## Program

### Wednesday Evening ■ April 15, 2015

**[1] OPENING SESSION**
**PRESIDENT'S FORUM: ORDERLY ANARCHY IN PREHISTORIC CALIFORNIA**
*(Sponsored by Society for California Archaeology)*
**Room:** Imperial AB
**Time:** 6:30 PM - 8:30 PM
**Chair:** Terry Jones

**Participants:**

Robert Bettinger—Aboriginal Sociopolitical Groups in California and the Great Basin: The Rise of Orderly Anarchy
Terry Jones—Discussant
Stephen Lekson—Discussant
Brian Codding—Discussant
Kenneth Ames—Discussant
Lynn Gamble—Discussant
David Thomas—Discussant
Timothy Pauketat—Discussant
Christopher Morgan—Discussant
William Hildebrandt—Discussant
Kathleen Hull—Discussant
Peter Richerson—Discussant

### Thursday Morning ■ April 16, 2015

**[2] GENERAL SESSION ■ SITES, SETTLEMENTS, AND SPATIAL ANALYSIS IN SOUTH AMERICA**
**Room:** Golden Gate 6
**Time:** 8:00 AM - 9:15 AM
**Chair:** César Méndez

**Participants:**

8:00 Diego Salazar, Carola Flores, Laura Olguin, Cesar Borie and Valentina Figueroa—Environment, History and Resilience of Archaic Coastal Hunter-Gatherer-Fishers from the Atacama Desert, northern Chile
8:15 Kayeleigh Sharp and Melissa Litschi—Integrated Archaeometric and Spatial Analysis: A Preliminary Report on Spatial Data Mining in the Pre-Hispanic Central Andes of Peru
8:30 Lars Fehren-Schmitz—Lauricocha v2.0: Ancient Highlanders

Grant New Insights into the Pre-Columbian Population History of South America

8:45 César Méndez, Omar Reyes, Amalia Nuevo Delaunay, Héctor Velásquez and Valentina Trejo—Alero las Quemas, a Key Site for the Study of Human Occupations of Andean Forest in Patagonia (Aisén, Chile)

9:00 Michelle Young—An Early Horizon Temple in the Tierra del Mercurio: Preliminary Results from Atalla, Huancavelica, Peru

**[3] GENERAL SESSION ■ ARCHAEOLOGICAL APPLICATIONS OF X-RAY FLORESCENCE**

**Room:** Union Square 2
**Time:** 8:00 AM - 9:30 AM
**Chair:** Jayne-Leigh Thomas

**Participants:**

8:00 Detlef Wilke—Using Spiked, Fired Clay Samples for Developing Robust Quantification Algorithms for pXRF of Pottery

8:15 Sam Carrier, Hillary Conley and Susan Kane—Portable X-Ray Florescence Studies of Black-Gloss Pottery from Monte Pallano (Italy)

8:30 Shawn Lambert
Patrick Livingood—Locally-Made or Transported Heirlooms?: XRF Source Analysis of Post-Removal Choctaw Ceramics from Southeastern Okahoma

8:45 Clare Bedford, David Robinson, Fraser Sturt and Julienne Bernard—A Matter of Time—Applications of Portable X-Ray Fluorescence in Establishing Rock Art Chronologies

9:00 Neil Hauser, Jenny Milligan, Lynley Wallis, Alan Watchman and Wayne Wilson—Evaluating NAA, pXRF, and LIBS from the Perspective of Ochre from Gledswood Shelter 1, Queensland, Australia

9:15 Jayne-Leigh Thomas, Meghan Buchanan, April Sievert, Heather Alvey and Lee Drake—Mistaken identity?: A Reassessment of the Angel Mounds Historic Cemetery Site Using Anthroposcopic and XRF Analyses

**[4] GENERAL SESSION ■ ADVANCES IN ARCHAEOLOGY TECHNOLOGY**

**Room:** Golden Gate 4
**Time:** 8:00 AM - 9:45 AM
**Chair:** Rory Becker

**Participants:**

8:00 Rory Becker and Jacob Jensen—Shedding New Light on the Past: The Potential for Short Wave Ultraviolet Photography in Archaeology
8:15 Mary Malainey, Timothy Figol and James Skibo—Addressing the Challenges of Developing a Standardized System for the Morphological and Functional Analysis of Archaeological Pottery
8:30 Brett Houk, Mark Willis, Kelsey Herndon and Chester Walker—The Structure A-15 Maneuver: A Novel Application of Structure from Motion Mapping at Chan Chich, Belize
8:45 Jon Carroll—Computational Simulation Methods for Exploring Small Artifact Assemblages
9:00 Melanie Damour, Robert Church and Daniel Warren—Using 3D Laser and 3D Sonar as Tools for Mapping, Analyzing Site Formation Processes, and Long Term Monitoring of Shipwrecks
9:15 Christopher Gillam—Not Your Ordinary Models: Exploring Time and Space with Ordinal Regression and Other Methods
9:30 J. Scott Cardinal and Jennifer Loughmiller-Cardinal—Negative Results, Positive Contributions: Selection Biases and the Necessities of Looking to the Spaces between…

**[5] FORUM ■ DIVERSE DIGITAL ARCHAEOLOGIES - A CAA-NA & DDIG EVENT**
*(Sponsored by DDIG and CAA-NA)*
**Room:** Union Square 25
**Time:** 8:00 AM - 10:00 AM
**Moderators:** Rachel Opitz and Joshua Wells

**Participants:**
Michael Ashley—Discussant
Lisa Fischer—Discussant
Douglas Gann—Discussant
Timothy Goddard—Discussant
Shawn Graham—Discussant
Sarah Kansa—Discussant
Francis McManamon—Discussant
Katy Meyers Emery—Discussant
Eric Poehler—Discussant
Maria Raviele—Discussant
Heather Richards-Rissetto—Discussant
Ash Scheder Black—Discussant

**[6] POSTER SESSION ■ GEOARCHAEOLOGICAL AND SOURCING STUDIES IN THE AMERICAN WEST**
**Room:** Grand Ballroom A
**Time:** 8:00 AM - 10:00 AM

**Participants:**

6-a Joe Collins, Richard Langford and Thomas Gill—Application of End-Member Mixing Analysis (EMMA) of Grain-Size Distributions to Characterize Site Formation Processes of Rimrock Draw Rockshelter (35HA3855), Harney Basin, Eastern Oregon

6-b Christopher Noll—Using the Lithic Technological Organization at Procurement Sites to Parse the Multiple Occurrences of Browns Bench Obsidian in Southern Idaho

6-c Tom Flanigan—Decisions in the Desert

6-d Jeffrey Ferguson and James Allison—Obsidian Provenance Studies of Sites in Northern Utah

6-e Timothy Canaday, Bryan Hanks and John Rose—Preliminary Results of Geophysical Surveys Along the Middle Fork Salmon River, Idaho

6-f Cliff Creger and Beth P. Smith—Spatial and Small-Scale Geoarchaeological Analysis of a Middle Archaic Antelope Trap in Northeastern Nevada, U.S.A.

6-g Andrea Maniery—The Alluvial Geochronology of Pharo Village and Implications for Cycles of Site Occupation and Abandonment

6-h Hillary Jones, Judson Finley, Tammy Rittenour and Kenneth Cannon—Depositional Circumstances of Three Paleoindian Sites Along Lima Reservoir, Montana

6-i Shilo Bender, Lauren Trimble, Todd VanPool and Christine VanPool—Provenance Analysis of Obsidian Artifacts from 76 Draw, New Mexico

**[7] POSTER SESSION ■ GIS MODELING AND GEOSPATIAL ANALYSIS: STUDY OF LANDSCAPES AND SETTLEMENT PATTERNS**
**Room:** Grand Ballroom A
**Time:** 8:00 AM - 10:00 AM

**Participants:**

7-a Bianca Gentil—Measuring Power and Influence: GIS Modeling of Political Spheres of Influence

7-b Kendall McGill—Geospatial Analysis of Cedar Mesa Settlement Patterns

7-c Katelyn DiBenedetto and Levi Keach—Playing with Fire at ‘Ais Giorkis: A Geospatial Analysis of Prehistoric Fire Residue

7-d Levi Keach—Geospatial Analysis of Areal (Polygonal) Units:

Applications at the Site Level in Neolithic Cyprus

7-e Rachel Cohen—Sites and Sight Lines: An Investigation of Intervisibility among Hilltop Sites in Azerbaijan

7-f Paulina Przystupa—Idyllic Childhood or Practical Placement: Examining Children's Homes Using GIS, Remote Sensing, and Landscape Archaeology

7-g Bobbi Hornbeck, Caroline Funk, Brian Hoffman , Debra Corbett and Nancy Bigelow—Shaping Identities through Physical and Cognitive Landscape Modifications in the Rat Islands, AK

7-h Cassidy Phillips, Jamie Clark, Lyn Wadley and Silje Bentsen—Exploring Fire Use at Sibudu Cave Using the Kernel Density Tool in ArcGIS

7-i Carla Klehm, Eileen Ernenwein, Katie Simon, Jeremy Menzer and Mica Jones—Bosutswe Landscapes: Defining African Complexity through Spatial Archaeometry

7-j Braden Dison—Exploring Land Usage at Tannehill State Park: Giving Artifacts a Context through Watershed Mapping

7-k Alyssa Haggard and Casey Hegel—A Geospatial Analysis of Landscape Modification in Relation to Burials and Social Control

7-l James Elder and Shane Sparks—Exploring the Relationship between Coastal Geomorphic Processes and Archaeological Site Distributions in Central Puget Sound of Washington State

7-m Stephen Reichardt—Development and Integration of Cultural Resource Data in a Geographic Information System from Nuvakwewtaqa, Chavez Pass, Arizona: A Model for Spatial Data Management

**[8] POSTER SESSION ■ REMOTE SENSING AND GEOPHYSICAL SURVEY**
**Room:** Grand Ballroom A
**Time:** 8:00 AM - 10:00 AM

**Participants:**

8-a Eileen Ernenwein, Katie Simon and Christopher Tuttle—Ground-Penetrating Radar at edh-Deir, Petra, Jordan

8-b Brandon Zinsious and Jonathan Haws—Unmanned Aerial Vehicles in Archaeological Survey: Results from Portugal and Mozambique

8-c Timothy De Smet, Tanya M. Peres and Jesse W. Tune—Near-Surface Geophysical Investigations at the Multicomponent Magnolia Valley Site (40RD314) in Rutherford County, Tennessee

8-d Mary Scales—Learning from Disturbance: A Late Woodland-Early Mississippian Site in the Georgia Piedmont

8-e Jesse Nowak, Daniel Bigman, Daniel Seinfeld and Grant Stauffer—A Deeper Look at Lake Jackson: New Insights into Settlement Patterns and Ritual Space at a Florida Mississippian Center

8-f Thomas Urban, Ian Buvit, Steven Hackenberger, Robert Jacob and Jeffrey Rasic—Geophysical Investigation of the Slaven's Roadhouse Site, Yukon-Charley National Preserve, Alaska

8-g Vincas Steponaitis, Megan Kassabaum and John O'Hear—The Uses of Platform-Mound Summits at a Coles Creek Site in Southwest Mississippi

8-h Jeremy Menzer, Eileen Ernenwein and Jay Franklin—Combining Geophysics, Photogrammetry, and Archaeological Testing at the Mississippian Pile Mound Site, Upper Cumberland Plateau, Tennessee

8-i Katie Simon, Adam Wiewel, Eileen Ernenwein, Kristin Safi and Carla Klehm —TheNear and Far: How Aerial Thermography can Elucidate Findings in Ground-Based Geophysical Datasets

8-j Erin Carr—Prospects for Detection of Ephemeral Historic Sod Structures Using Geophysical Techniques

8-k Andrew Owens—Kite Aerial Photography and Archaeology: Grandfather of the Drone, Ancient yet Applicable

8-l Alper Basiran and Cevdet Merih Erek—Direkli Cave: Aerial Photography of An Epipaleolithic Site

8-m Paul Buck and Donald Sabol—Sub-Pixel Detection of Obsidian at Glass Mountain Site Using NASA Satellite and Aircraft Data

**[9] POSTER SESSION ■ XRF IN ARCHAEOLOGY**
**Room:** Grand Ballroom A
**Time:** 8:00 AM - 10:00 AM

**Participants:**

9-a Mark Durante—A Geomorphic and Elemental Analysis of the Johnston Site (36IN002)

9-b Alice Hunt, David Hurst Thomas and Robert Speakman—Provenance of Archaeological Copper Alloys by pXRF

9-c Alicia Sawyer and Justin Holcomb—Interpretation of Midden Formation Processes at Three Farms in Skagafjörður, Northern Iceland Using Thin Section Micromorphology and pXRF Chemostratigraphy

9-d Aviva Finkelstein—Understanding the Health of the People of Pender Island (B.C.) Through Portable X-Ray Fluorescence of Human Remains

9-e Ursel Wagner, Benilde Costa, Werner Häusler, A. Silva and

Friedrich Wagner—Mössbauer, XRD and XRF Study of Roman Amphorae and Amphora Kilns from the Roman Provinces of Baetica and Lusitania Andclays

9-f Kevin Nolan and Mark Hill—Exploration of Wet and Dry Portable X-Ray Fluorescence for Archaeochemical Prospection: A Pilot Study in Comparative Method

