic and Tissue-Specific Dietary Proteins in Pottery Residues
- 4:45 Ashley Scott, Barney Venables and Steve Wolverson—Protein Modification in Fermented and Cooked Horse Milk: Taphonomic Implications for Archaeological Chemistry

**[97] SYMPOSIUM ■ ASSESSMENT IN ARCHAEOLOGY EDUCATION: PROJECT ARCHAEOLOGY RESEARCH****Room:** West Meeting Room 209 (VCC)**Time:** 3:00 PM–5:00 PM**Chairs:** Rebekah Schields and Jeanne Moe**Participants:**

- 3:00 Crystal Alegria and Jeanne Moe—Descendant Communities and Curriculum Development; Working toward a Culturally Relevant Development Process
- 3:15 Courtney Agenten, Jeanne Moe and Tony Hartshorn—Putting Archaeology Teacher Workshops to the Test
- 3:30 A. Gwynn Henderson and Linda Levstik—Investigating a Shotgun House: Piloting a New Project Archaeology Shelter Investigation
- 3:45 Jeanne Moe—Archaeological Inquiry and Integrating Science and Social Studies: A Research Opportunity
- 4:00 Rebekah Schields, Nichole Tramel and Erika Malo—Archaeology Fairs: Measuring Informal Learning
- 4:15 John Fisher—On-Site Public Interpretation of Bison Kill Sites
- 4:30 Elizabeth C. Reetz—Discussant
- 4:45 Sarah Miller—Discussant

**[98] SYMPOSIUM ■ LOST NARRATIVES: CURRENT HISTORICAL ARCHAEOLOGY IN SOUTHERN CALIFORNIA****Room:** East Meeting Room 16 (VCC)**Time:** 3:00 PM–5:00 PM**Chair:** James Snead**Participants:**

- 3:00 Elisabeth Rareshide—Chinigchinich Ritual Practice among the Tongva: Exploring Patterns of Colonial Consumption and Revitalization
- 3:15 Nathan Acebo—Reassembling Black Star Canyon
- 3:30 Austin Ringelstein—When Smuggling Sailors Met the First Angelinos: Material Messages from Forgotten Santa Catalina Island, California
- 3:45 Diana Diaz—Engaging the History of the San Fernando Valley: Collections and “Synergy” at CSUN
- 4:00 James Snead and Ann Stansell—Water Wars: The St. Francis Dam Disaster and Resource Competition in the American West
- 4:15 Ann Stansell—Commemoration in the Wake of Catastrophe: A Historical Archaeology Investigation of Southern California’s St. Francis Dam Disaster and Its Victims
- 4:30 Erica Nicolay—Consumption Patterns of a Pre-World War II–Era Japanese American Community on Terminal Island
- 4:45 Stacey Camp—Discussant

**[99] SYMPOSIUM ■ FROM FORAGERS TO FRONTIERS: RECENT RESEARCH ON THE ARCHAEOLOGY OF THE ORDOS REGION, CHINA****Room:** East Meeting Room 19 (VCC)**Time:** 3:15 PM–5:00 PM**Chair:** Tricia Owlett**Participants:**

- 3:15 Christopher Morgan, Loukas Barton and Robert Bettinger—From Serial Specialist to Cereal Specialist: Managing Hunting and Husbandry in the Context of the Terminal Pleistocene–Early Holocene Fitness Landscape of North China
- 3:30 Lisa Janz—Expanding Frontier and Building the Sphere in the Western Deserts

- 3:45 Tricia Owlett—Finding Greener Pastures: The Local Development of Agro-Pastoralism in the Ordos Region, North China
- 4:00 Jianxin Cui and Hong Chang—Culture Prosperity of Late Longshan on North Shaanxi and Its Environmental Background
- 4:15 Xiangming Dai—Shimao: The Prehistoric Pioneer of Rising States in Northern China
- 4:30 Corinne Deibel, Michael Deibel, Jiqiao Shi, Johnathon Hornak and Hannah Munro—Characterization of Neolithic Jade Objects from Shimao and Xinhua, Shaanxi Province, China, Using Handheld Portable Techniques
- 4:45 Yunfa Miao—Discussant

**[100] GENERAL SESSION ■ GLOBAL DEVELOPMENTS IN LITHIC TECHNOLOGY II**

**Room:** East Meeting Room 20 (VCC)

**Time:** 3:15 PM–5:00 PM

**Chair:** Randolph Donahue

**Participants:**

- 3:15 Jeanne Binning—Identifying Pressure Flakes in Lithic Assemblages
- 3:30 Johnathan Grieve and Whitney Spearing—Geochemical Analysis of Baezaeko River and Baker Creek Dacite
- 3:45 David Thulman and Maile Neel—Local Scale Cultural Transmission: How Are Neutral Artifact Traits Manifested at Neighborhood Boundaries?
- 4:00 Terry Ozburn and John Fagan—Artifacts Talk Back: Technological Analysis of Flakes and Flake Scars
- 4:15 Nyree Finlay—The Avocational Atelier: A Portrait of Lithic Collection Practice
- 4:30 Christian Hoggard and Cory Cuthbertson—Current Methodological Considerations in the Application of Two-Dimensional Geometric Morphometrics within Handaxe Assemblages
- 4:45 Randolph Donahue, Adrian Evans, Antony Dickson, Anne Clarke and Fraser Brown—Integrating Lithic Microwear and Sourcing to Improve Understanding of Socioeconomic Behavior in the British Mesolithic

**[101] GENERAL SESSION ■ POLITICS AND INTER-POLITY DYNAMICS IN THE MAYA WORLD I**

**Room:** East Meeting Room 9 (VCC)

**Time:** 3:15 PM–5:00 PM

**Chair:** T. Douglas Price

**Participants:**

- 3:15 T. Douglas Price and Shintaro Suzuki—New Isotope Data from Classic Maya Copan
- 3:30 Ken Seligson, George J. Bey, Betsy Kohut and Tomás Gallareta Negrón—The View from Above: The Semiautonomous Elite Maya Hilltop Complex of Escalera al Cielo
- 3:45 Weiyu Ran and John Walden—Organization of Late Classic Maya Polities in Rosario Valley, Mexico
- 4:00 George Kollias and Jaime Awe—Investigating the Maya Polity at Lower Barton Creek, Cayo, Belize
- 4:15 Aviva Cormier and Francisco Estrada-Belli—Regional Diversity and Population Migration of the Classic Maya: Stable Isotope Analysis of Individuals from the Holmul Region, Guatemala
- 4:30 Erik Marinkovich, Marisol Cortes-Rincon, Jennifer Leonard and Cady Rutherford—Hinterland Causeways in the Maya Lowlands of Northwestern Belize
- 4:45 Céline Lamb—Constructing Rural Complexity: Intra-household Relations of Community and Inequality at Chunhuayum, Yucatán, Mexico

**[102] GENERAL SESSION ■ ARCHAEOLOGY IN THE AMERICAN MIDWEST I****Room:** East Meeting Room 4 (VCC)**Time:** 3:15 PM–5:00 PM**Chair:** Robert Jeske**Participants:**

- 3:15 Madeleine McLeester and Mark Schurr—Middle Grant Creek: A Rare Example of a Single Component Huber Phase Site on the Illinois Prairie
- 3:30 Jeffrey Painter and Jodie O’Gorman—Foodway Variability in the Oneota Tradition: A Pilot Study of Cooking Pots
- 3:45 Richard Edwards—Oneota Risk Management Strategies and Agricultural Practices
- 4:00 Douglas Charles and Jane E. Buikstra—Constructing Archaeological Knowledge: Interpretating Hopewell in the Illinois Valley
- 4:15 Katy Mollerud—A Comparative Ceramic Analysis of Motifs from Three Sites in the Cambria Locality, Minnesota
- 4:30 Robert Jeske—Strangers in a Strange Land: The Lake Koshkonong Oneota Locality in Context
- 4:45 Natalie Carpiaux—Oneota Household Dynamics at the Koshkonong Creek Village

**[103] GENERAL SESSION ■ THE ARCHAEOLOGY OF MINING AND RESOURCE EXTRACTION IN HISTORIC NORTH AMERICA****Room:** West Meeting Room 208 (VCC)**Time:** 3:30 PM–4:45 PM**Chair:** William Balco**Participants:**

- 3:30 Mark Howe—The Red Bluff Dam Project: A 1930s New Deal Construction Project
- 3:45 William Balco—Excavating the Yahoola High Trestle: Spanning Past and Present in Dahlonega, Georgia
- 4:00 Aubrey Steingraber—Monte Cristo’s Gold: A Case Study of a Hard Rock Gold Mining Town in Washington’s Cascade Range at the Turn of the Twentieth Century
- 4:15 Christopher Grant—Copper and Bone: Craft Labor and Aesthetics in the Early Creole Faubourgs of New Orleans, 1790–1865
- 4:30 Leo Demski—The Luxury of Cold: The Natural Ice Industry In Boca, California, 1868–1927

**[104] GENERAL SESSION ■ ARCHAEOLOGY IN THE AMERICAN SOUTHWEST I****Room:** East Meeting Room 7 (VCC)**Time:** 3:30 PM–5:00 PM**Chair:** Tim Riley**Participants:**

- 3:30 Marilen Pool and Christina Bisulca—Archaeological Adhesives in the American Southwest
- 3:45 Linda Wheelbarger—Point Pueblo, a Great House Community in the Middle San Juan
- 4:00 Lydia Pittman—A Comparison of Miniature Pottery Vessels from the Reserve and Mimbres Branches of the Mogollon of Southwestern New Mexico
- 4:15 Judith van Roggen (Paterson)—A Case for Clan: Revisiting Sand Canyon Pueblo
- 4:30 Elanor Sonderman—Analysis of Perishable Artifacts from Conejo Shelter, Texas
- 4:45 Tim Riley—When Is a Pithouse a Pithome? Reconstructing a Fremont Household underneath the Book Cliffs of Utah

**[105] GENERAL SESSION ■ HOHOKAM ARCHAEOLOGY**

**Room:** West Meeting Room 203 (VCC)

**Time:** 3:45 PM–5:00 PM

**Chair:** Jerry Lyon

**Participants:**

- 3:45 Christina Bisulca, Brunella Santarelli and Nancy Odegaard—Characterization of Minerals on Hohokam Palettes
- 4:00 Walter Dodd—How Were Hohokam Palettes Used? Testing a Novel Hypothesis
- 4:15 Brian Medchill and Kyle Woodson—Social Inequality and Food Storage at Hohokam Platform Mound Sites in the Phoenix and Tonto Basins
- 4:30 Christopher Garraty, Travis Cureton, Erik Steinbach and Paula Scott—Relocating the Platform Mound at La Plaza: Recent Archaeological Investigations on Arizona State University's Tempe Campus
- 4:45 Jerry Lyon and Jeffrey Jones—Cemeteries, Settlement Development, and Becoming Hohokam in the Northern Tucson Basin