**[10] POSTER SESSION ■ GEOARCHAEOLOGY AND GEOCHEMISTRY**
**Room:** Grand Ballroom A
**Time:** 8:00 AM - 10:00 AM

**Participants:**

10-a Emily Rubinstein, Nathan Goodale, Alissa Nauman, David Bailey and Bruce Wegter—Geochemical Characterization of Anthropogenic Sediments through EA-IRMS from Slocan Narrows Pithouse Village

10-b Charles Hodges and Brandy Rinck—Geoarchaeology of the Bear Creek Paleoindian Site, King County, Washington: The Stratigraphic Framework

10-c Luisa Aebersold—Geoarchaeological Methods for Sediment Samples from Northwestern Belize

10-d Erin Ray—Geochemical Analysis of Construction Materials in the Cave at Las Cuevas, Belize: An Intrasite Analysis

10-e Anastasia Lugo Mendez, Steven R. Simms, Tammy M. Rittenour, Molly Boeka Cannon and Nancy Kay Pierson —The Geoarchaeology of Late Prehistoric Irrigation in Central Utah

**[11] POSTER SESSION ■ GEOPHYSICAL SURVEYS, GIS, AND SETTLEMENT PATTERNS IN PERU AND BOLIVIA**
**Room:** Grand Ballroom A
**Time:** 8:00 AM - 10:00 AM

**Participants:**

11-a Claudio Carini, Jerry Moore, Martha Ramos, Michelle Garcia and Brandon Gay—Integrated Geophysical Surveys at Archaic and Formative Archaeological Sites in Tumbes, Peru

11-b Julia Longo, Cyrus Banikazemi, Brian Billman and Patrick Mullins—Modern Settlement Patterns and Site Preservation in the Middle Moche Valley

11-c Melissa Litschi and Kayeleigh Sharp—pXRF Meets GIS: A Preliminary Investigation of Spatial Variability in Domestic Ceramics at Songoy-Cojal, North Coast, Peru

11-d Karl La Favre—Macro-Scale History of the Lake Titicaca Region,

Peru and Bolivia: A Synthesis and Comparative Analysis of Settlement Patterns

11-e Diana Diaz and Danielle Kurin—Discerning Site Distribution and Settlement Patterns in Andahuaylas (Apurimac), Peru

11-f Elimarie Garcia-Cosme—Spatial Patterns of Raised Fields and Linguistic Diversity in Mojos, Beni, Bolivia

11-g Lynn Kim—A Glance at Camata: GIS Analyses of Camata Valley, Bolivia

11-h Lauren Kohut—Fortified Lookouts and Border Patrol in the Late Intermediate Period Colca Valley, Peru

**[12] POSTER SESSION ■ MATERIAL CULTURE / OBJECT STUDIES**
**Room:** Grand Ballroom A
**Time:** 8:00 AM - 10:00 AM

**Participants:**

12-a Kyle Crebbin, Chelsea Rose and Shana Sandor—The Jim Rock Historic Can Collection Online Database at Southern Oregon University, Ashland

12-b Nichole Keener—Hanna's Town Unbuttoned: An Archaeological Study of Clothing Adornment & Fasteners

12-c Francesca Neri—Modern Material Culture Studies in Modern and Past Populations

12-d Amy Cromartie—Shared Ritual Ideologies: Long Spouted Vessels on the Iranian Plateau in the Third and Second Millennium BCE

12-e James Lyons—Iron Grinding Technology in the Kofun Period: New Evidence and Research Techniques

12-f John Kennedy—Metal Projectile Points of the Interior West: A Synthetic Overview

12-g Ana María Díaz Rocha—Lacquer Arts of Viceregal Latin America: A Study of Transculturation

12-h Brigid Grund—Modeling the Replacement of Atlatl by Bow Weaponry: Technological Learning Curves and Task Differentiation in Prehistory

12-i Mark Donop—Beings from the Third Dimension: Imaging Weeden Island Effigies

12-j Kristina Whitney—Historic Pueblo Canteens: How Were They Made and How Were They Used?

12-k Martina Láznicková-Galetová, Tomáš Zikmund, Marie Šejnohová and Jozef Kaiser—Analysis of the State of Preservation and Determination of Raw Material of Gravettian Mammoth Ivory Personal Ornaments (Dolní Věstonice, Czech Republic) Using

Micro Computed Tomography

**[13] SYMPOSIUM ■ ARCHAEOLOGY AND THE STATE**
**Room:** Continental Parlor 3
**Time:** 8:00 AM - 10:00 AM
**Chair:** Joshua Dent

**Participants:**

8:00 Marina La Salle—The Institution of Archaeology
8:15 Joshua Dent—In(di)visible Fulcra: Perception and Balance in Canadian Archaeological Governance
8:30 Rich Hutchings—Lies, Damn Lies, and CRM—Archaeology as White Power and Neoliberal Statecraft
8:45 Matthew Beaudoin—Who Shot First?: Codified Categories Creating Imaginary Archaeological Pasts
9:00 William Graves and Sarah Herr—Archaeology and Heritage in the United States
9:15 Neal Ferris—Archaeological Heritage as State Nuisance: Object Lessons from Accidental Burial Discoveries
9:30 Jean-Paul Demoule—Discussant
9:45 Ian Lilley—Discussant

**[14] SYMPOSIUM ■ CONNECTING HIGHLANDS AND LOWLANDS – TOWARDS A HOLISTIC APPROACH TO UPLAND AND LOWLAND SYMBIOSIS IN THE PAST, PRESENT AND FOR THE FUTURE**
**Room:** Golden Gate 7
**Time:** 8:00 AM - 10:15 AM
**Chairs:** Claudia Glatz and Aphrodite Sorotou

**Participants:**

8:00 Stamos Abatis—Perpetually on the Move from the Lowlands to the Highlands in Northern Greece
8:15 Claudia Glatz—Thinking through Mountains: A Perspective from the ancient Near East
8:30 Matthew Rutz—Mental Topographies of Ancient Mesopotamia: Textual Perspectives on Learned and Lived Highland-Lowland Interactions
8:45 Aimee Plourde and Elizabeth Arkush—The Role of Highland-Lowland Interaction in Political Development: A View from the Hilltop Fort Site Ayawiri, in the Andean Highlands of Peru
9:00 Emily Hammer—Mobile Pastoralists and Lowland-Highland Interconnectivity in Southeastern Turkey
9:15 Toby Wilkinson—Synchronizing Highland and Lowland

Rhythms of Material Exchange
9:30 Aphrodite Sorotou—Current Approaches to Landscape Characterisation as Tools for the Understanding of Highlands-Lowlands Interactions
9:45 Adam Smith—Discussant
10:00 Questions and Answers

**[15] SYMPOSIUM ■ NEW DIRECTIONS IN HISTORICAL ARCHAEOLOGY: THEORY, METHOD, AND PRACTICE**
**Room:** Franciscan AB
**Time:** 8:00 AM - 10:15 AM
**Chairs:** Katrina Eichner and Erin Rodriguez
**Participants:**
8:00 Georgia Fox— Gazing Upward: New Directions at Betty's Hope Plantation, Antigua, West Indies
8:15 Erin Rodriguez—Microscale Geoarchaeology in a Historic Context: Soil Micromorphology Analysis with the Fort Davis Archaeological Project
8:30 Erin Riggs, Andrew Reagan and Matt Riggs—Innovative Applications of Archaeological Perspectives: An Analysis of Home Front Material Culture within the Context of Individual vs. Municipal Investments in Oakland, CA
8:45 Christopher Lowman—Marking Ainu Objects
9:00 Alexandra McCleary—New Insights at the Intersection of Historical Archaeology and the Archaeology of Religion
9:15 Albert Gonzalez—Archaeologies of Latinos in the United States
9:30 Katrina Eichner—Queering 'American': Archaeological Investigations of a 19th c. Military Fort in West Texas
9:45 Naphtalie Jeanty—Tracing Relationships among Buffalo Soldiers in 19th Century Fort Davis, Texas
10:00 Laurie Wilkie—Discussant

**[16] SYMPOSIUM ■ RELIGION, HISTORY AND PLACE IN THE ORIGINS OF SETTLED LIFE IN THE MIDDLE EAST**
**Room:** Golden Gate 1
**Time:** 8:00 AM - 10:15 AM
**Chair:** Ian Hodder
**Participants:**
8:00 Nigel Goring-Morris and Anna Belfer-Cohen—Long-Term Memory, the Individual and the Community in the Later Prehistory of the Levant

8:15 Lee Clare, Oliver Dietrich, Jens Notroff and Joris Peters—Establishing Identities in the Protoneolithic: History Making at Göbekli Tepe in the Late 10th Millennium calBC
8:30 Marion Benz, Kurt W. Alt and Vecihi Özkaya—Evidences for Social Structure and Ritual Practices from Körtik Tepe at the Beginning of Settled Life
8:45 Miquel Molist— Aspects of Ritual and Domestic Life in First Farming Village (PPNB period) : Contribution to Tell Halula (Euphrates Valley Syria)
9:00 Gunes Duru—Radical Neolithic?
9:15 Douglas Baird and Andrew Fairbairn—The Ordering of Space at Boncuklu, Central Anatolia (8500-7500 cal BC); Household and Community
9:30 Rosemary Joyce—Interrogating "Property" at Neolithic Çatalhöyük
9:45 Nicola Lercari—Virtually Rebuilding Çatalhöyük History Houses
10:00 Christina Tsoraki—Ritual Consumption? Exploring the Staging of Ritual Acts through the Deposition of Ground Stone Tools in Building 77 at Neolithic Çatalhöyük

**[17] SYMPOSIUM ■ INNOVATIVE INTERPRETIVE APPROACHES IN MICROWEAR AND RESIDUE ANALYSES**
**Room:** Golden Gate 5
**Time:** 8:00 AM - 10:15 AM
**Chairs:** Randolph Donahue, Adrian Evans and Danielle Macdonald

**Participants:**
8:00 Aimee Little, Shannon Croft, Charlotte Rowley, Oliver Craig and Nicky Milner—Taken to Task at Star Carr: Integrating Scientific Approaches to Artefacts and their Archaeological Contexts
8:15 Harry Lerner—Scales of Analysis, Scales of Interpretation: Interpretive Scope and Analytical Precision in Lithic Use-Wear Research, or ‘Trees are Great but Don’t Forget About the Forest!’
8:30 Adrian Evans—Representative Samples and Method Calibration for Lithic Microwear Interpretation frameworks
8:45 Danielle Macdonald and Lisa Maher—Exploring Domestic Tasks at Kharaneh IV Using Lithic Microwear Analysis
9:00 Annelou Van Gijn—Investigating the Toolkit for Building a Neolithic House: Microwear and the Missing Majority
9:15 Patricia Anderson—Interpreting Uses of Cereal Threshing Tools

and Straw Storage Structures from Neolithic, Chacolithic and Bronze Age Sites in the near East
9:30 Randolph Donahue and Anders Fischer—Trollesgave: Hunter-Gatherer Social Organisation during the Late Glacial in Northwest Europe
9:45 Questions and Answers
10:00 Douglas Bamforth—Discussant

**[18] SYMPOSIUM ■ IDENTITIES IN THE VIKING WORLDS**
**Room:** Yosemite B
**Time:** 8:00 AM - 10:15 AM
**Chairs:** Catrine Jarman and Christopher Callow
**Participants:**
8:00 Christopher Callow—Diasporas and Identities in the Viking Age
8:15 Charlotte Hedenstierna-Jonson—Identity, Self-Image and Cultural Expression in Viking Age Sweden
8:30 David Griffiths—Long Distances/ Local Dynamics: Overcoming 'Culture History'
8:45 Orri Vesteinsson—Environment and Identity in the Viking Age North Atlantic
9:00 Dawn Hadley—Identities in a Viking Winter Camp
9:15 Catrine Jarman—Female Mobility in the Viking Worlds
9:30 Steven Ashby—Craft and Identity in the Viking World
9:45 Christina Lee—Weaving Identities
10:00 Questions and Answers

**[19] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY**
**Room:** Continental Ballroom Parlor 7
**Time:** 8:00 AM - 10:15 AM
**Chair:** Kimberlee Moran
**Participants:**
8:00 Mike Groen, Nicholas Marquez-Grant and Rob Janaway—Forensic Archaeology: A Global Perspective
8:15 Ryan Seidemann and Christine Halling—The Forensics of Commodification: Examples from Louisiana of the Acquisition, Analysis, and Legal Problems Related to Trophy Skulls Seized from Illegal Sales
8:30 Craig Goralski and Alexis Gray—An Update on the Unidentified Persons Project, San Bernardino, California: The Good, The Very Good, and the Ugly
8:45 Ann Marie Mires and Claire Gold—Forensic Archaeology

Recovery Case Studies, Finding the Unfound
9:00 Sharon Moses—A Missing Person Body Recovery Case: Maintaining Professionalism & Best Practices as a Forensic Archaeologist Amidst Escalated Tensions
9:15 Alexis Gray and Craig Goralski—Forensic Archaeology and Today's Student: Managing Expectations and Providing Rigor While Maintaining Best Practices
9:30 Dana Kollmann—Put 'em to Work! The Transition from the Classroom to the Field
9:45 Kimberlee Moran—Forensic Archaeology: a Ten Year Retrospective
10:00 Questions and Answers