**[106] GENERAL SESSION ■ USING ETHNOGRAPHIC AND ETHNOHISTORIC SOURCES IN ARCHAEOLOGY**

**Room:** East Meeting Room 3 (VCC)

**Time:** 3:45 PM–5:00 PM

**Chair:** Erin Nelson

**Participants:**

- 3:45 Laura Osorio Sunnucks and Priya Swamy—Senses of Space: Religious Aesthetics as Heritage among Maya Speaking Christians in Yucatán and a Hindu Diaspora in Amsterdam
- 4:00 Luis Jaramillo—Los Muisecas de la Sabana de Bogotá: Muchos Cacicazgos? Patrones de Asentamiento, Demografía y Organización Política en la Parte Baja de la Cuenca del Río Teusacá
- 4:15 Sarah Herr, Maren Hopkins, T J Ferguson and Vincent Randall—Pragmatism and Power: Considerations of Western Apache Reuse of Archaeological Sites
- 4:30 Erin Nelson—Mississippian Communities in the Northern Yazoo Basin: Bridging the Protohistoric Divide
- 4:45 Kathryn Turney—Oral History and Ethnoarchaeology at Wupatki National Monument

**[107] GENERAL SESSION ■ THE ARCHAEOLOGY OF CONFLICT IN THE HISTORIC ERA NORTH AMERICA**

**Room:** East Meeting Room 14 (VCC)

**Time:** 4:00 PM–5:00 PM

**Chair:** Levi Keach

**Participants:**

- 4:00 Levi Keach—Howdy Podner! The Strange Story of Soda Bottles on a Cold War Battlefield in Southern Nevada
- 4:15 Dennis Griffin—In Search of Camps' Warner: Tracking U.S. Military Presence in the Warner Valley, Oregon, 1866–1874
- 4:30 Sharon Moses—The Multivocality of Firearm Materials among the Captive Africans of the Hume Plantation, Georgetown, South Carolina, 1790s–1860s
- 4:45 Paul Van Wandelen—Weapons of a Spanish Colonial Road: An Analysis of Arms Found at Paraje San Diego, New Mexico

## Thursday Evening ■ March 30, 2017

**[108] FORUM ■ CARING FOR HOMELANDS, PART 1: TRIBAL HISTORIC PRESERVATION IN THE UNITED STATES**

*(Sponsored by Indigenous Populations Interest Group, Committee on Native American Relations)*

**Room:** East Meeting Room 4 (VCC)

**Time:** 6:00 PM–8:00 PM

**Moderators:** Sara L. Gonzalez and Ora Marek-Martinez

**Participants:**

Paul Backhouse—Discussant

Dennis Lewarch—Discussant

William Quackenbush—Discussant

Maureen Mahoney—Discussant

Briece Edwards—Discussant

**[109] FORUM ■ CREATING SAFETY: ADDRESSING SEXUAL HARASSMENT AND ASSAULT IN ARCHAEOLOGY**

*(Sponsored by Women in Archaeology Interest Group)*

**Room:** East Meeting Room 15 (VCC)

**Time:** 6:00 PM–8:00 PM

**Moderators:** Meagan Thies and Ashley Jones

**Participants:**

Patrick Garrow—Discussant

Janet Levy—Discussant

Bonnie Pitblado—Discussant

Dawn Rutecki—Discussant

Silvia Tomaskova—Discussant

**[110] FORUM ■ ADVANCEMENTS AND PROSPECTS IN GEOARCHAEOLOGY TODAY: THE SAA GIG AT 20, PART 2**

*(Sponsored by Geoarchaeology Interest Group)*

**Room:** East Meeting Room 20 (VCC)

**Time:** 6:00 PM–8:00 PM

**Moderator:** Mike Carson

**Participants:**

Paul Goldberg—Discussant

Gary Huckleberry—Discussant

Lisa Maher—Discussant

Tristram Kidder—Discussant

Michael Storozum—Discussant

Rachel Cajigas—Discussant

Anthony Tricarico—Discussant

Andrea Freeman—Discussant

Victor Thompson—Discussant

Christopher L. Hill—Discussant

Loren Davis—Discussant

Arlene Rosen—Discussant



**[111] FORUM ■ ARCHAEOLOGY PODCAST NETWORK—LIVE PODCAST AND DISCUSSION**

**Room:** East Meeting Room 7 (VCC)

**Time:** 6:00 PM–8:00 PM

**Moderators:** Chris Webster and Christopher Sims

**Participants:**

Michael Ashley—Discussant

Christopher Sims—Discussant

Stephen Wagner—Discussant

April Kamp-Whittaker—Discussant

**[112] FORUM ■ HOW TO DO ARCHAEOLOGICAL SCIENCE USING R**

*(Sponsored by Digital Data Interest Group)*

**Room:** East Meeting Room 9 (VCC)

**Time:** 6:00 PM–8:00 PM

**Moderator:** Ben Marwick

**Participants:**

Kyle Bocinsky—Discussant

Paulina Przystupa—Discussant

Benjamin Davies—Discussant

Thomas Dye—Discussant

Daniel Contreras—Discussant

Matthew Harris—Discussant

**[113] POSTER SESSION ■ ARCHAEOLOGY IN EAST ASIA**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 6:00 PM–8:00 PM

**Participants:**

113-a Ruby Kerwin and Sarah Klassen—Developing Typologies of Temple Features of Angkor, Cambodia

113-b Yiping Li—Social Difference between Songze Culture and Liangzhu Culture as Reflected on Jade Artifacts

113-c Eric Kelley, Ben Marwick, Son Pham, Hoàng Diệp and LamMy Dzung—Geometric Morphometry versus Traditional Stone Artifact Typology in the Hoabinhian of Northern Vietnam

113-d Yue Hu, Ben Marwick, Weiwen Huang, Jiafu Zhang and Bo Li—The Lithic Assemblage of Guanyindong: Implications of Technological Cognition of Hominids in Southwest China in Middle-Late Pleistocene

113-e Baohua Hu—A Kind of Broad-Leave Bronze Spears in North China That Are Similar to the Seima-Turbino Ones

113-f Fei Peng, Sam Lin, Nicolas Zwyns, Jialong Guo and Xing Gao—Preliminary Results from the New Excavation at the Upper Paleolithic Site of Shuidonggou Locality 2, Ningxia (China)

113-g Richard Ciolek-Torello, Jeffrey Altschul, John Olsen, Ch. Amartuvshin and B. Gunchinsuren—Fortified Towns in a Nomadic Pastoral Landscape on the Mongolian Steppe: Bai Baik and the Northern Railways Archaeological Project

113-h Matthew Ordinario—Artifact Density and Predictive Modeling in Old Kiyangan Village

113-i Madeleine Yakal—Exotic Beads and Jar Burials: Social Elaboration in the Old Kiyangan Village, Ifugao, Philippines

113-j Tommy Budd—A Biodistance Study of Shang Dynasty Human Sacrifice

113-k Daniela Wolin, Yuling He, Zhonghe Liang and Junfeng Guo—An Intersite Comparison of Human Skeletal Trauma in Shang Dynasty China

**[114] POSTER SESSION ■ HUMAN, ANIMAL, AND ENVIRONMENTAL INTERACTION IN NORTHEAST ASIA****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 6:00 PM–8:00 PM**Chairs:** Julia Clark and William Taylor**Participants:**

- 114-a Jean-Luc Houle and Michael Rosenmeier—Climate Amelioration and the Rise of the Xiongnu Empire
- 114-b Loukas Barton, Baiyarsaikhan Jamsranjav, Tuvshinjargal Turmubaatar and Christopher Morgan—Spatial Patterns of Human Land Use from Surface Collections in Northwest Mongolia
- 114-c Nicholas Case, Julia Clark, Tumurbaatar Tuvshinjargal and William Taylor—Photogrammetry, Provenance, and Preservation of Tangible Heritage in the Khangai Mountains, Mongolia
- 114-d Julia Clark—Shifting Mobility Strategies in Neolithic and Bronze Age Mongolia
- 114-e William Taylor—Equine Dentistry and Early Horse Husbandry in the Mongolian Steppe
- 114-f Marcello Fantoni and William Taylor—Investigating the Methods and Practice of Ritual Horse Sacrifice and Butchery in Late Bronze Age Mongolia

**[115] POSTER SESSION ■ BIO-CULTURAL APPROACH TO THE OSTEOARCHAEOLOGICAL INQUIRIES IN CHINA****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 6:00 PM–8:00 PM**Chairs:** Hua Zhang, Deborah C. Merrett and Jacqueline Eng**Participants:**

- 115-a Jacqueline Eng, Quan-chao Zhang and Hong Zhu—Late Bronze Age Women of the Steppe Frontier: A Bioarchaeological Analysis of Multiple Sites in Northern China
- 115-b Yiru Wang and Hong Zhu—Preliminary Investigations of Human Remains from the Neolithic Gouwan Site in Henan China: Examples of Trauma and Stress
- 115-c Jiawei Li, Ye Zhang, Xiyan Wu, Yongbin Zhao and Hui Zhou—Ancient DNA of a Nomadic Population Provides Evidence of the Genetic Structure of the Royal Ancient Mongols
- 115-d Deborah C. Merrett, Hua Zhang, Lixin Wang, Hong Zhu and Dongya Yang—Timing of Stress Episodes at Houtaomuga: Neolithic and Bronze Age Comparisons
- 115-e Ying Nie, Dong Wei, Hua Zhang, Dongya Yang and Hong Zhu—Artificial Cranial Modifications of Human Remains from Archaeological Sites in China
- 115-f Tao Han, Wenxin Zhang, Xingyu Man Man, Anqi Wang and Xiaofang Gao—Dental Microwear Analysis and Diets of Dacaozi Ancient Population in Qinghai, China
- 115-g Dong Wei and Si Yang—Cranial Trepanations in Bronze Age and Early Iron Age Xinjiang
- 115-h Xu Zhang, Yajun Zhang and Tao Tong—Preliminary Analysis on the Health Status of Human Skeletal Remains from Ali Region of Tibet
- 115-i Minghui Wang and Dexin Cong—Migration and Diversity in Ancient Xinjiang: A Multidisciplinary Approach to the Investigation of Adunqiaolu Population
- 115-j Lei Sun, Wenquan Fan and Ligang Zhou—Oral Health and Dental Attrition of Human Remains from Tianli Cemetery, Xinzheng (ca. Eighth–Fifth Century BC)
- 115-k Hua Zhang, Deborah C. Merrett, Zhichun Jing, Jigen Tang and Dongya Yang—Osteoarthritis, Labor Division, and Occupational Specialization of the Late Shang China: Insights from YinXu (ca. 1250–1046 BC)

- 115-l Xiaoting Zhu, Hong Zhu, Hua Zhang, Dongya Yang and Minghui Wang—Preliminary Investigation of Health and Stress in a Human Skeletal Population of Liangzhu Culture from Jiangzhuang Site, Xinghua, Jiangsu
- 115-m Liang Chen, Yan Zhang, Jing Zhao, Zhouyong Sun and Elizabeth Berger—Health and Stress of Ancient People on the Shanbei Loess Slope in China: The Social and Environmental Impact
- 115-n Yawei Zhou, Qipeng Yan and Wanfa Gu—Health and Stress of Neolithic Yangshao Culture Skeletal Population from Wanggou Site, Zhengzhou
- 115-o Yongsheng Zhao, Wen Zeng and Shangwu Jiang—A Study of Kneeling Facet Observed on Bronze Age Human Skeletons Excavated in North China

**[116] POSTER SESSION ■ RECENT ADVANCES IN CHINESE ZOOARCHAEOLOGY**

**Room:** East Exhibit Hall B Poster Entrance (VCC)

**Time:** 6:00 PM–8:00 PM

**Chairs:** Jing Yuan, Dongya Yang and Xin Zhao

**Participants:**

- 116-a Xin Zhao, Dongya Yang, Jing Yuan, Xiaoling Dong and Hui Zhou—Ancient DNA Studies of Domesticated Cattle in Northern China
- 116-b Zhe Zhang—Mass Procurement and Feasting at Houtaomuga site, Northeast of China
- 116-c Peng Lyu, Katherine Brunson, Jing Yuan and Zhipeng Li—Zooarchaeological and Genetic Evidence for the Origins of Domestic Cattle in Ancient China
- 116-d Yayi Wang, Quanjia Chen and Chunxue Wang—Zooarchaeological Research of Oracle Bones from Lower Xiajiadian Culture
- 116-e Yanbo Song and Zebing Wang—Research on Faunal Remains at Gedujing Site, Muping, Shandong Province
- 116-f Yu Han—Analysis of the Faunal Remains at Shangjing City Site, Inner Mongolia (2013 excavation)
- 116-g Yunbing Luo—New Observations on Antlers from Chu Tombs
- 116-h Katherine Brunson, Lele Ren and Jada Ko—Preliminary Faunal Analysis of Qijiaping, Gansu Province
- 116-i Dawei Cai, Quanjia Chen, Hui Zhou and Dongya Yang—Ancient DNA analysis of Early Neolithic Cattle from Houtaomuga Site, Northern China
- 116-j Yue Li, Yue You, Yiting Liu, Nuo Xu and Jianxin Wang—Abnormalities of Horse Vertebrae from Xigou Site and Shirenzigou Site in Xinjiang
- 116-k Chunxue Wang, Quanchao Zhang, Yao Li, Ningning Liang and Xing Gao—Archaeological Study of Ostrich Eggshell Beads Collected from Shuidonggou
- 116-l Shaowu Lyu, Chunxue Wang, Quanchao Zhang, Lixin Wang and Ningning Liang—Identification of Adhesive on Bone-Handled Microblades from the Houtaomuga Site in Northeast China
- 116-m Chong Yu—Study on the Subsistence of Neolithic and Early Bronze Age China Using Published Mammal Records
- 116-n Quanjia Chen, Jun Chen, Ping Ji, Chunxue Wang and Yonggang Zhu—Preliminary Research on the Bone, Antler, and Tooth Artifacts from Hamimangha Site, Inner Mongolia
- 116-o Songmei Hu, Miaomiao Yang, Zhouyong Sun and Jing Sun—Research on Faunal Remains from the 2012–2013 Season Excavation at the Shimao Site in Shenmu, Shaanxi

**[117] POSTER SESSION ■ HUMAN LIFESTYLE AND ADAPTATION IN PREHISTORIC CHINA****Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 6:00 PM–8:00 PM**Chairs:** YaoWu Hu and XiangLong Chen**Participants:**

- 117-a Dixin Cong—Silk Road and Archaeology in Xinjiang: Insight from Adunqiaolu
- 117-b Ye Xiaohong and Tang Jigen—Investigation of Incising Techniques on Jades from the Fuhao Tomb in Yinxu
- 117-c YaoWu Hu, Dong Wei, Ning Wang and YaShan Ren—Isotopic Evidence of Affinity and Social Classes of Mongolian Noble Family during Yuan Dynasty
- 117-d Guowen Zhang—Carbon and Nitrogen Isotopic Analysis on Human and Animal Bones of Nanwa Site, Henan Province, China
- 117-e XiangLong Chen, ZhouYong Sun, XiaoNing Guo, PengCheng Zhang and SongMei Hu—Farming vs. Herding: Subsistence Practice during the Late Neolithic Evidenced by Stable Carbon and Nitrogen Isotopes in Shengedaliang, North Shaanxi, China
- 117-f Yating Qu, Yaowu Hu and Jianxin Cui—Multiple Evidences for Variations in Subsistence Strategy of Prehistoric Humans from the Guanzhong Area in Shaanxi Province, China
- 117-g Tao Dawei—Starch Grain Analysis of Human Dental Calculus from Guanzhuang Site, Henan Province
- 117-h Hua Wang, Jing Zhou and Ruin Mao—Community Memories? Ritual Animal Use of “Qijia Culture,” Evidence from Mogou Cemetery, Lintan County, Gansu Province, China
- 117-i Quan Zhang—Investigating the Diet and Health of Neolithic Boar in Central Turkey: A Pilot Study from Boncuklu Höyük

**[118] SYMPOSIUM ■ ARCHAEOLOGICAL SURVEYS IN LIGHT OF NEW TECHNOLOGIES****Room:** East Meeting Room 5 (VCC)**Time:** 6:00 PM–8:00 PM**Chair:** Marcos Llobera**Participants:**

- 6:00 Alex Knodell—A Paradigm Shift in Regional Archaeology?
- 6:15 David Hunt, Marcos Llobera and Jacob Deppen—Getting More from Survey: A Case Study from the Western Mediterranean (Mallorca, Spain)
- 6:30 Sarah Murray—New Technologies in Feature Recording for Archaeological Surveys: Potential and Challenges
- 6:45 Florencia Pezzutti, Christopher T. Fisher, Conrad Albrecht, Sharathchandra Pankanti and Francesca Rossi—Automated Archaeological Feature Extraction from Lidar
- 7:00 Rodrigo Solinis-Casparius, Anna Cohen and Christopher T. Fisher—Integrating Lidar with Pedestrian Survey at the Ancient City of Angamuco, Michoacán, Mexico
- 7:15 Omar A. Alcover Firpi, Charles Golden and Andrew Scherer—Reconsidering “Sites,” “Features,” and “Landscapes” in the Maya Lowlands with Remote Sensing and Ground-Based Survey
- 7:30 Parker VanValkenburgh—Site-Seeing: Aeriality, Archaeological Survey, and Objectivity in Coastal Peru
- 7:45 Emily Hammer and Dan Lawrence—Sites, Landscapes, and Survey Intensity in the South Caucasus: The Evolution of Landscape Archaeology Approaches in Armenia, Azerbaijan, and Georgia

**[119] SYMPOSIUM ■ ANCIENT MEXICO AND THE LEGACY OF HENRY B. NICHOLSON**

**Room:** East Meeting Room 17 (VCC)

**Time:** 6:00 PM–8:00 PM

**Chairs:** Jeremy Coltman, Angel González López and Claudia Camacho-Trejo

**Participants:**

- 6:00 Diego Matadamas Gómora—The Ometochtli Complex and Its Presence in the Offerings of the Great Temple of Tenochtitlan
- 6:15 Cynthia Kristan-Graham—Family Trees and Feathered Serpents at Chichén Itzá: Expanding H. B. Nicholson's Understanding of Kukulcan
- 6:30 Diana Bustos-Ríos and Ana Itzel Juárez-Martin—Entre Genes y Memes: Estudios de Paleogenética de Poblaciones en el México Antiguo
- 6:45 Angel González López and Andrew D. Turner—The Personification of Sacrificial Fire: An Undescribed Deity in Imperial Mexica Sculpture
- 7:00 Jeremy Coltman and Jesper Nielsen—Climbing the Home of the Rain Gods: Mountain Cults in Ancient Central Mexico
- 7:15 Rex Koontz—H. B. Nicholson and the Gulf Coast
- 7:30 Claudia Camacho-Trejo—The Legacy of a Tlamatini: H. B. Nicholson's Mesoamerican Archive
- 7:45 Ximena M. Chávez Balderas—Discussant

**[120] SYMPOSIUM ■ THE TULA REGION INTERACTION AND MIGRATION PROJECT (TRIMP): YEAR 1**

**Room:** East Meeting Room 14 (VCC)

**Time:** 6:00 PM–8:15 PM

**Chairs:** J. Heath Anderson and Emily Kate

**Participants:**

- 6:00 Sabrina Farias and J. Heath Anderson—El Cerro Magoni en Su Contexto Regional: Extensión y Significado del Desarrollo Xajay
- 6:15 Alejandro García and Gustavo Nieto Ugalde—Resultados Recientes sobre la Prospección del Cerro Magoni
- 6:30 Jorge García Sánchez, María Elena Suárez Cortés and Destiny Crider—Estudio Comparativo de la Cerámica Epiclásica de la Región de Tula: Cerro Magoni, Tula Chico y La Mesa
- 6:45 Destiny Crider—Examining Tula Region Ceramic Compositional Analysis
- 7:00 Sean Carr and Alma Gabriela López Rivera—Technological and Archaeometric Analysis of Obsidian from Cerro Magoni
- 7:15 Kathleen Blue—Migration and Interaction in the Epiclassic of the Tula Region: Preliminary Data as Evidenced by Dental Non-Metric Analysis
- 7:30 Emily Kate, J. Heath Anderson and Douglas J. Kennett—A Preliminary Study of Epiclassic Diet at Cerro Magoni in Tula, Mexico, Using Stable Isotope Analysis and AMS Radiocarbon Dating
- 7:45 Miroslava Rodríguez—El Cerro Magoni o Nonoalcatepetl en el Registro Histórico
- 8:00 J. Heath Anderson—Discussant