**[20] SYMPOSIUM ■ UNTANGLING THE INTANGIBLE: RECONSTRUCTING IDEOLOGIES, BELIEFS, AND RELIGION IN THE PAST**
**Room:** Golden Gate 8
**Time:** 8:00 AM - 10:15 AM
**Chairs:** Kathryn MacFarland and Erik Johannesson
**Participants:**
8:00 Erik Johannesson—What You See is What You Believe: Mortuary Ideology and Transmutations in Funerary Practice at the Advent of the Xiongnu Empire in Mongolia
8:15 Emily Anderson—In the Trail of Dancing Lions: Iconography and Community on Early Crete
8:30 Susan Kus and Victor Raharijaoana—Some "Muse"ings on Past and Recent Encounters with Lutins, Naiads and Non-Anthropomorphic Forces: Reconsidering Vocabulary and Questions Concerning "Religion" and "Belief" in Face of Ethno-Archaeological Experiences in Madagascar
8:45 Marijke Stoll—The Practice of Play in the Sport of Life and Death: Exploring Regional Variation in Ballgame Material Culture and Ideology
9:00 Jeremy Beach and K. Bryce Lowry—An Archaeological Investigation of Gender on the Late Prehistoric Steppe
9:15 Megan Daniels—The Queen of Heaven in Iron Age Greece: Analyzing Religious Ideology and Symbolism on Multiple Scales
9:30 Kathryn MacFarland—Religious and Ritualized Landscapes of Iron Age Central Eurasia
9:45 Lars Fogelin—Discussant
10:00 Questions and Answers

**[21] SYMPOSIUM ■ ADVANCES IN THE ARCHAEOLOGY OF WEST MEXICO AND THE SURROUNDING AREAS**
**Room:** Continental Parlor 2
**Time:** 8:00 AM - 10:30 AM
**Chairs:** Nora Rodríguez Zariñán and Andrea Torvinen

**Participants:**

8:00 Nora Rodríguez Zariñán—Parallels between Pseudo-Cloisonné and Huichol Votive Gourds: Iconography, Processing, and Disposal

8:15 Andrea Torvinen, Ben Nelson and Stephanie Kulow—Refinement of the La Quemada Chronology and its Implications for Inter-Polity Interaction along the Northern Frontier of Mesoamerica

8:30 Paula Turkon, Sturt Manning, Carol Griggs and Alexandra Jigetts-O'Neill—Dendro-14C-Wiggle-Match Contributions to Northwestern Mesoamerican Chronology

8:45 Juan Ignacio Macias—Dinámicas poblacionales durante el Epiclásico (600 a 900 d.C.) entre la vertiente norte del río Verde-San Pedro y el Occidente de México

9:00 Questions and Answers

9:15 Rodrigo Esparza Lopez, Francisco Rodríguez Mota and Juan Morales—The Archaeological Site of Presa de la Luz: New Insights on the Relationship between the Altos of Jalisco, the Bajio and the Mexico Basin

9:30 Rosa Flores Ramirez and Marco Zavaleta Lucido—CONCHITA Y SUS AMIGOS: “un estudio bioarqueológico de los entierros infantiles recuperados en el Salvamento Arqueológico Mina de Peña en la Ciudad de Villa de Álvarez, Colima, 2014”

9:45 Michelle Elliott—Ritual Fires and Sacred Hearths: the Management of Wood Resources in Postclassic Tarascan Society of the Zacapu Basin, Michoacán

10:00 Kyle Urquhart, Christopher Fisher and Stephen Leisz—Ireta and Vapatzequa – Applications of the Alteptl Model to the pre-Hispanic P'urépecha

10:15 Rodrigo Solinis-Casparius, Anna S. Cohen, Florencia Pezzutti and Christopher T. Fisher—Working with the Ejido: Negotiating Archaeology and Local Politics in Michoacán, Mexico

**[22] SYMPOSIUM ■ HOUSEHOLD RITUALS IN THE ANCIENT AMERICAS – FROM PATIO GROUPS TO PUEBLOS**
**Room:** Continental Ballroom Parlor 8
**Time:** 8:00 AM - 11:00 AM

**Chairs:** Samantha Fladd and Jessica MacLellan

**Participants:**

8:00 Michael Callaghan and Brigitte Kovacevich—Investigating the Development of Social Inequality through Preclassic-Period Maya Household Ritual

8:15 Susan Ryan—Rooting the Kiva: The Placement of Coal in Ancestral Pueblo Construction Rituals

8:30 Jessica MacLellan—Preclassic Maya Households and Ritual at the Karinel Group, Ceibal, Guatemala

8:45 Ashley Sharpe—Critter Caching: Animals in Household Rituals at the Maya Site of Ceibal, Guatemala

9:00 Katelyn Bishop and Samantha Fladd—The Distribution of Articulated Animal Remains: An Analysis of Household and Community Ritual in Chaco Canyon

9:15 Emily Ditto—House Ritual in Chaco Canyon: Scale, Context, Emergent Differentiation and Inequality

9:30 Alyce De Carteret—A Good, Old-Fashioned Patio-Group Raising: Domestic Architecture as Ritual among the Classic-Period Maya

9:45 Sarah Newman—Ritual in the "Great Household": Termination Deposits in Classic Maya Royal Residences

10:00 Abigail Holeman—Levels of Hierarchy in Northern Mexico: The Color of Ritual at Paquimé, Chihuahua, Mexico

10:15 Matthew Piscitelli—Issues of Function and Scale as Viewed through Possible Ritual Structures at the Late Archaic Site of Huaricanga, Peru

10:30 Andrew Duff—Discussant

10:45 Lisa LeCount—Discussant

**[23] SYMPOSIUM ■ INTERROGATING IDENTITY: THE FLUIDITY OF SOCIAL BOUNDARIES IN AFRICAN ARCHAEOLOGY**

*(Sponsored by Society of Africanist Archaeologists)*

**Room:** Union Square 1

**Time:** 8:00 AM - 11:00 AM

**Chair:** Abigail Stone

**Participants:**

8:00 Abigail Stone—Economies and Identities in Flux: Consequences of the Arrival of Specialized Fulani Pastoralists in Mali's Inland Niger Delta

8:15 Stephen Dueppen—Opening the House: Transforming Identities at Kirikongo over the 1st and 2nd milleniums CE (Burkina Faso, West Africa)

8:30 Louise Iles—Iron Producers, Iron Users
8:45 Stefano Biagetti—Resilience and Identity: The Ethnoarchaeology of the Kel Tadrart Tuareg (SW Libya)
9:00 Thomas Huffman—Salvage Excavations on Greefswald: Leokwe Commoners and K2 Cattle
9:15 Cameron Gokee—Beyond the Grave: Regional Interaction in the Senegambian Megalith Zone
9:30 Dil Basanti—In Death Do We Join: Community Building in Ancient Ethiopian Funerary Practices
9:45 Daphne Gallagher—Material Complexities in Dispersed Communities: Archaeology of 2nd Millennium CE Southeastern Burkina Faso (West Africa)
10:00 Steven Goldstein—Bringing the Mountain to the Mara: The Role of Obsidian Quarrying on Mt. Eburru in Structuring Early Pastoralist Socio-Economic Identities in Southern Kenya
10:15 Scott MacEachern—Boko Haram, Coupeurs de Route and Slave-Raiding: Identities and Violence in a Central African Borderland
10:30 Ann Stahl—What's in a Label? Archaeological Taxonomies and Social Processes Past and Present
10:45 Questions and Answers

**[24] SYMPOSIUM ■ ELLOS FUERON LO QUE HICIERON: ACTIVIDADES DE LA ELITE Y GRUPOS NO ELITARIOS EN LAS TIERRAS BAJAS MAYAS**
**Room:** Golden Gate 3
**Time:** 8:00 AM - 11:30 AM
**Chairs:** Nancy Peniche May and Lilia Fernandez Souza
**Participants:**
8:00 Nancy Peniche May and Jaime Awe—Haciendo público lo privado: La arquitectura de las élites de Cahal Pech durante el Preclásico Medio
8:15 Catharina Santasilia and Jaime Awe—Placing Cahal Pech on the Map: Implications of Burial Goods Recovered in the Site's Eastern Triadic Shrine
8:30 Whitney Lytle—Same Space Different Face: Recent Investigations at Xunantunich, Group D
8:45 Barry Kidder, Daniel Vallejo-Cáliz, Shannon Plank, Jacob Welch and Scott Hutson —Great Expectations: Negotiating Community at Ucanha, Yucatán, Mexico
9:00 Lilia Fernandez Souza, Socorro Jimenez Alvarez, Daniel Herklotz Balam, María Jesús Novelo Perez and Carlos Matos Llanes—Explorando la diversidad socioeconómica en grupos

domésticos mayas del período Clásico. El caso de Sihó, Yucatán
9:15 Beniamino Volta—Household Activities, Status, and Social Organization at Uxul, Campeche, Mexico
9:30 Misha Miller-Sisson—Commoner-Elite Interactions: Evidence Subroyal Elite Housemound Excavations at Uxul, Campeche, Mexico
9:45 Miriam Gallegos Gomora and Ricardo Armijo—Hilar y tejer en el Palacio y la periferia. Coincidencias y particularidades de dos espacios domésticos del Clásico Tardío en Comalcalco, Tabasco
10:00 Kimberly Salyers—Resource Procurement at the Local Level in Classic Maya Chinikihá (AD 600–900)
10:15 Sheldon Skaggs, Duncan Balinger and Terry Powis—Defining a Late Classic Maya Granite Workshop at the Tzib Group, Pacbitun, Belize
10:30 Carlos Matos Llanes, Héctor Hernández Álvarez, Mario Zimmermann, Lilia Fernández Souza and Anaïs Dervanian—Lo ritual y lo doméstico: estudios químicos de suelos y paleoetnobotánicos en distintas esferas de actividad en la hacienda San Pedro Cholul, Yucatán
10:45 Ma Alejandra Espinosa—Las primeras sociedades agrícolas sedentarias en el Valle de Oaxaca: producciones líticas y surgimiento de nuevas necesidades
11:00 Marisa Vázquez De Ágredos Pascual—Discussant
11:15 Traci Ardren—Discussant

**[25] SYMPOSIUM ■ ADVANCES IN THE METHOD AND APPLICATION OF CERAMIC PETROGRAPHY: INTERNATIONAL PERSPECTIVES ON KEY ARCHAEOLOGICAL QUESTIONS, PART I**
*(Sponsored by Geoarchaeology Interest Group (GIG))*
**Room:** Plaza B
**Time:** 8:00 AM - 11:30 AM
**Chair:** Peter Day

**Participants:**
8:00 Jennifer Meanwell—Function-Based Processing Decisions in the Middle Balsas Region of Guerrero, Mexico
8:15 Jill Hilditch—Fabrics of Space and Time: Multiscalar Analytical Approaches to Social Process in the Middle Bronze Age Aegean
8:30 Vassilis Kilikoglou and Anno Hein—Petrography and Chemistry Live Together in Perfect Harmony

8:45 Suzanne Eckert and Tiffany Clark—Integrating Petrographic and INAA Compositional Data: Chupadero Black-on-White Ceramic Production and Distribution in the Salinas and Sierra Blanca regions of New Mexico
9:00 Lane Fargher, Marc N. Levine and Flor Arcega-Cabrera—Using Natural Breaks to Work Together: Compositional Analysis of Archaeological Ceramics Using Petrography and NAA
9:15 Wesley Stoner—The Analytical Nexus: Multi-Technique Approaches to Ceramic Composition
9:30 Questions and Answers
9:45 Marta Tenconi, Peter Day, Elina Kardamaki, Joseph Maran and Alkestis Papadimitriou—Transport Jars at the Mycenaean Citadel of Tiryns, Greece: New Evidence from Petrographic Analysis of Trade in the Late Bronze Age Eastern Mediterranean
10:00 Ioannis Iliopoulos and Albert J. Ammerman—A Characterization Study of Some of the Earliest Ceramic Building Materials from Sites in Rome and its Surrounding Area
10:15 John Millhauser—The Social Dimensions of Complex Industries: Insights from a Thin Section Microscopy Study of Aztec Salt-Making Pottery
10:30 Ian Whitbread, Jeremy Taylor, Mark Williams, Ian Wilkinson and Ian Boomer—Microfossils and Micro-XRF: Sourcing Raw Materials for Iron Age to Romano-British Pottery Production at Burrough Hill Hillfort, UK
10:45 Jason Sherman and Leah Minc—Assessing Ceramic Production and Exchange in the Early Monte Albán State (Oaxaca, Mexico)
11:00 John Moody, Linda Howie and Lisa Hodgetts—Expanding the (Micro)Scope: Exploring the Technological and Provenance Characteristics of Inuit Pottery Containing Atypical, Animal-Deriving Organic Paste Ingredients
11:15 Linda Howie—New Faces, New Pressures, New Pots: Collective Identities in Action in the Ceramic Record at Lamanai, Belize

**[26] SYMPOSIUM ■ STAYING OUT OF SMALL, SQUARE HOLES: THE CONTRIBUTIONS OF STEPHEN KOWALEWSKI TO THE UNDERSTANDING OF HUMAN SOCIETIES AT REGIONAL AND GLOBAL SCALES**
**Room:** Imperial Ballroom B
**Time:** 8:00 AM - 11:30 AM

**Chair:** Veronica Perez Rodriguez

**Participants:**

8:00 Veronica Perez Rodriguez, Thomas Pluckhahn and Verenice Heredia Espinoza—Stephen Kowalewski, su vida y obra: A Life of Regional Survey and Looking at the Big Picture