**[121] SYMPOSIUM ■ MIDDLE PLEISTOCENE SUBSISTENCE IN THE AZRAQ OASIS, JORDAN: PROTEIN RESIDUE AND OTHER PROXIES**

**Room:** East Meeting Room 13 (VCC)

**Time:** 6:00 PM–8:15 PM

**Chairs:** April Nowell and Carlos Cordova

**Participants:**

- 6:00 April Nowell, Carlos Cordova, Christopher Ames, James Pokines and Regina DeWitt—Middle Pleistocene Lifeways in the Azraq Oasis, Jordan

- 6:15 Carlos Cordova, April Nowell, Christopher Ames, James Pokines and Amer Al-Suliman—The Environmental Context of the Middle Pleistocene Occupation at the Shishan Marsh, Azraq, Jordan
- 6:30 Christopher Ames—A Multi-proxy Site Formation Analysis of a Late Middle Pleistocene Occupation in the Azraq Wetlands of Northeastern Jordan
- 6:45 James Pokines, April Nowell and Christopher Ames—Faunal Remains from Recent Excavations at Shishan Marsh 1 (SM1), a Lower Paleolithic Open Air Site in the Azraq Wetlands, Jordan
- 7:00 Daniel Stueber and April Nowell—Lithic Technology and Reduction Strategies at Shishan Marsh 1
- 7:15 Cam Walker—Dining Out in the Desert: Results from Protein Residue Analysis at the Azraq Oasis, Jordan
- 7:30 John Murray, Daniel Stueber and April Nowell—Handaxe Function at Shishan Marsh-1: Preliminary Results of an Experimental Use-Wear Analysis
- 7:45 Jeremy Beller—Raw Material Characterization and Lithic Procurement in the Azraq Basin, Jordan, during the Middle Pleistocene: Preliminary Results
- 8:00 Questions and Answers

**[122] GENERAL SESSION ■ TEACHING ARCHAEOLOGY****Room:** West Meeting Room 208 (VCC)**Time:** 6:00 PM–8:15 PM**Chair:** Kim Christensen**Participants:**

- 6:00 Belinda Riehl-Fitzsimmons, Tomasin Playford and Karin Steuber—The SAS ArchaeoCaravan-Museums Program: Archaeology and the Public in Saskatchewan
- 6:15 Kim Christensen—Archaeological Pedagogy, Gentrification and the City: Community-Engaged Scholarship in San Francisco
- 6:30 Caroline Pathy-Barker—ORJACH: Teaching Japanese Archaeology and Culture Online
- 6:45 Kenneth Aitchison—Discovering the Archaeologists of the Americas: Pilot Project
- 7:00 Charles Riggs and Blythe Morrison—Holes in Student Education: Policy and Adequate Field Training in Contemporary Archaeology
- 7:15 Amanda Cvinar—Using the NHL Framework to Advance the Development of Applied Archaeology
- 7:30 Lindsay Randall and Bethany Jay—Hidden Histories: Using Archaeology to Teach Slavery in the Secondary Classroom
- 7:45 Mia Carey—I Don't See Color, but I See Your Hijab: How Public Archaeology Can Confront Race, Racism, and Islamophobia in Social Science Education
- 8:00 Stephen Humphreys and Clarissa DiSantis Humphreys—Operation Nightingale USA: Archaeology as a Vehicle for Peer Support in the Veteran Community

**[123] SYMPOSIUM ■ ORIGINS AND TRANSFORMATIONS: THE WESTERN ISLANDS OF THE PACIFIC OCEAN****Room:** East Meeting Room 10 (VCC)**Time:** 6:00 PM–8:30 PM**Chairs:** Julie Field and John Dudgeon**Participants:**

- 6:00 Julie Field, Christopher Roos, John Dudgeon, Rebecca Hazard and Amy S. Commendador—Push and Pull Factors in Inland Settlement
- 6:15 Michael Dega and David Perzinski—Garapan and San Roque: Case Studies from Saipan, CNMI

- 6:30 Christopher Roos, Julie Field and John Dudgeon—Geographic Variability in the Onset and Intensification of Swidden Cultivation on Viti Levu, Fiji
- 6:45 Travis Freeland—Monuments, Boundaries, and Chiefly Competition in the Development of the Tongan State
- 7:00 Rebecca Hazard, Christopher Roos, Julie Field and John Dudgeon—Microfossil Analysis of Sediments from a Qaraqara Terrace Site, Viti Levu, Fiji
- 7:15 John Dudgeon, Olivia Franklin, Amy S. Commendador, Julie Field and Michael Dega—Molecular Taphonomy of Biominerals in the Western Pacific
- 7:30 Christina Stantis, Hallie Buckley, Amy S. Commendador and John Dudgeon—Using Stable Isotopes to Identify Childhood and Infant Feeding Practices in Prehistoric Taumako
- 7:45 Olivia Franklin, John Dudgeon, Amy S. Commendador, Rebecca Hazard and Michael Dega—Bioarchaeological Evidence for Diet in a Late Period Assemblage from Saipan, CNMI
- 8:00 Amy S. Commendador, John Dudgeon, Rebecca Hazard and Julie Field—Multicomponent analyses of prehistoric Fijian Diet: Stable Isotopes of Bone Collagen and Carbonate
- 8:15 David Burley—Discussant

**[124] GENERAL SESSION ■ PRESERVING HERITAGE SITES**

**Room:** West Meeting Room 203 (VCC)

**Time:** 6:00 PM–8:15 PM

**Chair:** Alvaro Higuera

**Participants:**

- 6:00 Alvaro Higuera—Reformulating Cultural Heritage Management Strategies in the Post-Soviet Caucasus Region
- 6:15 Linn Gassaway—Protecting Historic Structures during Wildfires
- 6:30 McKenzie Lowry—Seismic Mitigation for Collections at the J. Paul Getty Museum through Mountmaking
- 6:45 Mark Rees, Samuel Huey and Scott Sorset—Assessment of the Effects of an Oil Spill on the Disaster Archaeology of Louisiana's Gulf Coast
- 7:00 Jane Downes and Ingrid Mainland—Coastal Erosion as an Arena for Change
- 7:15 Kathryn Fay and George Calfas—Endangered Cultural History: Global Mapping of Protected and Heritage Sites
- 7:30 Laura Harrison—Virtualization as a Method for Heritage Preservation: A Case Study from Seyitömer Höyük, Turkey
- 7:45 Hannah Herrick—Building at Bac: Chronological Challenges in Conservation at Mission San Xavier
- 8:00 David Legare—El Camino Real de Tierra Adentro: Public Perceptions and Management

**[125] SYMPOSIUM ■ CERAMICS AND SOCIETY AMONG THE CLASSIC MAYA CITIES OF THE WESTERN PETÉN**

**Room:** East Meeting Room 19 (VCC)

**Time:** 6:00 PM–8:45 PM

**Chair:** Keith Eppich

**Participants:**

- 6:00 Keith Eppich—1,300 years of a Classic Maya Ceramic Tradition at El Perú-Waka', Guatemala
- 6:15 James Fitzsimmons—Painted Pots and Royal Routes: Hieroglyphic and Ceramic Traditions in the Western Petén

- 6:30 Charlotte Arnauld and Mélanie Forné—Multiscale Diversity in Classic Decorated Pottery in the Hiix Witz kingdom of the Western Maya Lowlands
- 6:45 Joanne Baron, Liliana Padilla, Christopher Martinez and Arielle Pierson—Ceramics of La Florida-Namaan: A Preliminary Report
- 7:00 Jessica Munson and Lorena Paiz Aragón—Ceramic Variation and Ritual Behavior at Altar de Sacrificios, Petén, Guatemala
- 7:15 Alyce de Carteret and Sarah Newman—Sharing Wares and Waging Wars: The Politics of Ceramic Exchange at the Classic Maya Site of El Zotz, Guatemala
- 7:30 Ellen Moriarty, Ronald L. Bishop, Matthew Moriarty and Antonia Foias—Ceramics and Society within the Late Classic Motul de San José Polity: A Multidisciplinary Perspective
- 7:45 Antonia Foias, Jeanette Castellanos and Kitty Emery—Ceramics and Polity at Motul de San José and Its Periphery
- 8:00 Julien Sion, Alejandro Patiño-Contreras and Divina Perla Barrera—Los Intercambios entre Naachtun (Guatemala) y el Oeste de las Tierras Bajas durante el Periodo Clásico: Una Mirada a Través de Su Cerámica
- 8:15 Matt O'Mansky and Arthur Demarest—Ceramic Chronology and Current Visions of the "Terminal Classic" and Collapse in the Southern Maya Lowlands: A Brief Desultory Philippic
- 8:30 Joseph Ball—Discussant

**[126] SYMPOSIUM ■ INVESTIGATING A TEN-MILLENNIA RECORD OF HUNTER-GATHERER LIFEWAYS IN THE NORTHEASTERN CHIHUAHUAN DESERT**

**Room:** East Meeting Room 16 (VCC)

**Time:** 6:00 PM–8:45 PM

**Chair:** Charles W. Koenig

**Participants:**

- 6:00 Charles W. Koenig and Stephen L. Black—Low Impact, High Resolution: Unraveling and Learning from 10,000 Years of Hunter-Gatherer Use of Eagle Cave
- 6:15 Victoria Pagano—The Developing Tale of Sayles Adobe
- 6:30 Amanda M. Castañeda—Characterizing Hunter-Gatherer Ground Stone Bedrock Features in the Northeastern Chihuahuan Desert
- 6:45 Kevin Hanselka, Amanda M. Castañeda, Christopher Jurgens, Charles W. Koenig and Stephen L. Black—Multidisciplinary Analyses of a Paleoindian Bison Butchering Event in Eagle Cave
- 7:00 Ken Lawrence, Charles Frederick, Arlo McKee, Charles W. Koenig and Stephen L. Black—The Paleoindian-Age Deposits of Eagle Cave: Preliminary Impressions
- 7:15 Karen Steelman, Jessica DeYoung and Carolyn Boyd—Archaeological Chemists and Chemical Archaeologists: Working Together in the Lower Pecos Canyonlands, Texas
- 7:30 Victoria Roberts, Audrey Lindsay, Jerod Roberts and Carolyn Boyd—The Tale of Rattlesnake Canyon: Ongoing Documentation of an Endangered Rock Art Site
- 7:45 Ashley Busby—From Viewer to Observer: Analyzing Spatial Complexity of Pictographs in the Lower Pecos
- 8:00 Kim Cox and Carolyn Boyd—The White Shaman Mural: The Story behind the Book
- 8:15 Carolyn Boyd and Kim Cox—Burning Water: Time and Creation in the Rock Art of the Lower Pecos
- 8:30 Jerod Roberts, Victoria Roberts and Carolyn Boyd—Around the Lower Pecos in 1,095 Days: A Baseline Rock Art Documentation Project



**[127] SYMPOSIUM ■ BEYOND DOMESTICATION: INVESTIGATIONS INTO THE HUMAN-CANINE CONNECTION**

**Room:** East Meeting Room 18 (VCC)

**Time:** 6:00 PM–8:45 PM

**Chairs:** Amanda Burt and Brandi Bethke

**Participants:**

- 6:00 Mietje Germonpré, Martina Láznicková-Galetová, Mikhail Sablin and Hervé Bocherens—The Upper Paleolithic Beginnings of the Domestication of the Dog
- 6:15 Victoria Moses—The Many Roles of Roman Dogs
- 6:30 Steven R. Kuehn—The Changing Role of the Domestic Dog: New Evidence from the American Bottom Region of Illinois
- 6:45 Brandi Bethke—Domesticated Animals as a Source of Cultural Change during the Contact Period on the Northwestern Plains
- 7:00 Victoria Bowler, Emily Lena Jones and Cyler N. Conrad—The Canids of Arroyo Hondo: A Reanalysis
- 7:15 Katherine Latham—Working Like Dogs: A Systematic Evaluation of Spinal Pathologies as Indicators of Dog Transport in the Archaeological Record
- 7:30 Amanda Burt—Hard Fare: Investigating Dog Teeth to Interpret the Value of a Dog among Northwestern Plains and Rocky Mountains
- 7:45 Meagan Dennison—Ancient Dogs of the Tennessee River Valley
- 8:00 Kate Britton, Edouard Masson-Maclean, Ellen McManus-Fry, Claire Houmard and Carly Ameen—The Archaeology of Dogs at the Precontact Yup'ik Site of Nunalleq, Western Alaska
- 8:15 Kelsey Noack Myers—East Coast Canines and Culture Contact: A Multidisciplinary Approach
- 8:30 Kacy Hollenback and Abigail Fisher—Chien Opérateur: Dogs as Technological Systems in the Northern Great Plains

**[128] SYMPOSIUM ■ MARKETS AND CAPITALISMS IN INDIGENOUS SOCIETIES IN THE COLONIAL AMERICAS**

**Room:** East Meeting Room 12 (VCC)

**Time:** 6:00 PM–8:45 PM

**Chairs:** Douglas Smit and Guido Pezzarossi

**Participants:**

- 6:00 Douglas Smit—Indigenous Miners and the Making of the Andean Markets in Colonial Huancavelica
- 6:15 Noa Corcoran Tadd—Charki and Red Currant Jam: Provisioning Extractive Industries in Republican Highland Peru
- 6:30 Pilar Escontrías—Law, Private Property, and the Construction of the Family in the Archaeological Record of Colonial Moquegua
- 6:45 Lisa Overholtzer and John K. Millhauser—A Tale of Two Pueblos: Varying Consumption Practices and Market Dependence within the Margins of the Spanish Colonial Empire in Mexico
- 7:00 Guido Pezzarossi—Resisting Capitalocentrism: Heterogenous Assemblages of Market and Anti-market Practices in Colonial Guatemala
- 7:15 Heather Trigg—An Exploration of Indigenous Participation in Spanish Economic Activities in Seventeenth-century New Mexico
- 7:30 Amelie Allard—“Little Hope of Much Trade This Year”: Merchant Capitalism and Community-Making in the Late Eighteenth-Century Western Great Lakes Fur Trade
- 7:45 William Farley—An Analysis of Calluna Hill (59–73): Pequot Cultural Entanglement and Complex Consumption during the Pequot War
- 8:00 Lance Greene—Cherokee Participation in the Southern Slave Society

- 8:15 Kathryn Sampeck—Discussant  
8:30 Christopher DeCorse—Discussant

**[129] SYMPOSIUM ■ PREHISTORIC ECONOMIES IN MIDDLE-RANGE SOCIETIES: PAPERS IN HONOR OF KATHERINE SPIELMANN**

**Room:** East Ballroom C (VCC)

**Time:** 6:00 PM–8:45 PM

**Chairs:** James Potter and William Graves

**Participants:**

- 6:00 James Potter—Feasting and the Ritual Mode of Production in the Mesa Verde Region of the American Southwest  
6:15 James Allison—Kinship and the Self-Organization of Exchange in Small-Scale Societies  
6:30 Colleen Strawhacker, Grant Snitker, Keith Kintigh, Ann Kinzig and Katherine Spielmann—Measuring Risk to Food Security in the Prehispanic U.S. Southwest: The Salinas Region in the Broader Southwest World  
6:45 Tiffany Clark—The Production and Exchange of Chupadero Black-on-White Pottery and Its Relationship to Social Identity  
7:00 Matthew Chamberlin—Women’s Mobility and Inter-Pueblo Exchange in the Salinas Area, AD 1100–1300  
7:15 Deborah Huntley and Cynthia Herhahn—Rio Grande Glaze Ware Knowledgeescapes  
7:30 William Graves—Household and Political Economy in Ancient Hohokam Society  
7:45 James Bayman—From Hohokam Archaeology to Narratives of the Ancient Hawaiian “State”  
8:00 Melissa Kruse-Peebles—Landscape Legacies in Central Arizona: Archaeologists and Ecologists Working Together  
8:15 Alison Rautman—Ritual and Feasting in the Field: The Role of Theoretically Informed Practice in Creating Resilience within the Archaeological Field Crew  
8:30 Katherine Spielmann—Discussant

**[130] SYMPOSIUM ■ RECENT ANALYTICAL CONTRIBUTIONS TO CHACOAN ARCHAEOLOGY**

**Room:** East Ballroom B (VCC)

**Time:** 6:00 PM–8:45 PM

**Chair:** Chip Wills

**Participants:**

- 6:00 Marian Hamilton, Lee Drake, Wirt Wills and Emily Lena Jones—Stable Isotope Ratios from Modern and Archaeological Fauna from Chaco Canyon, New Mexico  
6:15 Adam Watson, Patricia Gilman, Douglas J. Kennett, Peter Whiteley and Stephen Plog—The Exotic and the Sacred: Evidence for Ritual Uses of Birds and Long-Distance Exchange at Chaco and Mimbres (AD 800–1200)  
6:30 Lee Drake—Chemostratigraphic Analysis of Alluvial Sediments in Chaco Canyon, New Mexico  
6:45 Wetherbee Dorshow—Toward a Dynamic Geospatial Model of Shifting Hydrologic Regimes and Agricultural Potential at Chaco Canyon: Report from the Field  
7:00 Jennie Sturm—Recent Advancements in Remote Sensing Studies in Chaco Canyon  
7:15 Chip Wills, Beau Murphy and Heather Richards-Rissetto—A Three-Dimensional Reconstruction of the Pueblo Bonito Mounds  
7:30 Katherine Dungan, Sylviane Déderix, Barbara Mills, Kristin Safi and Devin White—Local Visibility and Monumentality in the Chaco World: A Total Viewshed Approach

- 7:45 Barbara Mills, Matt Peeples, Jeffery Clark, Leslie Aragon and Thomas Windes—  
"Mind the Gap": Social Networks and Chaco Migration Scenarios
- 8:00 Patricia Crown—The Science and Performance of Ritual Drinking in Chaco  
Canyon
- 8:15 Christopher Guiterman—The Origins of Chaco Timbers by Tree-Ring–Based  
Sourcing
- 8:30 Ben Nelson—Discussant

**[131] SYMPOSIUM ■ LIDAR IN THE MAYA HEARTLAND: RESULTS OF THE 2016 LIDAR  
SURVEY IN GUATEMALA'S MAYA BIOSPHERE RESERVE**

**Room:** West Meeting Room 206 (VCC)

**Time:** 6:00 PM–8:45 PM

**Chairs:** Francisco Estrada-Belli, Marcello A. Canuto and Thomas Garrison

**Participants:**

- 6:00 Arlen Chase—Discussant
- 6:15 Juan C. Fernandez Diaz and Ramesh Shrestha—Baseline Remote Sensing  
Survey of the Mayan Biosphere Reserve (MBR) in Petén, Guatemala
- 6:30 Marcello A. Canuto, Tomás Barrientos, Luke Auld-Thomas and David  
Chatelain—Preliminary Lidar-Based Analyses of the La Corona: El Achiotal  
Corridor
- 6:45 Damien Marken and David Freidel—Documenting Classic Maya Urban  
Landscapes: Comparing and Integrating the Results of Lidar and Topographic  
Survey at El Perú-Waka', Petén, Guatemala
- 7:00 Mary Jane Acuña, Varinia Matute, Carlos Chiriboga and Francisco Castañeda—  
The Cultural and Natural Landscapes of El Tintal, Guatemala: Preliminary  
Results of the Application of Airborne Lidar
- 7:15 Philippe Nondédéo, Cyril Castanet, Eva Lemonnier, Louise Purdue and Jean-  
François Cuenot—Preliminary Lidar-Based Analyses of Naachtun Settlement  
Patterns and Land Use
- 7:30 Tibor Lieskovsky, Milan Kovac and Tomas Drapela—Usability of Lidar Data for  
Archaeological Survey in the Uaxactun Area, North Petén, Guatemala
- 7:45 Thomas Garrison, Stephen Houston and Omar A. Alcover Firpi—Hilltops and  
Boundaries: The Lidar Survey of El Zotz and Tikal
- 8:00 William Saturno, Robert Griffin, Thomas Sever and Boris Beltran—Site Map  
Validation and Quantifying Linkages between Multispectral and Lidar Remote  
Sensing for Settlement Pattern Mapping
- 8:15 Francisco Estrada-Belli—Discussant
- 8:30 Questions and Answers