8:15 Thomas Pluckhahn and Victor Thompson—Early Village Societies in the American South and Beyond

8:30 Benjamin Steere—The View from One Thousand Houses: A Macro-Regional Approach to Household Archaeology in the Southeastern United States

8:45 Jennifer Birch—Making Communities Work: Organizational Diversity in the Eastern Woodlands of North America

9:00 David Wilcox—Cumulative Survey: Defining Coalescent Communities in the American Southwest

9:15 John Chamblee—Long-Term Data versus Contemporary Crisis: Anthropological Archaeology in the U.S. / Mexico Borderlands

9:30 Yanxi Wang—The Landscape and Regional Integration of the Guan River Valley in the Eastern Zhou Period (770–221 B.C)

9:45 Questions and Answers

10:00 Luis Barba—Archeological Prospection in Coixtlahuaca, Oaxaca

10:15 Verenice Heredia Espinoza—I Don´t Do Mountains: Regional Survey in the Tequila Valleys of Jalisco

10:30 Antonio Martínez Tuñón, Veronica Perez Rodriguez and Laura Stiver-Walsh—Cerro Jazmin and its Changing Regional Context: Building Upon Regional Survey Data

10:45 Nelly Robles Garcia—Athens-Oaxaca y puntos intermedios: Steve Kowalewski´s Influence in Local Archaeologists

11:00 Dmitry Belyaev—Discussant

11:15 Richard Blanton—Discussant

**[27] SYMPOSIUM ■ CRISIS AND OPPORTUNITY: LEGACY COLLECTIONS AND ARCHAEOLOGICAL RESEARCH IN THE 21ST CENTURY**

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

**Room:** Continental Ballroom Parlor 9

**Time:** 8:00 AM - 11:45 AM

**Chair:** Ann Stansell

**Participants:**

8:00 Ann Stansell—Excavating the Collections: Redefining Archaeological Practice in the 21st Century through Utilizing Existing Assemblages

8:15 Elanor Sonderman—Addressing the Curation Crisis through

Research in University Legacy Collections
8:30 Heather McDaniel—Ethical Consumption and Archaeological Ethics: A Case Study in the Responsible Treatment of Cultural Collections and the Resulting Lessons Learned
8:45 Stephanie Lapeyre-Montrose—Forget Me Nots: Smaller Collections Need Archaeologists Too
9:00 Elisabeth Rareshide—Legacy Collections in Public Education
9:15 Hugh Radde—Understanding Island Tongva Villages: Results from the Catalina Island Museum's Toyon Collection
9:30 Monica Corpuz—Unearthing the Mysteries of the Frank Palmer Archaeology Collections
9:45 Mario Borrero—Forgotten Finds: Updating Existing Collections for Modern Research
10:00 Carol Plannette—It Takes a Village to Curate Burro Flats
10:15 Margarita Villarreal, Lindsay Jacoby and Karimah Richardson—An Exploration into a New Method of Skeletal Inventory in a Curatorial Setting
10:30 Austin Ringelstein—Turning "Crisis" into Opportunity: Rediscovering and Reconnecting with a Colonial Era California Collection
10:45 John Foster—Examination of an Archaeological Legacy Collection from San Fernando Mission, California
11:00 Barbara Tejada—A "Lost" Collection Makes Its Way Home: The Long Road of the Lost Village of Encino
11:15 Stephen Nash—Discussant
11:30 James Snead—Discussant

**[28] SYMPOSIUM ■ NOSE TO TAIL: AN INTERDISCIPLINARY LOOK AT DOGS IN THE PAST**
**Room:** Union Square 14
**Time:** 8:00 AM - 11:45 AM
**Chairs:** Angela Perri and Chelsea Smith

**Participants:**
8:00 Mietje Germonpré, Sergey Fedorov, Mikhail V. Sablin, Martina Láznicková-Galetová and Robert J. Losey—Palaeolithic Dogs in Europe and Siberia
8:15 Pat Shipman—The Paleolithic Domestic Dog Hypothesis
8:30 Sarah Brown, Christyann Darwent and Ben Sacks—Next-Generation Sequencing Unravels the Relationship of Paleoeskimo and Thule Dogs from the North American Arctic
8:45 Chelsea Smith—Investigating Genetic Structure and Dietary Ecology through Ancient DNA and Stable Isotopic Analysis of

Prehistoric Dogs from San Nicolas Island, California
9:00 Greger Larson, Keith Dobney, Anna Linderholm, Allowen Evin and Thomas Cucchi—Paleo-Population Genomics as a Means to Understand the History of Dog Domestication
9:15 Clive Wynne—Insights into Dog Domestication from Psychological Studies on Dog and Wolf Behavior
9:30 Anna Kukekova, Jennifer Johnson, Anastasiya Kharlamova, Rimma Gulevich and Lyudmila Trut—Genetics of Behavior in Fox Model of Animal Domestication
9:45 Questions and Answers
10:00 Luis Pacheco-Cobos and Bruce Winterhalder—Economic Benefits of Hunting Dogs in the Context of Tropical Horticulture
10:15 Angela Perri—Dogs as Weapon Technology: Their Role in Prehistoric Hunting Groups
10:30 Chris Widga and Dennis Lawler—The Earliest Domesticated Dogs in the Midcontinent: Chronology, Morphology, and Paleopathology
10:45 Robert Losey—Living with People can be Bad for your Health: Tooth Loss and Trauma in Northern Wolves and Dogs
11:00 Erica Hill—Thinking through Dogs in the Arctic
11:15 Pam Crabtree—Beyond Bones: Non-Faunal Evidence for the Role of Dogs in Anglo-Saxon Society
11:30 Melanie Fillios—Do Dingoes Hold the Key to Understanding Human Behavioural Change in Ancient Australia?

**[29] SYMPOSIUM ■ ARCHEOLOGICAL STEWARDSHIP AND SCIENCE IN THE NATIONAL PARK SERVICE**
**Room:** Continental Parlor 1
**Time:** 8:00 AM - 11:45 AM
**Chair:** Anne Vawser

**Participants:**
8:00 James Kendrick—Recent Archaeological Studies in National Parks of the Northeast Region
8:15 Elizabeth Rupp—The Promise and Pitfalls of Geophysical Survey at Valley Forge NHP
8:30 Stephen Potter and John Bedell—Searching for King Opessa's Shawnee Town in the Mountains of Maryland
8:45 David Morgan, Dave Conlin and Charles Lawson—The Intersection at Biscayne National Park of Looting as a Traditional Form of Recreation, Submerged Cultural Resources, and Management Practice
9:00 Timothy Schilling—Challenges and Opportunities of Archeology

in Urban Parks: an example from the Arch
9:15 Erin Dempsey—Losing Ground but Gaining Data: Erosion and Archeology in Badlands Parks
9:30 Anne Vawser, Tim Schilling, Ashley Barnett, Allison Young and Michael Schumacher—Where the Buffalo Still Roam: Archeology of a Buffalo Jump and Prehistoric Village Site at Wind Cave National Park
9:45 Questions and Answers
10:00 Jay Sturdevant, Brenda Todd, Wendy Ross and Craig Hansen—Preservation Practice at Knife River Indian Villages National Historic Site: Using New Planning Frameworks to Identify and Address Impacts to an Archeological Landscape
10:15 Staffan Peterson and Daniel Eakin—Archaeology of the Nez Perce War of 1877 in Yellowstone National Park, WY.
10:30 Richard Greene and Steve Baumann—The Distinctive Archaeological Landscape of the El Malpais National Monument Lava Flows
10:45 Matthew Guebard—Developing New Interpretations from Old Data at Montezuma Castle National Monument, Arizona
11:00 Wanda Raschkow—Mystery in Grapevine Canyon: Gender and Ethnicity in a Historic Period Site
11:15 Jennifer Pederson Weinberger—Overview of Archaeological Research in the NPS Alaska Region
11:30 Robert Bryson—Discussant

**[30] SYMPOSIUM ■ THE INTERSECTION OF SACREDNESS AND ARCHAEOLOGY**
**Room:** Yosemite A
**Time:** 8:00 AM - 11:45 AM
**Chairs:** Donna Gillette and Thomas Sanders

**Participants:**
8:00 Donna Gillette—The Sacred and the sacred
8:15 Patricia Emerson—Defining Sacred
8:30 Howard Vogel—The Clash of Stories at Sacred Sites: Reframing the Task of Protecting Indigenous Sites
8:45 Christopher (Toby) McLeod—Standing on Sacred Ground
9:00 John Soderberg—The intersection of the sacred and the everyday in medieval Ireland
9:15 Gabriel Cooney—Encountering the Sacred in the Everyday; from Prehistory to the Present
9:30 Robert David—The Landscape of Klamath Basin Rock Art
9:45 Thomas Sanders—The Hindquarters of God, Seeing the

Sacred in a Landscape
10:00 Brian Hoffman, Chelsea Starke, Forest Seaberg-Wood, Kevin Reider and Liesl Weber Darnell—Inyan: Towards Understanding Sioux Quartzite and a Sacred Landscape
10:15 Jewel Gentry—Marking the Sacred: Reading between the Abraded Lines of Mission San Miguel the Arcángel
10:30 Breck Parkman—Sacrifice, Litter, and Loss: The Archaeology of the Recent Past atop a Sacred Island in the Sky
10:45 Teresa Saltzman—Issues Involved in the Recording and Protection of a Previously Unknown Rock Art Site in Northern California
11:00 James Jones—Indigenous Cultural Resource Ceremonies
11:15 Cory Wilkins—Archaeological Preservation
11:30 Larry Zimmerman—Discussant

**[31] SYMPOSIUM ■ FROM FORAGERS TO EMPIRES: RECENT RESEARCH ON THE SOUTH COAST OF PERU**
**Room:** Plaza A
**Time:** 8:00 AM - 12:00 PM
**Chair:** Kevin Vaughn

**Participants:**
8:00 Kevin Lane, David Beresford-Jones, Alexander Pullen, Charles French and Susana Arce—Investigations At the Mouth Of the Rio Ica, Peru: A Preceramic Record Of Rich Seas, Fog Meadows, Incipient Agriculture and Shorlines
8:15 Christina Conlee—Early Maize on the South Coast?
8:30 Hermann Gorbahn—Pernil Alto—A Preceramic Horticulturalist Village in Palpa, Southern Peru
8:45 Elsa Tomasto-Cagigao and Peters Ann—The Body and the Ancestor: Comparing Evidence Of Individual Biograph and Social Representation At Paracas Necropolis
9:00 Johny Isla and Markus Reindel—Un nuevo patrón arquitectónico de la cultura Paracas en la sierra sur del Perú
9:15 Stefanie Bautista—Towards an Understanding of theTransition from Paracas to Nasca from a Household Perspective: Interpreting Changes in Ceramic Consumption at Uchuchuma
9:30 Masato Sakai, Jorge Olano, Yoichi Watanabe and Kaoru Honda—Nasca Lines, Ceramic Sherds, and Social Changes: Recent Investigation at the Nasca Pampas, Southern Coast of Peru.
10:00 Meghan Tierney—The Human/Animal Continuum in Nasca Sculptural Ceramics (c. 1-450)

10:15 Matt Edwards—Ni la costa ni la sierra: The Archaeology of the Upper Nasca River Basin
10:30 Kevin Vaughn, Michiel Zegarra and Beth Grávalos—The 2014 Excavations at Cerro Tortolita, an Early Intermediate Period Ceremonial Center in the Upper Ica Valley.
10:45 Marie Gravalos and Kevin Vaughn—LA-ICP-MS Analysis of Nasca Ceramics from the Residential Sector at Cerro Tortolita, Ica, Peru
11:00 Verity Whalen, Corina Kellner, Alejandra Figueroa Flores and Deborah Spivak—A Second Room of the Posts? Ceremonialism at La Marcha during Late Nasca and the Middle Horizon
11:15 Sarah Kerchusky—Investigations of Nasca-Wari Interaction and Imperial Expansion during the Middle Horizon: A View from the Las Trancas Valley, Nasca, Peru
11:30 Maria Fernanda Boza Cuadros—Building Control: Architecture and the Regimentation of daily Life in Eighteenth Century Santa Cruz de Lancha, Peru
11:45 Brendan Weaver—Connecting the Pre-Columbian Past to the Present in South Coastal Peru: The Archaeology of the Colonial and Republican Haciendas of Nasca

**[32] SYMPOSIUM ■ RE-EVALUATING THE MARGINALITY OF CALIFORNIA'S ISLANDS: IMPLICATIONS FOR ARCHAEOLOGICAL INTERPRETATION**
**Room:** Franciscan CD
**Time:** 8:00 AM - 12:00 PM
**Chairs:** Kristina Gill and Mikael Fauvelle

**Participants:**
8:00 Todd Braje—Defining Marginality Under Shifting Baselines: Historical Transformations of California's Channel Island Ecosystems
8:15 Kristina Gill and Kristin Hoppa—Gathering Evidence: Terrestrial Plant Resources of California's Islands
8:30 Mikael Fauvelle and Andrew Somerville—Calories, Canoes, and Cross-Channel Trade: Exploring the Efficiency of Maritime Subsistence Exchange
8:45 Michael Glassow and Jennifer Perry—Importation of Deer Bone to the Channel Islands, California, during the Middle Holocene
9:00 Jon Erlandson, René Vellanoweth, Torben Rick and Nicholas Jew—Toolstone Sources off the Pacific Coast of Alta California: Implications for Evaluating the Marginality of Islands through Space and Time