**[132] GENERAL SESSION ■ ARCHAEOLOGY OF THE MEDITERRANEAN REGION**

**Room:** East Meeting Room 3 (VCC)

**Time:** 6:00 PM–8:45 PM

**Chair:** Ashley Cercone

**Participants:**

- 6:00 Alan Simmons—Why Colonize? A Case Study of the Early Neolithic Colonization  
of the Island of Cyprus
- 6:15 Peter Day—Refugees, Tradition, and the State: Malleable Materials and Plastic  
Practices in Ceramic Production on Lesbos, Greece
- 6:30 Laura Swantek—Social Complexity and Wealth Inequality in Middle-Range  
Society: A Complex Systems and Network Science Approach to the Prehistoric  
Bronze Age on Cyprus
- 6:45 Ashley Cercone and Kristin Donner—Ceramics Production and Trade in Western

- Anatolia: A Reexamination of the Ceramic Mold-Making Process at Seyitömer Höyük in Kütahya, Turkey
- 7:00 Erica Camurri—Monte Bibebe (Monterenzio, Italy): Analyzing Patterns of Cultural Interaction Between Celts, Etruscans, and Other Italic Populations in Northern Italy from the Fourth to the Second Century BC
- 7:15 Rebecca Bartusewich—Understanding Interactions between Iron Age Polities in Cyprus through the Microscopic Lens
- 7:30 Melissa Morison—Taking Out the Trash: Resilience and Reuse in a Late Roman Urban Space
- 7:45 Katherine Jarriel—Modeling Maritime Travel in the Bronze Age Cyclades (Greece)
- 8:00 Hilary Becker—Branding the Mediterranean: Naturally Sourced Products and Their Containers in Greece and Rome
- 8:15 Matthew Naglak and Parrish Wright—A Roman “House”? A New Model for Understanding the Origins of the Roman Gens
- 8:30 Bethany Simpson and Emily Cole—Results from the 2016 Excavation of a Qarah el-Hamra, a Graeco-Roman Village in Fayum, Egypt

**[133] SYMPOSIUM ■ IDENTITY AND CHANGE: ARCHAEOLOGICAL INTERACTION ACROSS ARCHIPELAGOS, INLAND SEAS, AND OCEANS**

**Room:** East Meeting Room 11 (VCC)

**Time:** 6:00 PM–9:00 PM

**Chairs:** Simon Stoddart and Caroline Malone

**Participants:**

- 6:00 Caroline Malone, Nicholas Vella, Reuben Grima, Katya Stroud and Anthony Pace—Introduction—Islands Connected or Unconnected: A Case Study of Malta
- 6:15 Rowan McLaughlin, Katrin Fenech, Rory Flood, Michelle Farrell and Ronika Power—Rhythms of Stability and Change in the Central Mediterranean
- 6:30 Niall Sharples—Contrasting Communities: Relationship Change in the Western Isles of Scotland
- 6:45 Corinne L. Hofman—Ancient Networks of the Caribbean: Interaction and Exchange across the Historical Divide
- 7:00 Joanna Ostapkowicz, Emma Slayton, John Pouncett, Alice Knaf and Gareth Davies—Lucayan Connections: Core and Periphery in the Bahama/Turks and Caicos Archipelago
- 7:15 Kevin Smith—Dependent Independence? Identity, Interconnection, and Isolation in Iceland (AD 870–1800)
- 7:30 Alice Samson and Jago Cooper—Examining the Religious Dynamics of the Columbian Exchange: Islands of Belief and Conversion
- 7:45 Thomas Leppard and Jason Laffoon—Patterns and Outliers in Prehistoric Island Mobility: Comparing the Strontium Data
- 8:00 Simon Stoddart, Christopher Hunt, David Redhouse, Ewan Campbell and Charles French—The Longue Durée of Malta (Mediterranean) and Lismore (Argyll, Scotland) Compared and Contrasted, and Set within Concluding Remarks
- 8:15 Cyprian Broodbank—Discussant
- 8:30 Questions and Answers
- 8:45 Matthew Spriggs—Discussant

**[134] SYMPOSIUM ■ RE-PENSANDO LA/S MOVILIDAD/ES ANDINA/S: NUEVAS PERSPECTIVAS EN TORNO AL VIAJE, CONTACTO, INTERACCIÓN, INTERCAMBIO Y OBTENCIÓN DE RECURSOS EN LOS ANDES CENTRO-SUR**

**Room:** West Meeting Room 209 (VCC)

**Time:** 6:00 PM–9:00 PM

**Chairs:** Francisca Santana Sagredo and Mauricio Uribe

**Participants:**

- 6:00 Rodrigo Loyola, Isabel Cartagena and Lautaro Núñez—Tecnología Lítica y Movilidad durante el Poblamiento Temprano del Desierto de Atacama Meridional (Chile)
- 6:15 Nicholas Tripcevich, Lisa Trever, Chris J. Kennedy, Eric Kansa and Michael D. Glascock—Open Obsidian Geochemistry Visualization System for the Andes
- 6:30 Marcela Sepúlveda, Luis Cornejo, Thibault Saintenoy, Daniela Osorio and Luca Sitzia—North/South Archaic Mobility in Dry Puna: Hunter-Gatherers from the Upper Azapa Valley Basin, Northern Chile
- 6:45 Estefania P. Vidal Montero, Francisco Gallardo, Benjamín Ballester, Gonzalo Pimentel and José Blanco—Formative Mobilities: Moving through the Atacama Desert, Northern Chile
- 7:00 William Pestle, Christina Torres-Rouff, Francisco Gallardo and Gloria Andrea Cabello—The Interior Frontier: Intercultural Exchange in the Formative Period (1000 BC–AD 400) of Quillagua, Antofagasta Region, Northern Chile
- 7:15 Pablo Mendez-Quiros—Redes Viales y Prácticas de Movilidad en los Valles Occidentales Meridionales, Área Centro Sur Andina
- 7:30 Axel Nielsen, José Berenguer and Gonzalo Pimentel—In the Middle of Nowhere: Inter-nodal Archaeology and Mobility in the Southern Andes
- 7:45 Daniela Valenzuela, Bárbara Cases, Persis B. Clarkson, José M. Capriles and Victoria Castro—Where Are the Camelids? Mobility Models and Caravanning during the Late Intermediate Period (ca. AD1000–1400) in Northernmost Chile, South-Central Andes
- 8:00 Eugenia M. Gayo, Daniela Valenzuela, Isabel Cartagena, Calogero M. Santoro and Claudio Latorre—Where Are the Camelids? II: Contributions from the Stable Isotope Ecology to Understand Mobility and Exchange Patterns in the South-Central Andes
- 8:15 Francisca Santana Sagredo, Julia Lee-Thorp, Rick J. Schulting and Mauricio Uribe—An Isotopic Evaluation of the Classic Andean Mobility Models in Northern Chile during the Late Intermediate Period (AD 900–1450)
- 8:30 Carolina Agüero—Intervención de la Textilería Local como Estrategia del Tawantinsuyo para Vincular a las Poblaciones de Atacama con el Noroeste Argentino (1350–1535 dC)
- 8:45 Tom Dillehay—Discussant

**[135] SYMPOSIUM ■ ANCIENT METALLURGY IN MESOAMERICA: LOCAL EXPRESSION AND INTERREGIONAL CONNECTIONS**

**Room:** West Meeting Room 210 (VCC)

**Time:** 6:00 PM–9:00 PM

**Chair:** Elizabeth H. Paris

**Participants:**

- 6:00 Diana Zaragoza and Kim Richter—Precolumbian Huastec Metallurgy
- 6:15 Isabel Medina-González, Manuel Espinosa-Pesqueira and Grégory Pereira—Proto-Tarascan Uacusecha Metallurgy: Issues about Technological Transition and Lost Techniques
- 6:30 José Luis Punzo, Cesar Valentín Hernández, Lissandra Gonzalez and Mijaely Castañón—Ancient Metal Routs in the Tarascan Señorío: Mining, Smelting, Smiting

- 6:45 Manuel Espinosa-Pesqueira, Blanca Maldonado, Isabel Medina-González and Gérald Migeon—Noninvasive Analyses of Metal Artifacts from the Milpillas Site, Zacapu, Michoacán
- 7:00 Marc Levine—Mixtec Goldworking: New Evidence for Lost-Wax Casting from Late Postclassic Tututepec, Oaxaca
- 7:15 Edith Ortiz-Diaz—The Periphery Gold Production Areas of Oaxaca: Tradition and Distinctiveness
- 7:30 Elizabeth H. Paris, Elizabeth Baquedano and Carlos Peraza Lope—Metallurgical Production at Mayapán, Yucatán, Mexico: New Discoveries from the R-183 Group
- 7:45 Scott Simmons and Bryan Cockrell—Maya Metals: A Comparative Analysis from Tipu and Lamanai, Belize
- 8:00 Johan Garcia—Indigenous Copper Production in Colonial Mexico (1533–1630)
- 8:15 Dorothy Hosler—Discussant
- 8:30 Aaron Shugar—Discussant
- 8:45 Questions and Answers

**[136] SYMPOSIUM ■ RITUAL DURING PERIODS OF DECLINE, COLLAPSE, AND REGENERATION IN ARCHAIC STATES**

**Room:** West Meeting Room 202 (VCC)

**Time:** 6:00 PM–9:00 PM

**Chair:** Joanne Murphy

**Participants:**

- 6:00 Joanne Murphy—Ritual and Tombs around the Decline and Collapse of the Pylian State
- 6:15 Florence Gaignerot-Driessen—Old Deities for New Men? The Social, Cultural, and Political Role of Religion and Ritual Practices during the Late Bronze Age/Early Iron Age Transitional Period on Crete
- 6:30 Julye Bidmead—Ritual Power and Politics in Mesopotamia
- 6:45 Rebecca Seifried—Vestigial Religion: The Legacy of Byzantine Christianity in Ottoman and Venetian Greece
- 7:00 Ronald Fauseit and Jeremias Pink—Who Owns the Cosmogram? Adaptations in Ritual Activity in the Wake of Political Transformation at Dainzú, Oaxaca Valley of Mexico
- 7:15 Donna Nash and Patrick Ryan Williams—Why Did They Leave? The Wari Withdrawal from Moquegua
- 7:30 Nicola Sharratt—Rejection and Reinvention: A Diachronic Perspective on Ritual and Collapse in the South-Central Andes
- 7:45 Gyles Iannone—Merit Making at Ancient Bagan, Myanmar: A Consideration of Socioreligious Entanglements and the Rise and Fall of a Classical Southeast Asian State
- 8:00 Chapurukha Kusimba—Contextualizing Ritual and Collapse in Eastern and Southern African Chiefdoms and States
- 8:15 Peter Robertshaw—Decline, Collapse, and Regeneration of the State in Sixteenth-Century Bunyoro (Uganda): A Diachronic Archaeological Perspective on Ritual and the Negotiation of Creative Power
- 8:30 Joanne Murphy—Discussant
- 8:45 Questions and Answers