9:15 Amira Ainis, Kristina Gill, Jon Erlandson, René Vellanoweth and Kristin Hoppa—Perishable but Not Forgotten: The Potential Use of Seaweeds on California's Channel Islands
9:30 Terry Joslin—Fishing and Ecological Resilience on California's Channel Islands
9:45 Emily Whistler, Amira Ainis and Rene Vellanoweth—Making Ancient Birds Sing: Avian Archaeology on the California Channel Islands.
10:00 Christopher Jazwa, Lorne Leonard, Chris Duffy and Douglas Kennett—Freshwater Availability and Prehistoric Settlement Patterns on California's Northern Channel Islands
10:15 Amy Gusick and Jon Erlandson—Why Did Paleocoastal People Settle California's Islands?
10:30 Jeanne Arnold—It Takes a Village: Mainland and Channel Islands Population (Labor) Resources through Time
10:45 Queeny Lapeña, Jessica Morales and René Vellanoweth—The Distribution and Chronology of Abalone Middens on the California Channel Islands
11:00 Lynn Gamble and Brian Barbier—Household Archaeology on the Northern Channel Islands of the Santa Barbara Coast, California
11:15 Matthew Des Lauriers and Danny Sosa—The Assumption of Insular Marginality: The Curious Case of Isla Cedros, Baja California
11:30 Terry Jones—Discussant
11:45 Scott Fitzpatrick—Discussant

**[33] SYMPOSIUM ■ COGNITIVE ARCHAEOLOGY**
**Room:** Yosemite C
**Time:** 8:00 AM - 12:00 PM
**Chairs:** Lana Ruck and Natalie Uomini

**Participants:**
8:00 Kathleen Gibson—Primatology, Developmental Psychology, and the Birth of Cognitive Archaeology
8:15 Thomas Wynn—The Handaxe Aesthetic
8:30 Emiliano Bruner—Visuospatial Integration: Perspective in Cognitive Archaeology
8:45 Frederick Coolidge—Higher Cognitive Sequelae of the Recently Expanded Parietal Lobes in Homo sapiens
9:00 Karenleigh Overmann—Numbers and Time: The Role of Materiality in Numerical Cognition
9:15 Erella Hovers and Anna Belfer-Cohen—Prehistoric

Perspectives on 'Others' and 'Strangers'
9:30 Questions and Answers
9:45 Ceri Shipton, Antoine Muller, Chris Clarkson, Richard Jennings and Mike Petraglia—Hominin Cognition Across the Acheulean to Middle Palaeolithic Transition
10:00 Nada Khreisheh—Learning to Think: Using Experimental Flintknapping to Interpret Prehistoric Cognition
10:15 Thomas Morgan, Natalie Uomini, Luke Rendell, Ignacio de la Torre and Kevin Laland—The Social Transmission of Oldowan Lithic Technology
10:30 P. Schoenemann and Lindsey Kitchell—Handedness and the Evolution of Tool Use in Humans
10:45 Lana Ruck—Determining Hominid Handedness in Lithic Debitage: A Review of Current Methodologies
11:00 Dietrich Stout—Stone Tool-Making and the Right Cerebral Hemisphere
11:15 Robert Mahaney—Finding the Cognitive Neurocognitive Core of Paleolithic Stoneknapping: An ALE Meta-Analysis
11:30 Georg Meyer and Natalie Uomini—Using Neuroimaging in Archaeology to investigate Cognitive Evolution
11:45 Questions and Answers

**[34] SYMPOSIUM ■ ARCHAEOLOGIES BY COMMUNITY MANDATE: PRACTICING COLLABORATIVE AND COMMUNITY-ENGAGED RESEARCH**
*(Sponsored by Indigenous People's Interest Group and Committee on Native American Relations)*
**Room:** Continental Ballroom 4
**Time:** 8:00 AM - 12:00 PM
**Chairs:** Heather Atherton, Jun Sunseri and Charlotte Sunseri
**Participants:**
8:00 Charlotte Sunseri, Jun Sunseri and Heather Atherton—Archaeologies by Community Mandate: Who Makes the Call?
8:15 Annelise Morris—Materializing the Momentary: Community Engagement through Ethnographic Practice
8:30 Kelly Britt—Mandating Community Archaeology: Using Law to Bridge the Gap between Public Outreach and Community Engagement
8:45 Jessica MacLean—Community Entanglements: Archaeology, Heritage, and Community Partnership at the Little Bay Plantation, Montserrat, West Indies
9:00 Peter Nelson—Engaged Research, Management and Planning

at Tolay Lake Regional Park
9:15 Stephen Silliman and Katherine Sebastian Dring—Taking and Giving: Finding the Balance in Community Archaeology
9:30 Lindsay Montgomery—From Consultation to Collaboration: Expanding the Scope of Archaeology's Engagement with Indigenous People
9:45 Michael Adler—Practicing Community Archaeology and Present Communities of Practice in Archaeology: A Southwestern Perspective
10:00 Johannes Loubser—More than Mere Dots on a Map: Archaeological Sites among Venda-Speaking Communities of the Soutpansberg
10:15 J. Bremer and Anne Baldwin—Evolving Histories and Changing Archaeologies on the Santa Fe National Forest
10:30 Peter Mills—Close to Home: Bringing Heritage Management Graduate Programs to Descendant Communities
10:45 Ora Marek-Martinez—Archaeology?! Yadilah! Collaborative Archaeology and Lessons from the Navajo Nation
11:00 Deborah Huntley, Suzanne Eckert and Karen Schollmeyer—Finding the Balance: Case Studies in Collaboration and Community Engagement from the American Southwest
11:15 Bonnie Clark—The Good, the Bad, and the Awkward: The Archaeology Open House as Heritage Process
11:30 Joe Watkins—Discussant
11:45 Sonya Atalay—Discussant

**[35] SYMPOSIUM ■ THE FRISON INSTITUTE/GEOARCHAEOLOGY INTEREST GROUP SYMPOSIUM: ARCHAEOLOGY AND GEOARCHAEOLOGY OF ROCKSHELTERS AND CAVES**
*(Sponsored by The Frison Institute/Geoarchaeology Interest Group)*
**Room:** Continental Ballroom 6
**Time:** 8:00 AM - 12:00 PM
**Chairs:** Robert Kelly, Nicolas Naudinot and Matthew Rowe

**Participants:**
8:00 Brian Andrews, Metin Eren, Susan Mentzer and David Meltzer—Goodson Shelter: Recent Excavations at a Newly Discovered Deeply Stratified Rockshelter in Northeastern Oklahoma
8:15 Geoffrey Smith, Madeline Van der Woort and Aaron Ollivier—The Pre-Mazama Occupation of the LSP-1 Rockshelter, Warner Valley, Oregon

8:30 Patrick O'Grady, Joe Collins, Michael Rondeau and Scott Thomas—Near and Far: Spatial Relationships of Inter- and Intra-Site Artifacts at Rimrock Draw Rockshelter (35HA3855), Harney County, Oregon.

8:45 Paul Goldberg, Vera Aldeias, Dennis Sandgathe, Alain Turq and Laurent Bruxelles—Aspects of Site Formation Processes at the Paleolithic Site of La Ferrassie (Dordogne), France

9:00 Nicolas Naudinot and Grégor Marchand—Take Shelter! The Contributions of Rock-Shelter Archaeology to Understanding the Socio-Economic Organization of Final Paleolithic/Mesolithic societies in Western France

9:15 Marc Jarry, François Bon, Laurent Bruxelles, Céline Pallier and Lars Anderson—Aurignacian(s) in the Mas d'Azil Cave (Ariège, Pyrénées, France)

9:30 Roxana Cattaneo and Andres Dario Izeta—Rethinking Deodoro Roca Rockshelter (Ongamira, Córdoba, Argentina). Seventy Years of Archaeological Ideas

9:45 Charles Kolb—Tales from Three Caves and a Rockshelter in Balkh Province, Northern Afghanistan

10:00 Judson Finley and Matthew Rowe—Rockshelters as Late Quaternary Geoarchaeological Records in the Bighorn Mountains, Wyoming

10:15 Matthew Rowe and Judson Finley—Rockshelters in the Bighorn Basin, Wyoming; Environment, Ecology, and Landuse Patterns

10:30 James Enloe—Rockshelters and Farming Villages: Complementary Seasonal Occupations at Woodpecker Cave

10:45 Edward Herrmann and Matthew Rowe—The Rockhouse Hollow Rockshelter, Ohio River Valley

11:00 Justin Carlson and George Crothers—Anthropogenic Fire Management and Changing Land-Use Strategies in the Mammoth Cave Plateau and Sinkhole Plain, Central Kentucky, USA

11:15 Theodore Marks—Two Rockshelters in the Namib: Land Use, Site Use, and Risk over the Middle to Later Stone Age Transition in Southwestern Africa

11:30 Christopher Ames and Benjamin Collins—Revisiting Grassridge Rockshelter in the Eastern Cape Province of South Africa: Results of the 2014 Field Season

11:45 Ryan Breslawski and David Byers—Controlling for Carnivores and Shaft Fragmentation in Skeletal Element Analysis: Some Insights from Southern Idaho Cave Deposits

**[36] SYMPOSIUM ■ DIFFERENCE IN ARCHAEOLOGICAL THEORY AND PRACTISE**
**Room:** Union Square 21
**Time:** 8:15 AM - 11:30 AM
**Chairs:** Roland Fletcher and John Papadopoulos

**Participants:**

8:15 Roland Fletcher—Difference, Non-Correspondence and the Material Contexts of Sociality
8:30 Robert Drennan, Adam Berrey and Christian Peterson—Elite Ambitions, Public Works, and Political Consolidation: A Comparative View
8:45 Dan Penny and Tegan Hall—The Demise of Angkor: Infratructural Inertia and Climatic Instability
9:00 Lisa Lucero—Climate Change, Dissonance and Urban Diaspora in the Southern Maya Lowlands
9:15 Rachael Lane—Difference Theory and the Relevance of the Archaeological Past to the Present
9:30 Ian Morris—Discussant
9:45 John Papadopoulos—Difference in Archaeology Theory and Practice: The Case of Classical Greece
10:00 Peta Longhurst—Difference in the Archaeology of Institutions
10:15 Christophe Pottier—Insights from Difference: Text and Archaeology in Angkor
10:30 Mary Beaudry—Discourse and Dissonance in the Archaeological Archive
10:45 Willeke Wendrich—Concurrences and Discrepancies in Ancient Egypt
11:00 Anders Andrén—The Otherness of Objects? The Material Turn and Historical Archaeology
11:15 Norman Yoffee—Discussant

**[37] SYMPOSIUM ■ THE QIJIA CULTURE OF NORTHWEST CHINA – ENTERING A NEW ERA OF RESEARCH**
**Room:** Union Square 13
**Time:** 8:15 AM - 12:00 PM
**Chair:** Rowan Flad

**Participants:**

8:15 Rowan Flad, Andrew Womack, Yitzchak Jaffee and Jing Zhou—New Research at Qijiaping
8:30 Andrew Womack—The Cemetery at Qijiaping: New Insights into the Production and Use of Ceramics Vessels
8:45 Xiaohong Wu—Radiocarbon Dating of Qijiaping site in Gansu

Province, China
9:00 Rita Dal Martello—Rethinking Burial Practice in Qijia Culture
9:15 Christine Lee—Preliminary Bioarchaeological Analysis of the Qijia Culture Mogou Site (2400–1900 BCE), Gansu Province, China
9:30 Hua Wang, Ruilin Mao and Hui Wang—Ritual Animal Use of "Qijia Cultural," Evidence from Mogou Cemetery, Lintan County, Gansu Province, China
9:45 David Fargo, Maolin Ye and Yin Lam—Early Bronze Age Animal Use at Lajia, a Qijia Culture Site in Qinghai Province, China
10:00 Questions and Answers
10:15 XiaoLi Qin—Turquoise Ornaments and Inlays Technology in Qijia Culture—A Comparative Study of Qijia Culture and Erlitou Culture
10:30 Ariel OConnor and Katherine Eremin—A Technical Study of Casting and Inlay on Chinese Ceremonial Weapons at the Harvard Art Museums
10:45 Minmin Ma, Guanghui Dong, Hui Wang and Fahu Chen—Dietary Shift and Cultural Evolution Relation to Intercontinental Cultural Exchanges and Climate Change in the Hehuang and Contiguous Regions, Northwest China ~3600 Years Ago: Evidence from Carbon and Nitrogen Stable Isotopic Analysis
11:00 Weimiao Dong and Guanghui Dong—Cereal Cultivation Shift during Qijia Culture Period in Gansu and Qinghai Province, NW China: Archaeobotanic Evidence
11:15 Hui Wang—The Evolution of the Qijia Culture and its Contacts with Other Cultures
11:30 Louisa Fitzgerald-Huber—Discussant
11:45 Shuicheng Li—Discussant

**[38] SYMPOSIUM ■ THE MANAGED MOSAIC: PAPERS IN HONOR OF SCOTT L. FEDICK**
**Room:** Golden Gate 2
**Time:** 8:30 AM - 11:30 AM
**Chair:** Kathryn Sorensen

**Participants:**
8:30 Nicholas Hearth—A Forgotten Facet of Fedick: Scott's Contributions to Maya Lithics Research
8:45 Darcy Wiewall—Peopling the Landscape: Scott Fedick and His Contributions to Household Subsistence Strategies
9:00 John Gust—Debt Peonage and Free Labor: Post–Caste War

Sites in Northern Quintana Roo and Western Belize
9:15 Bethany Morrison—Beyond the Death March: Scott Fedick´s Legacy as a Field School Director
9:30 Lucia Gudiel—An Ethnoarchaeological Approach to Understanding the Role of Root-crops in Ancient Lowland Maya Subsistence
9:45 Shanti Morell-Hart—Fedickschrift: Notes on a Prominent Historical Figure in Ethnoecology, Ethnoarchaeology, and Landscape Studies
10:00 Daniel Leonard and Jennifer Chmilar—Fedick-ian Approaches to Wetland Studies: Rock Alignments, Resilience, and the Pulse-Based Ecosystem
10:15 Lance Wollwage—Scott's Snails: Freshwater and Wetland Gastropods as Indicators of Environmental Change in the Yalahau Region, Quintana Roo, Mexico
10:30 Anna Hoover—Preparing for the Future through Rock Mounds and Research
10:45 Jeffrey Glover and Dominique Rissolo—Exploring the Coastal Mosaic of Northern Quintana Roo: The Proyecto Costa Escondida and Scott L. Fedick's Continuing Legacy in the Northern Maya Lowlands
11:00 Jennifer Mathews and Kathy Sorensen— Has Anyone Heard from Scott Fedick?
11:15 Anabel Ford—Discussant

**[39] SYMPOSIUM ■ RECONSIDERING THE "EPIC" IN THE EPICLASSIC PERIOD OF MESOAMERICA PART 1: REGIONAL INTERACTIONS**
**Room:** Continental Ballroom 5
**Time:** 8:30 AM - 11:30 AM
**Chair:** Cynthia Kristan-Graham

**Participants:**
8:30 John Pohl—Discussant
8:45 Marcus Winter, Robert Markens and Cira Martínez López—The Epiclassic in Oaxaca (600–900 CE)
9:00 Christopher Beekman—Western Mexico: Opening Act of the Mesoamerican Epiclassic
9:15 Natalia Moragas Segura—Talking about Epiclassic at Teotihuacan: the urban question
9:30 Javier Urcid—Teotihuacan and post-Teotihuacan Writing in the Central Highlands as seen from NW Oaxaca and Southern Puebla
9:45 Mario Martínez Lara—The Presence of Teotihuacan's

Iconography at Cacaxtla, Tlaxcala: A Reflection on Its Interpretations
10:00 Questions and Answers
10:15 Juliette Testard—Women, Metaphors of Alterity. Expressing Elites Interactions at Cacaxtla-Xochitecatl (Tlaxcala) and Xochicalco (Morelos)
10:30 Oswaldo Chinchilla—Epiclassic in Southern Mesoamerica? Tradition, Innovation, and Reaction in Pacific Guatemala
10:45 Rex Koontz—Patterns of Elite Self-Presentation in North-Central Veracruz, Middle to Epiclassic Periods
11:00 Keith Jordan—From Tula Chico t Chichenitza: Implications of the Epiclassic Sculpture of Tula for the Nature and Timing of Tula-Chichen Contact
11:15 Dan Healan—Discussant

**[40] SYMPOSIUM ■ HUMAN ADAPTATIONS TO ENVIRONMENTAL CHANGE DURING THE TERMINAL PLEISTOCENE AND EARLY HOLOCENE - PART 1**
**Room:** Imperial Ballroom A
**Time:** 8:30 AM - 11:30 AM
**Chair:** Ivana Radovanovic
**Participants:**
8:30 William Banks—Culture-Environment Relationships and Heinrich Stadial 1 in Western Europe: Are Ecological Niche Shifts Implicated?
8:45 Sarah Lacy—Using Oral Health Indicators as Evidence of Environmental Instability and Subsistence Shifts in the Late Upper Paleolithic of Western Eurasia
9:00 Jennifer French—Human Responses to Late Pleistocene Environmental Change in South-Western France
9:15 Clive Bonsall, Catriona Pickard and Peter Groom—Intensification of Aquatic Resource Exploitation at the Terminal Pleistocene/Early Holocene Boundary?
9:30 Michael Jochim—A Lacustrine Revolution: Adaptive Shifts in the Late- and Postglacial of South Central Europe
9:45 Philippe Crombé and Erick Robinson—The Impact of the 9.3 Cooling Event on the Human Environment in the Southern North Sea Basin
10:00 James Phillips and Ofer Bar-Yosef—Terminal Pleistocene Foraging Societies in the Nile Valley
10:15 Ofer Bar-Yosef and James Phillips—Levantine Foragers during the Terminal Pleistocene and Early Holocene

10:30 Leore Grosman—The Late Natufian Culture Dynamics during the Younger Dryas Event
10:45 Simon Connor, Shawn Ross, Adela Sobotkova and Ilia Iliev—Early Holocene Aridity and the First Farmers of Europe
11:00 Natalie Munro and Mary Stiner—Faunal Evidence for the Neolithic Colonization of Franchthi Cave, Greece (ca. 7000–6500 cal BC)
11:15 Questions and Answers

**[41] SYMPOSIUM ■ THE EVOLUTION OF INTENSIVE PLANT USE BY COMPLEX HUNTER-GATHERERS: ARCHAEOBOTANICAL RECORDS FROM CALIFORNIA**
**Room:** Golden Gate 6
**Time:** 9:45 AM - 12:00 PM
**Chairs:** Seetha Reddy and Eric Wohlgemuth

**Participants:**
9:45 Eric Wohlgemuth—Environmental Constraints and Plant Food Intensification in the Sacramento Valley
10:00 Heather Thakar—Evidence of Specialization and Intensification of Small Seed Exploitation on Santa Cruz Island, California
10:15 Wendy Pierce and Gary Scholze—Native Irrigation in Owens Valley: The 2000 Year Back-story
10:30 Jenna Santy—Ancient Starch Research In California: Results from CA-SBA-53
10:45 Seetha Reddy—Changes Palates and Resources: Modeling Diachronic Plant Use in Prehistoric California
11:00 Rob Cuthrell—Archaeobotanical Evidence and Diachronic Changes in Foodways of Indigenous Groups in the Central Coast and San Francisco Bay Regions, California
11:15 Kristin Hoppa and Kristina Gill—Plant Use at Diablo Valdez, Santa Cruz Island: Evidence from Macrobotanical and Starch Grain Remains
11:30 Angela Arpaia—Plant Remains Assemblage in Santa Clara Valley
11:45 Christine Hastorf—Discussant

**[42] FORUM ■ 3D MODELING AND PRINTING IN ARCHAEOLOGY: TRANSFORMATIVE INNOVATIONS/APPROPRIATIONS**
*(Sponsored by Sustainable Archaeology/iPINCH)*
**Room:** Union Square 2
**Time:** 10:00 AM - 12:00 PM

**Moderators:** Neal Ferris and George Nicholas
**Participants:**
Maurizio Forte—Discussant
Mary Compton—Discussant
Peter Dawson—Discussant
Eric Hollinger—Discussant
Kristina Killgrove—Discussant
Heather McKillop—Discussant

**[43]** **SYMPOSIUM ■ CREATIVE PUBLIC-CENTERED APPROACHES TO COMPLIANCE ARCHAEOLOGY**
*(Sponsored by SAA Public Archaeology Interest Group)*
**Room:** Golden Gate 4
**Time:** 10:00 AM - 12:00 PM
**Chair:** Christina Rieth
**Participants:**
10:00 Christina Rieth—Public Engagement and Compliance Archaeology in a Museum Setting
10:15 Jason Barrett, Linda Gorski, Richard Weinstein and Roger Moore—A Community Approach to Data Recovery Investigations at the Dimond Knoll Site, Harris County, Texas
10:30 Susan Chandler—Public Outreach and Pipeline Archaeology in the Western United States
10:45 John Crock—Levels of Public Engagement in Vermont Archaeology and Striving to Match Outreach with Outcomes
11:00 Elizabeth Reetz, Cynthia L. Peterson and Melody Pope—Bridging the Professional-Public Divide through Flood Recovery Compliance Archaeology at the University of Iowa
11:15 Elizabeth Horton—Connecting Communities to Place: Public Archaeology at Fort Vancouver National Historic Site
11:30 Margaret Schulz, Laurie Rush and Duane Quates—And Then Sometimes, The Public Engages You
11:45 Questions and Answers

**[44]** **GENERAL SESSION ■ HISTORICAL ARCHAEOLOGY OF PLANTATIONS AND ENSLAVED PEOPLES**
**Room:** Union Square 25
**Time:** 10:15 AM - 11:45 AM
**Chair:** Marco Meniketti
**Participants:**
10:15 Marco Meniketti—Work and Models of Efficiency in Eighteenth

and Nineteenth Century Sugar Factories: A Caribbean Case Study

10:30 Clete Rooney, David Morgan and Kevin MacDonald—Archaeology of the 18th-Century French Colonial Metoyer Land Grant Site, Natchitoches, Louisiana

10:45 Todd Ahlman—Costly Signaling, Risk Management, and Network Creation: Commodity Production and Exchange in the Historic Caribbean

11:00 Alicia Odewale—Opposing Views in African-American Archaeology: Use of Resistance or Risk Management to Explain Cultural Material of the Enslaved

11:15 Lauren Maas—A Comparative Analysis of Decorative Ceramics and Choice at the Gregory Lincoln/HSPVA Site and the Levi Jordan Plantation Site

11:30 Amy Jordan—Alone in the Deep Blue Sea: A Comparison of Indonesian Colonial Period Nutmeg Plantations and New World Plantations

**[45] SYMPOSIUM ■ NEW AND INNOVATIVE APPROACHES TO OVERSEAS CHINESE ARCHAEOLOGY**

**Room:** Golden Gate 8
**Time:** 10:30 AM - 12:00 PM
**Chairs:** Chelsea Rose and Ryan Kennedy

**Participants:**

10:30 Ryan Kennedy—Plants, Animals, and Food Choice within the Market Street Chinatown, San Jose, California

10:45 Chelsea Rose—Getting Burned: Fire, Politics, and Cultural Landscapes in the American West

11:00 Molly Swords—Unearthing Sandpoint's Chinatown: The Archaeology of Sandpoint, Idaho's Overseas Chinese

11:15 Sarah Heffner—Exploring Healthcare Practices of Chinese Railroad Workers in North America

11:30 Mary Maniery—Scraping Our Way To The Past: A Methodological Approach for Chinese Rural Work Camps

11:45 Adrian Praetzellis—Discussant

**[46] GENERAL SESSION ■ ARCHAEOLOGY OF THE INCA EMPIRE**

**Room:** Golden Gate 1
**Time:** 10:30 AM - 12:00 PM
**Chair:** Jessica Christie

**Participants:**

10:30 Jose Peña—The Role of the Tambo in the Inka Administration: A View from the Site of Ingatambo, Cajamarca-Jaen, Peru
10:45 Francisco Garrido—Non-State Artisan Specializations and Exchange in the Margins of the Inca Empire
11:00 Jessica Christie—Inka Border Negotiations in the North: The Canari Case in the Province of Azuay, Ecuador
11:15 Raul Zambrano and Camila Capriata—The Arrival of the Incas and it Consequences in the Transformation of the Sociopolitical Landscape of the Lower Lurin Valley
11:30 William Pratt, David Brown, Dana Anthony and Patricia Mothes—Laying the Foundations: A Unique Inka Construction Technique in the Northern Ecuadorian Highlands
11:45 Beatriz Ventura—Goods that Moved between the Forest and the Highland Andes in the Inca state. The Eastern Valleys of North Argentina

**[47] GENERAL SESSION ■ ARCHAEOLOGICAL SURVEY AND LANDSCAPE ARCHAEOLOGY IN THE EUROPE, ANATOLIA, AND AFRICA**
**Room:** Continental Parlor 3
**Time:** 10:30 AM - 12:00 PM
**Chair:** Stephen Davis

**Participants:**
10:30 Edward Banning, Sarah T. Stewart, Philip Hitchings and Steven Edwards—Sweep Widths in the Evaluation of Coverage by Archaeological Surveys in Jordan and Cyprus
10:45 Antonio Malpica Cuello—Paisajes agrarios en la montaña costera del reino de Granada
11:00 Omur Harmansah and Peri Johnson—Landscape Archaeology and Political Ecology in Anatolia: The Yalburt Yaylasi Project 2014 Season
11:15 Attila Gyucha, William A. Parkinson, Richard W. Yerkes and Paul R. Duffy—Long-Term Changes in Settlement Patterns and Local Land Use on the Great Hungarian Plain
11:30 Stephen Davis, Knut Rassman, Hans-Ullrich Voss, Chris Carey and Christine Markussen—Landscape-Scale Survey at the Brú na Bóinne World Heritage Site, Ireland
11:45 Brian Clark—Problems of Archaeological Site Preservation and Identification in the Highland Mountains of Ethiopia

**[48] GENERAL SESSION ■ CONTRIBUTIONS TO MODELING IN ARCHAEOLOGY**

**Room:** Golden Gate 5
**Time:** 10:30 AM - 12:00 PM
**Chair:** David Purcell

**Participants:**

10:30 David Purcell, Danny Sorrell, Pete Taylor, Kye Miller and Lynn Neal—Revealed by Flames: Modeling Site Distribution in Arizona's White Mountains after the Wallow Fire