**[137] SYMPOSIUM ■ MOUNTAIN TOWNS AND CROSSROADS: ARCHAEOLOGY OF THE SIERRA SUR OF OAXACA, MEXICO**

**Room:** West Meeting Room 205 (VCC)

**Time:** 6:00 PM–9:15 PM

**Chair:** Alex E. Badillo

**Participants:**

- 6:00 Stacie King, Shanti Morell-Hart and Elizabeth Konwest—Sacred Worlds and Pragmatic Science in the Aftermath of Conquest: The Hidden Caves of Cerro del Convento
- 6:15 Andrew Workinger and Stacie King—Obsidian Blade Production and Husbandry in the Nejapa/Tavela Region of Oaxaca, Mexico
- 6:30 Marijke Stoll—Ballgames and the Social Networks of the Sierra Sur: What Can Ballcourts Tell Us about Political Negotiation in Southern Oaxaca?
- 6:45 Ricardo Higelin Ponce de Leon and Stacie King—Motherhood at Majaltepec: A Hypothesis Based on an Early Colonial Period Cemetery in the Sierra Sur of Oaxaca
- 7:00 Lindsey Kitchell and Alex E. Badillo—The Sierra Sur in 3D: Benefits of Photogrammetry and 3D Printing for Archaeological Research in Remote Regions
- 7:15 David Massey—Remote Sensing of Anthropogenic Vegetation in Sierra Sur, Oaxaca, Mexico
- 7:30 Questions and Answers
- 7:45 Danny Zborover—Two Figurines and a Conquest: Toltec and Aztec Warriors in the Sierra Sur of Oaxaca?
- 8:00 Rogelio Rascón—Arqueología en la Sierra Sur de Oaxaca: El Sitio Fortaleza de Quiavicuzas
- 8:15 Pablo Fernando de Jesús Pérez—Un Complejo Arqueológico en las Márgenes del Río Tehuantepec en la Sierra Sur de Oaxaca: El Caso de Ladchixila
- 8:30 Bridget Kelly—Linguistic Archaeology of the Sierra Sur, Oaxaca
- 8:45 Aaron Estes and Alex E. Badillo—Settlement Survey of the Rural Mountainous Region of Quiechapa in Southern Mexico
- 9:00 Alex E. Badillo—Narratives of Quiechapa in Light of Material Evidence from Survey

**[138] SYMPOSIUM ■ RECONSTRUCTING INDIGENOUS PRACTICES IN MUSEUM SETTINGS: PERSPECTIVES AND APPROACHES**

**Room:** West Meeting Room 204 (VCC)

**Time:** 6:00 PM–9:15 PM

**Chairs:** Claire Heckel and Matthew Magnani

**Participants:**

- 6:00 Natalia Magnani—Repositioning Habitus as Cultural Capital in Sami Museum Collections
- 6:15 Matthew Magnani—Indigenous Experimental Archaeology: A Community-Driven Remembering of Technique
- 6:30 Vera Solovyeva and Amy Tjong—The Revival of Gut-Skin Parka Production among the Siberian Yupik
- 6:45 Naoto Yamamoto, Kumiko Horikawa and Takako Shimohama—Ethnoarchaeological Analysis of Prehistoric Baskets from Central Japan and Basketry Techniques Found at the Museum of Archaeological Research
- 7:00 Dale Croes and Ed Carriere—Reawakening a 2,000-Year-Old Salish Sea Basketry Tradition and Sharing It around the World: Master Salish Basketmaker and Wet Site Archaeologist Explore 100 Generations of Cultural Knowledge
- 7:15 Steve Henrikson and Janice Criswell—The Resurgence of Geometric-Patterned Regalia on the Northern Northwest Coast

- 7:30 Claire Heckel—Tracing the Emergence of Pan-Indian Conventions of Dress in the Collections of the American Museum of Natural History
- 7:45 Margaret Bruchac—Digging for Shells: Recovering Indigenous Wampum Technologies in Museum Collections
- 8:00 Shadreck Chirikure—Cross-Craft Overlaps in Materials and Symbolism: Insights from Legacy Crucibles from the Great Zimbabwe Archive
- 8:15 Patricia Capone—Museum Archaeology and Studying Technology
- 8:30 George Nicholas—Curating Indigenous Heritage: Addressing Intellectual Property and Material Culture Concerns
- 8:45 Alyce Sadongei—Engaging Tribal Relations and Tribal Collections
- 9:00 Questions and Answers

**[139] SYMPOSIUM ■ MANIPULATED BODIES: INVESTIGATING POSTMORTEM INTERACTIONS WITH HUMAN REMAINS**

**Room:** East Meeting Room 1 (VCC)

**Time:** 6:00 PM–9:15 PM

**Chair:** Elizabeth Craig-Atkins

**Participants:**

- 6:00 Amy Gray Jones—Manipulation of the Body in the Mesolithic of Northwest Europe
- 6:15 Karina Croucher—Living with the Dead: Plastered Skulls and “Continuing Bonds”
- 6:30 Lynne Bell—The Histotaphonomy of Human Skeletal Exposure within a Neolithic Long Cairn at Hazleton, United Kingdom
- 6:45 Jess Beck—Postmortem Manipulation, Movement, and Memory in Copper Age Iberia
- 7:00 Ian Armit, Lindsey Büster, Rick J. Schulting, Laura Castells Navarro and Jo Buckberry—Postmortem Interactions with Human Remains at the Covesea Caves in Northeast Scotland
- 7:15 Kirsty Squires—Time to Take a Rain Check? The Social and Practical Implications of Weather and Seasonality on the Cremation Rite in Early Anglo-Saxon England
- 7:30 Elizabeth Craig-Atkins, Jennifer Crangle and Dawn Hadley—The Chronological and Liturgical Context of Charnel Practice in Medieval England: Manipulations of the Skeletonized Body at Rothwell Charnel Chapel, Northamptonshire
- 7:45 Dawn Hadley, Elizabeth Craig-Atkins and Jennifer Crangle—The Afterlife of the Charnel Chapel at Rothwell (Northamptonshire, United Kingdom)
- 8:00 Adrian Padure—The Dead in a Transylvanian Village
- 8:15 Steven Gallagher—The Lost Dead of China: Why Does Hong Kong Retain the Unowned and Unclaimed Dead from the Chinese Diaspora of the Nineteenth and Twentieth Centuries?
- 8:30 Atiba Rougier—The Politics of Death: An Anthropological Excavation of Political Ascension Through the Strategic Manipulation of Postmortem Bodies as Objects to be Used, Misuse and Abuse—and the Historic Ghost We've Inherited, Materially and Immaterially
- 8:45 Questions and Answers
- 9:00 Anna Osterholtz—Discussant

**[140] GENERAL SESSION ■ RECENT PALEOINDIAN STUDIES I**

**Room:** East Meeting Room 2 (VCC)

**Time:** 6:00 PM–9:15 PM

**Chair:** James Chatters

**Participants:**

- 6:00 Ian Buvit and Karisa Terry—A Source and an End: Hokkaido, Sakhalin, and the Peopling of Beringia



- 6:15 Tawnya Waggle—Mobility of Folsom and Late Paleoindian Occupations at the South Bank Portion of Blackwater Draw Locality No. 1
- 6:30 Ismael Sánchez-Morales—The Clovis Lithic Technology at El Fin del Mundo: Early Paleoindian Mobility and Land-Use Patterns in North-Central Sonora, Mexico
- 6:45 Ciprian Ardelean—New Indicators of a “(Much) Older-Than-Clovis” Cultural Presence at Chiquihuite Cave Archaeological Site in Zacatecas, Mexico
- 7:00 William Bryce and Michael L. Terlep—From the Canyon to the Staircase: Expanding the Paleolithic Presence in the Arizona Strip
- 7:15 Geoffrey Cunnar, Ed Stoner and Tom Bullard—Searching for the “Paleoarchaic Individual” and Unique Paleoarchaic “Production Grammar” in the Great Basin
- 7:30 Derek Reaux, Geoffrey Smith, Ken Adams, Nicole George and Sophia Jamaladin—Preliminary Results from the Paleoindian Record of Guano Valley, Oregon
- 7:45 James Chatters, Vera Tiesler, Andrea Cucina, Diana Arano Recio and Pilar Luna Erreguerena—The Life of the Adolescent Paleoindian Female from Hoyo Negro, Quintana Roo, Mexico
- 8:00 Brian Wygal—Technological Complexities of the Peopling of Eastern Beringia
- 8:15 Gary Haynes and Janis Klimowicz—Clovis-Killed Mammals
- 8:30 Kayla Worthey and Joaquín Arroyo-Cabrales—Gomphotheres, Mastodons, and Mammoths: The Fauna from El Fin del Mundo, Sonora
- 8:45 Emily Williams—Overall Spatial Pattern Recognition in Diagnostic Folsom Artifacts from the Central Plains
- 9:00 Douglas MacDonald, Matthew Nelson and Jordan McIntyre—Archaeology and Geomorphology of Paleo-Shorelines at Yellowstone Lake, Wyoming