10:45 Kong Cheong, Chris Carleton, Dan Savage, James Conolly and Gyles Iannone—Testing a Locally-Adaptive Model of Archaeological Potential (LAMAP) to Assess Ancient Maya Settlement Location and Density in Belize's North Vaca Plateau

11:00 Benjamin Van Alstyne and Karen Harry—Using Building Information Modeling Programs to Understand the Built Environment of the Virgin Branch Puebloan Culture

11:15 Owen O'Leary—Predicting the Location of Human Remains on WWII Bombardment Aircraft Crash Sites

11:30 Francisco J. Miguel Quesada, Eduardo Tapia, Débora Zurro and Jorge Caro—Agent Based Modelling on the Origins of the Sexual Division of Labor

11:45 Matthew Harris and Grace Ziesing—Pennsylvania Predictive Model Set—Realigning Old Expectations with New Techniques in the Creation of a Statewide Archaeological Sensitivity Model

**[49] POSTER SESSION ■ ARCHAEOLOGY IN ASIA**
**Room:** Grand Ballroom A
**Time:** 10:30 AM - 12:30 PM

**Participants:**

49-a Rachel Lee—Mumun Period Households and the Rise of Inequality in Korea

49-b Matthew Go and Xu Zhang—Differing Methodologies in Computing for Smith's Mean Measure of Divergence between Chinese and Western Literature

49-c Zhuowei Tang, Lixin Wang, Pauline Sebillaud, Duan Tian-jing and Gyoung-Ah Lee—Neolithic Development in Eastern Dongbei Region, China

49-d Pochan Chen—Exploring the Social Structure of Kunming Yangfutou Cemetery, Yunnan, Southwestern China

49-e Uthara Suvrathan—Spaces and Places: Examining Historic Maps from South Asia

49-f Ha Beom Kim—A Study on the Mid-to-Late Neolithic and the Early Bronze Age Agricultural Economies and their Development at Huizui Site, Yiluo Valley Region, China

49-g Chihhua Chiang—Use-Wear Analysis of the Stone Tools at the Wansan Site, a Neolithic site in Taiwan
49-h Cheng-Yi Lee, Maa-Ling Chen, Peter Ditchfield, Mark Pollard and Ching-Hua Lo—The Diet and Subsistence System of Yuan-Shan People in Taiwan
49-i Bong Kang—A Reexamination of the Terrestrial Animals Depicted on the Rock Art of Bangudae in Southern Korea: Problems of Animal Domestication and Chronology
49-j Andrea Yankowski and Puangtip Kerdsap—Salt and Salt Fermented Fish in Northeast Thailand, Prehistory to the Present

**[50] POSTER SESSION ■ GLOBAL HISTORICAL ARCHAEOLOGY**
**Room:** Grand Ballroom A
**Time:** 10:30 AM - 12:30 PM

**Participants:**
50-a Kelly Goldberg and Kenneth G. Kelly—Exploration of Exchange Networks in Nineteenth Century Guinea
50-b Karine Lefebvre—Using Archaeological Data and Historic Documents to Reconstruct a Colonial Landscape
50-c David Tutchener—Far Northern Queensland: Cape York and Aboriginal Historical Archaeology.
50-d Hayden Bassett—Internally Divided: An Archaeological Investigation of a Jamaican Slave Village, 1766 to 1838
50-e Suzanna Pratt—Land Degradation at Betty's Hope Historical Plantation, Antigua
50-f Helen Loney—Gender and Age in the 18th–19th Century Worcester Porcelain Industries: Relating the Results of Archaeological Research to Social History

**[51] POSTER SESSION ■ ARCHAEOLOGY OF THE MEDITERRANEAN REGION AND CLASSICAL WORLD**
**Room:** Grand Ballroom A
**Time:** 10:30 AM - 12:30 PM

**Participants:**
51-a Laura Swantek—Understanding Changes in Social Complexity during the Prehistoric Bronze Age on Cyprus: A Bottom-Up Approach
51-b Hans Barnard, Brett Kaufman and Ali Drine—Overview of Two Seasons in the Roman and Neo-Punic Settlement of Zita (Zyan), Southern Tunisia
51-c Bianca Hand and P. Nick Kardulias—Hellenistic and Roman

Votive Sculptures as Markers of Foreign Influence on Cyprus
51-d James Torpy and P. Nick Kardulias—Religious and Mortuary Landscapes in Archaic Cyprus
51-e Victoria Moses—Temple, Tavern, and Table: Zooarchaeology at the Area Sacra di Sant'Omobono from the 7th century BCE to the 13th century CE
51-f Sean Bergin—Modeling the Influx of Agriculture: An Agent-Based Model Exploring Agricultural Spread Scenarios in the Western Mediterranean

**[52] POSTER SESSION ■ ARCHAEOLOGIES OF ISLANDS AND ATOLLS OF OCEANIA**
**Room:** Grand Ballroom A
**Time:** 10:30 AM - 12:30 PM

**Participants:**
52-a Jennifer Huff—Holocene Transitions in Highland Papua New Guinea: Linking Climate Change to Changes in Subsistence and Mobility with New Models and Data
52-b Mark Golitko, Ethan Cochrane, Shaun Williams and Jason Kariwiga—Archaeological and Paleo-Environmental Investigations in the Aitape Area of Northern Papua New Guinea, 2014
52-c Adam Thompson, Aaron Poteate, Scott Fitzpatrick and William Ayres—Early Settlement of Atolls in Eastern Micronesia: Investigations on Mwoakilloa Atoll
52-d Cherie Walth—Mortuary Practices of the Pre-Latte and Latte People of Guam Based on Data from the Naton Beach Site
52-e Sean Hixon, Carl Lipo and Terry Hunt—The Colossal Hats (pukao) of Monumental Statues: An Analysis of Shape Variability among the pukao of Rapa Nui
52-f Yan Cai—Socioeconomic Change in Tikopia Household under the Perspective of Ecological Change
52-g Sophie Miller—Whose Bone is This? An Investigation into Modern Histological Methods of Species Identification with Application to Archaeological Faunal Assemblages in the Pacific
52-h Ian Takaoka and Jozie Banas—Nukubalavu 1: A Preliminary Examination of Mid-Sequence Ceramics and Culture Change on Vanua Levu, Fiji
52-i Jennifer Huebert—Anthropogenically Driven Decline and Extinction of Sapotaceae on Nuku Hiva (Marquesas Islands, East Polynesia)
52-j Matthew Cole, Matt Becker and Carl Lipo—Coastal Groundwater

Seeps on Rapa Nui

52-k Jordan Pratt, Isabela Kott, Christopher Lee, Carl P. Lipo and Terry L. Hunt—Application of Object-Based Image Analysis of High Resolution Imagery to Identify Archaeological Features on Rapa Nui (Easter Island, Chile)

52-l Nicole Hernandez, Julie Field, John Dudgeon and Christopher Roos—Starch and Ceramics: Dietary Transition and Technology in the Sigatoka Valley, Fiji

52-m Tanya Zeferjahn, Michelle Baroldi, Chris Lee, Carl Lipo and Matt Becker—Rapa Nui: The Influence of Freshwater Sources on Prehistoric Settlement Distribution

52-n Isabela Kott, Carl P. Lipo, Christopher Lee and Terry L. Hunt—Spatial Analysis of Prehistoric Garden Features on Rapa Nui (Easter Island, Chile)

**[53] POSTER SESSION ■ PALEOANTHROPOLOGY AND THE ARCHAEOLOGY OF THE STONE AGE**

**Room:** Grand Ballroom A

**Time:** 10:30 AM - 12:30 PM

**Participants:**

53-a Somayeh Khaksar and Grant McCall—Delazian: An Open-Air Upper Paleolithic Site in Central Iran

53-b Marc Kissel, Agustín Fuentes and Celia Deane-Drummond—The Evolution of a Distinctive Human Niche: Assessing and Describing the Development of Wisdom in the Pleistocene the Archeological Record

53-c Celia Goncalves, Joao Cascalheira, Mussa Raja, Omar Madime and Nuno Bicho—Mapping the Stone Age in Mozambique: Preliminary Results

53-d Rachel Moy—Neolithic vs. Late Stone Age: The Neolithic Revolution in the Horn of Africa Reconsidered

53-e Charles Egeland, Alexa Uberseder and Cynthia Fadem—Recent Paleoanthropological Work at DK East, Olduvai Gorge, Tanzania

53-f Curran Fitzgerald, Charles Egeland, Ryan Byerly, Cynthia Fadem and Audax Mabulla—Geochemical and Physical Characterization of Lithic Raw Materials in the Olduvai Basin, Tanzania

53-g Hilary Duke and Sonia Harmand-Lewis—New Data from Old Stones: A Technological Pilot Study of Lithics from Kokiselei 6 (1.8 mya) in West Turkana, Kenya

53-h Karisa Terry, Masami Izuho, Noriyoshi Oda, Jefftery Ferguson and Ian Buvit—Obsidian Access and Territoriality at the Upper

Paleolithic Shimaki Site, Hokkaido, Japan

53-i Masami Izuho, Ian Buvit, Takeyuki Ueki, Gunchinsuren Byambaa and Tsogtbaatar Batmunkh—In Search of Upper Paleolithic Sites in Alluvial Contexts in the Tsukh (Chikoi) Valley, Northern Mongolia

53-j Ilaria Patania, Paul Goldberg, Xiaohong Wu, Chi Zhang and Ofer Bar-Yosef—Micromorphology and Site Formation Processes at Xianrendong Cave (South China): A Preliminary Analysis of the Late Upper Palaeolithic Layers.

53-k Anna Goldfield and Ross Booton—Modeling the Potential Effects of Cooking on Neanderthal Hunting Efficiency

53-l Naomi L. Martisius, Tamara Dogandžic, Michel Lenoir, Shannon P. McPherron and Teresa E. Steele —Neandertal Subsistence at the Late Mousterian Site of Abri Peyrony, France

53-m Rebecca Docchio and Julien Riel-Salvatore—Lithic Analysis of Late Mousterian Assemblages at Riparo Bombrini

53-n Kristen Wroth, Dan Cabanes, Paul Goldberg, Vera Aldeias and Dennis Sandgathe—Phytolith Analysis and Micromorphology of Neandertal Combustion Features at Roc de Marsal, SW France

53-o Joelle Nivens—Red and Yellow Tracks in the Aurignacian: The Spatial Distribution of Colorants at Abri Castanet (Dordogne, France)

53-p Anna Waterman, Jonathan Thomas, James Enloe and David Peate—The Influence of Prey Availability on Ice Age Hunting Strategies: Tracing Magdalenian Reindeer Migratory Patterns Using Strontium Isotope (87Sr/86Sr) Analysis of Reindeer Teeth from Verberie (Oise, France)

## [54] POSTER SESSION ■ NEW PERSPECTIVES ON THE ROMANIAN BRONZE AGE

**Room:** Grand Ballroom A
**Time:** 10:30 AM - 12:30 PM
**Chair:** Colin Quinn

**Participants:**

54-a Colin Quinn—Decoupling Decoration and Dates: A New Absolute Chronology for the Transylvanian Middle Bronze Age

54-b Jordan Dalton and Colin Quinn—Agropastoralism in Bronze Age Transylvania: An Analysis of Faunal Assemblages from the Geoagiu and Mureş Valleys

54-c Elspeth Geiger—Investigating Wood Acquisition Strategies from Archaeological Charcoal: Implications for the Bronze Age Site of Pecica Şanţul Mare

54-d Laura Motta and Laura Jessmore—Analysis of Plant Remains from the Bronze Age Site of Pecica Şanţul Mare
54-e Polly Burnette-Egan—Middle Bronze Age Animal Economies: Transitions at Pecica Santul Mare (Romania)

**[55] POSTER SESSION ■ MULTIDISCIPLINARY STUDIES OF ANTHROPOGENIC CHANGE, SUBSISTENCE, SOCIAL ORGANIZATION, REGIONAL INTERACTION, AND TECHNOLOGY AT THE LAS CAPAS SITE, BC 1200-400, SOUTHERN ARIZONA**
**Room:** Grand Ballroom A
**Time:** 10:30 AM - 12:30 PM
**Chairs:** Michael Diehl and James Heidke

**Participants:**
55-a Jenny Adams—Exploring Early Agricultural Technological Traditions at Las Capas with Experiments
55-b Michael Diehl—Farmaging and the Limitations of Storage during the Early Agricultural Period at Las Capas
55-c Jeffrey Homburg, Fred Nials and James Vint—Anthropogenic Effects on Soil Quality of the Las Capas Irrigation System
55-d James Vint—Refinement of Early Agricultural Site Chronology in the Tucson Basin
55-e James Watson and Rachael Byrd—Bioarchaeology at Las Capas: Uniformity and Continuity within the Early Agricultural Period
55-f James Heidke—Figurines and Farmagers
55-g Christine Lange—The Use of Shell Ornaments at Las Capas, an Early Agricultrual Site in Southern Arizona
55-h Chad Yost—Phytolith Analysis of Sediments from Early Agricultural Fields at Las Capas, Arizona
55-i Manuel Palacios-Fest, James Vint, Fred Nials, David Dettman and Dirk Baron—Environmental History of an Early Agricultural Period Irrigation Canals Network at Las Capas (Site AZ AA:12:753 [ASM]), Tucson, Arizona
55-j Jane Sliva—Who Goes There? Tracing San Pedro Phase Migration and Social Dynamics in the Borderlands with a Revised Projectile Point Typology
55-k Jenny Waters and Janet Griffitts—Vertebrate Faunal Assemblages and Bone Tool Use in the Early Agricultural Period
55-l Fred Nials—Agriculture at Las Capas: Tales Told by the Canals