**[141] SYMPOSIUM ■ A GLOBAL DIALOGUE ON COLLABORATIVE ARCHAEOLOGY**

**Room:** East Ballroom A (VCC)

**Time:** 6:00 PM–9:45 PM

**Chairs:** Bonnie Clark and Meredith S. Chesson

**Participants:**

- 6:00 Meredith S. Chesson—“It comes from gathering”: Collaborative Archaeology and Future Directions
- 6:15 Katherine Sebastian Dring, Stephen Silliman, Natasha Gambrell and Ralph Sebastian Sidberry—Grounding Futures in Pasts: Eastern Pequot Community Archaeology in Connecticut
- 6:30 Katherine Shakour and Ian Kuijt—Going beyond Science: The Tangible and Intangible Contributions of Community Archaeology
- 6:45 Stephen Mrozowski—The Pragmatic and Epistemological Challenges of Collaborative Research
- 7:00 Bonnie Clark—Discussant
- 7:15 Audrey Horning—Collaboration, Collaborators, and Conflict: Ethics, Engagement, and Archaeological Practice
- 7:30 Jun Sunseri—Risk in Collaborative Archaeologies of Place as Engaged Scholarship
- 7:45 Bonnie Clark—Healing through Heritage: Collaborative Archaeology as Process
- 8:00 Raphael Greenberg—Wedded to Privilege? Archaeology and Academic Capital
- 8:15 Meredith S. Chesson—Discussant
- 8:30 Kelly Britt—Collaborating on the Federal Level: Moving beyond Mandated Consultation in the Section 106 Process
- 8:45 Morag Kersel—Good Collectors of Archaeological Artifacts from the Holy Land?
- 9:00 Sonya Atalay—Can Archaeology Help Decolonize the Way Institutions Think? How Community-Based Research Is Transforming the Archaeology Training Toolbox and Educating Institutions

- 9:15 Alison Wylie—Discussant  
9:30 Questions and Answers

**[142] GENERAL SESSION ■ THE ARCHAEOLOGY OF FOODWAYS**

**Room:** West Meeting Room 207 (VCC)

**Time:** 6:00 PM–9:45 PM

**Chair:** R.G. Matson

**Participants:**

- 6:00 R.G. Matson and William Lipe—Why Raise Turkeys in the Mesa Verde Region?  
6:15 William Lipe, Laura Ellyson, Kyle Bocinsky, Robin Lyle and R.G. Matson—Costly Gobbling: Raising Turkeys in the Central Mesa Verde Area  
6:30 Rachel Briggs—A Gendered Approach to Assessing Differences in the Hominy Foodway in Central Alabama  
6:45 Jim Railey—Bell-Shaped Pits in the American Southwest  
7:00 Ross K. Harper and Sarah P. Sportman—“First Fruits” Household Foodways at the ca. 1638 Waterman Site House, Marshfield, Plymouth Colony, Massachusetts  
7:15 Erin Crowley—Subsistence and Political Economy: Dairying and Change in Late Prehistoric Ireland  
7:30 Spencer Lodge—Fire on the Mountain: Roasting Pits in the Sheep Range on the Desert National Wildlife Refuge  
7:45 Kaitlin Brown—Colonialism and Cuisine: Change and Continuity in Soapstone Consumption during the Contact Period in Alta, California  
8:00 Erik Porth, J. Lynn Funkhouser, Susan Scott and John Blitz—Reconsidering Mississippian Communal Food Consumption: A Case for Feasting at Moundville  
8:15 Laura Motta and Scott Russel—Eating Like a Bird: Millet in Iron Age Italy—Economic, Political, or Identity Choice?  
8:30 Deniz Kaya, Ian Kuijt and Meredith S. Chesson—Ritual Feasting and Its Social Implications: Analysis of the Ritual Pits at Dana-Bunar 2-Lyubimets, Bulgaria during the Late Neolithic (5400–5000 BC)  
8:45 Enah Montserrat Fonseca Ibarra, Sharon Herzka, Miguel Téllez, Miguel Santa Rosa del Río and René L. Vellanoweth—Year-Round Shellfish Harvesting during the Middle to Late Holocene on the Northwest Coast of Baja California  
9:00 Kendra Hein—A “Color” Test: Subsistence Practices among Racially Integrated Communities between 1839 and 1890 in the Midwest Region  
9:15 Damian Kirkwood—Butchering Practices at the Vore Buffalo Jump (48CK302): Investigating Organization with the Nearest Neighbor Test  
9:30 Robin Lyle—Two episodes of Ritual Turkey and Dog Burials in Southwestern Colorado: A case study

**[143] SYMPOSIUM ■ EVOLUTIONARY ADAPTATIONS AND POPULATION HISTORY OF THE ATACAMA DESERT**

**Room:** East Exhibit Hall A (VCC)

**Time:** 6:00 PM–10:00 PM

**Chairs:** Susan C. Kuzminsky and Laura Weyrich

**Participants:**

- 6:00 James Watson, Ivan Munoz and Bernardo Arriaza—Biocultural Evolution of the Oral Complex in Coastal Atacama and the Interplay of Selection, Plasticity, and Population Histories  
6:15 Döbereiner Chala-Aldana, Hervé Bocherens, Christopher Miller and Kurt Rademaker—Mobility among Hunter-Gatherers in the Central Andean Highlands during the Early-Middle Holocene: GIS Models from Sr and O Isotopic Analyses

- 6:30 Allisen Dahlstedt and Jane E. Buikstra—A Bioarchaeological Survey of Skeletal Tuberculosis in Prehistoric Southern Peru
- 6:45 César Méndez, Antonio Maldonado, Andrés Troncoso, Amalia Nuevo Delaunay and Sebastian Grasset—Human Responses to Holocene Aridization South of the Atacama Desert (31° to 32° S), the Meaning of Differences in Landscape Use
- 7:00 Susan C. Kuzminsky and Mark Hubbe—Assessing the Population History of the Atacama Desert Using 3D Geometric Morphometric Methods
- 7:15 Sophia Haller Von Hallerstein, Dorothee Drucker, Katerina Harvati and Kurt Rademaker—Diet and Adaptations in a High-Altitude Rockshelter of Southern Peru, Based on Stable Carbon and Nitrogen Isotopes
- 7:30 Lars Fehren-Schmitz and Kelly Harkins—The Impact of Climate Dynamics and Cultural Change on the Demography and Population Structure of Precolumbian Populations in the Atacama
- 7:45 Emily A. Schach and Jane E. Buikstra—Dressing the Child: An Analysis of Camisas at Chiribaya Alta
- 8:00 Simon Poulson, Susan C. Kuzminsky, G. Richard Scott and Tiffany A. Tung—Paleodiet in the Atacama Desert (Arica, Chile) and Andean Highlands (Ayacucho Basin, Peru) Using Stable Isotope Analyses of Dental Calculus
- 8:15 Cosimo Posth, Theseas Lamnidis, Stephan Schiffels, Kurt Rademaker and Johannes Krause—Andean Population Dynamics Revealed by Genome-Wide Data from the High-Elevation Cuncaicha Rock Shelter
- 8:30 Kelly Harkins, Laura Weyrich and Lars Fehren-Schmitz—Challenges of Using NGS to Detect *T. cruzi* in Human Remains from Precolumbian South America
- 8:45 Daniel H. Sandweiss—Early Fishing on the Atacama Desert Coast of Southern Peru
- 9:00 Laura Weyrich, Keith Dobney and Alan Cooper—Alterations in South American Oral Health through the Colonial Period: The Story of Ancient DNA Trapped within Dental Calculus
- 9:15 Karl Reinhard, Luz Ramirez de Bryson, Nicole Searcey, Isabel Teixeira-Santos and Calogero M. Santoro—Human Coprolite Diet Reconstruction Confirms Wetland Resource Use in the Coast of the Atacama Desert, 6580 cal BP
- 9:30 Kirsten Bos, Ashild J. Vågene, Jane E. Buikstra, Anne C. Stone and Johannes Krause—Tuberculosis in Past Peruvian Populations
- 9:45 Calogero M. Santoro, José M. Capriles, Claudio Latorre, Eugenia M. Gayo and Ricardo De Pol Holz—Unearthing the Deep Roots of the Long-Term Human History and Environmental Interaction in the Atacama Desert

**[144] SYMPOSIUM ■ ARCTIC AND SUBARCTIC COASTS: CURRENT RESEARCH AND MODERN CHALLENGES**

**Room:** East Meeting Room 8 (VCC)

**Time:** 6:00 PM–10:00 PM

**Chairs:** Anne Jensen and Christopher Wolff

**Participants:**

- 6:00 Hollis Miller, Erin Gamble, Darryl Holman and Ben Fitzhugh—Statistically Limiting the Error Associated with Old Wood in Archaeological Dating: A Case Study from the Kuril Islands
- 6:15 Ben Fitzhugh, Hiroko Ono, Tetsuya Amano, John Krigbaum and George Kamenov—Migration and Isolation in the Okhotsk Tradition of Hokkaido and the Kuril Islands
- 6:30 Catherine F. West—Birds of a Feather? Bird Conservation and Archaeology in the Gulf of Alaska
- 6:45 Melyssa Huston, Christine Mikeska and Catherine F. West—Food or Fur: Dog Butchery on Kodiak Island, Alaska

- 7:00 Jason Miszaniec—A Millennium of Fishing: A Cross-Cultural Comparison of Faunal Remains from the Shaktolik Airport Site (NOB-072), Norton Sound, Alaska
- 7:15 Charlotta Hillerdal, Kate Britton, Warren Jones and Rick Knecht—Nunalleq: Archaeologies of Climate Change and Community in Coastal Western Alaska
- 7:30 Claire Alix, Owen Mason and Lauren Norman—“Untangling the timbers”: New Perspectives on Birnirk Architecture in Northwestern Alaska
- 7:45 Lauren Norman, Claire Alix and Owen Mason—From Caribou to Seal: The Implications of Changes in Subsistence Focus from Birnirk to Thule at Cape Espenberg
- 8:00 Kerry Sayle, Anthony Krus, Anne Jensen and Derek Hamilton—Rethinking Chronology in Barrow, Alaska: Assessing  $\Delta R$  Variation and Applying Bayesian Chronological Models
- 8:15 Lesley Howse—Late Dorset and Thule Inuit Hunting Technologies and Archaeofaunas: Implications for Societal Differences
- 8:30 Christopher Wolff and Donald H. Holly Jr.—Subarctic Coastal Pioneers: Evidence and Implications of a New Maritime Archaic Site in Eastern Newfoundland
- 8:45 Alison J T Harris, Ana T. Duggan, Stephanie Marciniak, Hendrik Poinar and Vaughan Grimes—Maritime Archaic Subsistence in Newfoundland, Canada: Insights from  $\delta^{13}C$  and  $\delta^{15}N$  of Bulk Bone Collagen and Amino Acids
- 9:00 Matthew Walls, Pauline Knudsen and Frederik Larsen—Revisiting the Morris Bay Kayak: Analysis and Implications for Inughuit Hunting Practices before the Nineteenth Century
- 9:15 John Darwent, Genevieve LeMoine, Hans Lange and Christyann M. Darwent—lita before the Fall: Mitigation of a Unique Stratified Site in the High Arctic of Greenland
- 9:30 Questions and Answers
- 9:45 William Fitzhugh—Discussant