**[56] SYMPOSIUM ■ PHOTONS IN THE FIELD: NEW APPROACHES TO THE**

**USE OF PORTABLE X-RAY FLUORESCENCE (PXRF) IN ARCHAEOLOGICAL FIELDWORK**
**Room:** Continental Ballroom Parlor 7
**Time:** 10:45 AM - 12:00 PM
**Chairs:** Mark Horton and Charlotte Goudge

**Participants:**

10:45 Mark Horton—Ethics and In-situ Science
11:00 Charlotte Goudge—The Copper Trade of Hatteras Island
11:15 Alexis Ohman—Exploration in Portable X-ray Fluorescence (pXRF) Applications to Zooarchaeology
11:30 Madeleine Gunter, Nathan Goodale, David Bailey, Ian Kuijt and Ryan Lash—Interpreting Ecclesiastical Mobility: A pXRF Study of Medieval Gravestones in Ireland
11:45 Cory Look, Erin Friedman, Matthew Brown and Reg Murphy—Indian Creek Revisited: The Use of Portable X-ray Fluorescence (pXRF) Soil Analysis to Characterize Areas without Artifacts

**[57] SYMPOSIUM ■ CONFLICT AND SOCIETY IN VIKING AGE SCANDINAVIA**
**Room:** Yosemite B
**Time:** 11:00 AM - 12:00 PM
**Chair:** Ben Raffield

**Participants:**

11:00 Frands Herschend—In Search of Something Better
11:15 Ben Raffield, Neil Price and Mark Collard—The 'Bare Branches' of Scandinavian Society and the Origins of Viking Raiding
11:30 Claire Greenlow, Ben Raffield, Neil Price, Amelia Barker and Mark Collard—Viking Skeletal Remains in Northern Europe: A Survey
11:45 Neil Price—Pirates of the North Sea? The Viking Ship as Political Space

**[58] GENERAL SESSION ■ NEW METHODS IN ARCHAEOMETRY IN MESOAMERICA**
**Room:** Continental Parlor 2
**Time:** 11:00 AM - 12:00 PM
**Chair:** Edgar Leal Hernandez

**Participants:**

11:00 Tawny Tibbits, Ellie Harrison-Buck and Terry Powis—Granite and pXRF: An Experimental Approach to Nondestructive Sourcing of Ground Stone Tools

11:15 Edgar Leal Hernandez, Luis J. Venegas de la Torre and Mario Zimmermann—Chemical Residue and Microbotanical Analyses in the Royal Kitchen at Kabah, Yucatan
11:30 Ludo Snijders and Tim Zaman—Colorful Pictures: Understanding the Material of the Mesoamerican Precolonial Codices
11:45 Adam Sellen—Using X-Radiography to Reveal an Ancient Zapotec Urn

**[59] SYMPOSIUM ■ "DIY DIGITECH" IN ARCHAEOLOGICAL FIELDWORK: INNOVATIVE ADAPTATIONS OF LOW(ER)-BUDGET DIGITAL TECHNOLOGIES**
**Room:** Golden Gate 7
**Time:** 11:15 AM - 12:00 PM
**Chair:** Miriam Kolar
**Participants:**
11:15 Eric Poehler—From Invention to Methodology: The Overlooked "DIY" in Everyday Archaeology
11:30 Benjamin Crowther and Eric Poehler—The Impact of Low-Cost, Low-Tech DIY Approaches at the Pompeii Quadriporticus Project
11:45 Miriam Kolar—DIY Digital Archaeoacoustics: Sensory-Spatial Mapping

**[60] GENERAL SESSION ■ ARCHAEOLOGY OF THE MOCHE**
**Room:** Continental Ballroom Parlor 8
**Time:** 11:15 AM - 12:00 PM
**Chair:** Sally Lynch
**Participants:**
11:15 Aleksa Alaica—Companions or Counterparts: Considering the Role of Animal Depictions in Moche Ceramics from Northern Peru
11:30 Sally Lynch—A Study of Fineline Iconographic Depictions at the Late Moche site of Huaca Colorada, in the Jequetepeque Valley, Peru
11:45 Julio Saldaña and Luis Jaime Castillo Butters—Is it a Priestess? Preliminary Analysis of the Excavations of a Late Moche Chamber Tomb from San Jose de Moro, North Coast of Peru

## Thursday Afternoon ■ April 16, 2015

**[61A] THE ETHICS BOWL**
**Room:** Continental Ballroom Parlor 8
**Time:** 1:00 PM - 3:00 PM

**[61] GENERAL SESSION ■ ZOOARCHAEOLOGY, DIET, AND FOODWAYS AT HISTORIC PERIOD SITES**
**Room:** Continental Parlor 3
**Time:** 1:00 PM - 1:45 PM
**Chair:** Jessica Watson
**Participants:**
1:00 Nicole Mathwich—Beyond the Mission Walls: Faunal Analysis of an Alta California Mission Ranchería Feature
1:15 Sarah Sportman—"Unsavory the Qualities of that Soup": Diet and Foodways at Old New-Gate Prison and Copper Mine, East Granby, Connecticut, 1790–1819
1:30 Jessica Watson, Nathan Hamilton and Robin Hadlock Seeley—Historic Use of Native Avifauna during the Hotel Era (1847–1914) on the Isles of Shoals, Maine

**[62] SYMPOSIUM ■ ONE OF CALIFORNIA'S EARLIEST VISITORS: THE DISCOVERY OF TRANSBAY MAN**
*(Sponsored by William Self Associates)*
**Room:** Golden Gate 2
**Time:** 1:00 PM - 2:00 PM
**Chairs:** James Allan and Aimee Arrigoni
**Participants:**
1:00 Jack Meyer—Holocene Transformation of San Francisco Bay and Transbay Man Site Stratigraphy
1:15 Christina Alonso—Health and Mortuary Analysis of the Transbay skeleton
1:30 R. Varney, Linda Scott Cummings, Peter Kovácik and Barbara Winsborough—A Burial in the Bay: Evidence for Environment and Diet 7500 Years Ago
1:45 Heather Price—Discussant

**[63] SYMPOSIUM ■ PROPER ID REQUIRED: DIFFICULTIES IN DISCERNING PAST IDENTITIES**
**Room:** Golden Gate 4

**Time:** 1:00 PM - 2:15 PM
**Chairs:** Kathryn Whalen, Erin McDonald and Jennifer Shaffer Foster

**Participants:**

1:00 Jennifer Shaffer Foster and T.L. Thurston—The Trip of a Lifetime: Archaeology, Tourism, and Irish-American Identity
1:15 Joshua Heath and David Witt—Reshaping Identities through the Destruction of Artifacts
1:30 Erin McDonald—Re-Use and Recycle: The Various Lives of Prehistoric Monuments
1:45 Kathryn Whalen—Be Our Guest: Tablescapes in Early Modern Ulster
2:00 Britta Spaulding—The Redneck vs. The Humble Farmer: How Popular Imagination Influences Studies on Rural Identity

**[64] GENERAL SESSION ■ ARCHAEOLOGY OF THE PALEOLITHIC IN ISRAEL AND JORDAN**
**Room:** Union Square 1
**Time:** 1:00 PM - 2:15 PM
**Chair:** Deborah Olszewski

**Participants:**

1:00 Bridget Alex, Omry Barzilai and Elisabetta Boaretto—Chronology of Ahmarian and Levantine Aurignacian Occupations of Manot Cave, Israel
1:15 Michael Bisson—Technological, Typological and Forensic Analysis of the Small Finds from the Early Middle Paleolithic Beds at Tabun Cave, Israel
1:30 Deborah Olszewski, Maysoon al-Nahar, Daniel Schyle and Brian Byrd—Wadi Madamagh, Western Highlands of Jordan: Lithic Evidence from the Late Upper Paleolithic and Early Epipaleolithic Occupations
1:45 Ravid Ekshtain, Erella Hovers, Shimon Ilani and Irina Segal—The Use of Geochemical Analysis and Visual Methods for Understanding Raw Material Acquisition around Amud Cave, Israel
2:00 April Nowell and Daniel Stueber—Good Things Come in Small Packages: Acheulian Small Tool Assemblages from the Shishan Marsh site (Jordan)

**[65] SYMPOSIUM ■ IT WAS THE BEST OF TIMES, IT WAS THE WORST OF TIMES: MOBILITY AND SUBSISTENCE IN A TALE OF TWO SITES IN THE**

**SMITH RIVER BASIN OF NORTHWESTERN CALIFORNIA**
**Room:** Golden Gate 6
**Time:** 1:00 PM - 2:30 PM
**Chair:** Kevin Gilmore

**Participants:**

1:00 Kevin Gilmore—Excavations at the Hurdy Gurdy Bridge Site (CA-DNO-1028), a Multicomponent Habitation Site in Northwest California

1:15 Jonathan Hedlund—Lithic Material Sources and Implications for Trade and Travel through the Smith River Basin in Northwest California

1:30 Sean Larmore—Backed Knives and Subsistence Strategies at the Hurdy Gurdy Bridge Site

1:45 Shannon Tushingham—The Evolution of Sociopolitical Organization in Northwestern California

2:00 Kevin Gilmore—Discussant

2:15 Shannon Tushingham—Discussant

**[66] GENERAL SESSION ■ ARCHITECTURE, RITUAL, AND TRADITION**
**Room:** Yosemite B
**Time:** 1:00 PM - 2:30 PM
**Chair:** Kelsey Clardy

**Participants:**

1:00 Sandra Gaskell, Danette Johnson, James Les, Lois Martin and Sis Calhoun—The Rights of Construction Design for Ancient Architecture Wah-ho-ga Village Traditional Ceremonial Structure of the Seven Affiliated Tribes of Yosemite

1:15 John Warner—Rethinking and Refining the Activities Associated with the Monumental Compounds of Jatanca, Peru

1:30 Thomas Pozorski—Ritual Hearth Structures at the Casma Valley Site of Huerequeque: Making a Case for Highland/Coastal Interaction in Initial Period (2100–1000 BCE) Peru

1:45 Kelsey Clardy—The Muscogee (Creek) Nation Council House: A Continuation of Architectural Traditions

2:00 Maria Stapleton and Charles Stapleton—Persistence of Aztec Religious Belief Materialized in the Early Colonial Religious Architecture of the Central Mexican Highlands

2:15 Sarah Wigley, Antonia Figueroa and Laura Levi—Space, Ritual and Production at Wari Camp

**[67] GENERAL SESSION ■ NEOLITHIC AND BRONZE AGE CHINA**
**Room:** Union Square 2
**Time:** 1:00 PM - 2:45 PM
**Chair:** Wenjie Zhang

**Participants:**

1:00 Wenjie Zhang—The Ritual Systerm of the Zhongli King's Bronzes
1:15 Yu Liu and Zhanwei Yue—Casting Technology and Craft Production of Bronze Wares in the Central Plains of China in Late Shang Dynasty (13thBC–11th BC)
1:30 Yitzchak Jaffe—Colonial Developments in a Global Context-Complex Connectivity in the Western Zhou World
1:45 Katrinka Reinhart—Of Kings and Artisans: Comparing Household and Palace-Temple Rituals at Yanshi Shangcheng
2:00 Jim Railey—Bell-Shaped Storage Pits and Social Evolution in the Yuanqu Basin, North China
2:15 Xu Zhang—Gained Bioarchaeological Insight from the Skeletal Human Remains at Dabaoshan, South Central Inner Mongolia, China
2:30 Daniela Wolin, Natasha Osing, Jigen Tang, Yuyun Tang and Lingling Deng—Preliminary Results from the Bioarchaeological Investigation of Human Sacrificial Victims from China's Late Shang Dynasty

**[68] FORUM ■ EVALUATING AND REWARDING 21ST CENTURY ARCHAEOLOGICAL SCHOLARSHIP**
**Room:** Union Square 25
**Time:** 1:00 PM - 3:00 PM
**Moderator:** Sarah Kansa

**Participants:**

Eric Kansa—Discussant
Mary Downs—Discussant
Kristina Killgrove—Discussant
Amy Margaris—Discussant
Darrin Pratt—Discussant
Joshua Wells—Discussant
Hannah Lau—Discussant

**[69] FORUM ■ THE PROSPECTS AND CHALLENGES OF FAUNAL DATA INTEGRATION AND COMPARATIVE ANALYSIS**
**Room:** Golden Gate 1

**Time:** 1:00 PM - 3:00 PM
**Moderator:** Katherine Spielmann
**Participants:**
Keith Kintigh—Discussant
Tiffany Clark—Discussant
Katherine Spielmann—Discussant
Karen Schollmeyer—Discussant
Sarah Neusius—Discussant
Bonnie Styles—Discussant

**[70] FORUM ■ INTEGRATING AND INNOVATING: EFFECTIVE USES OF TECHNOLOGY IN ARCHAEOLOGICAL MANAGEMENT IN MILITARY SETTINGS**
*(Sponsored by Military Archaeological Resources Subgroup (MARS))*
**Room:** Continental Ballroom Parlor 9
**Time:** 1:00 PM - 3:00 PM
**Moderators:** Kristen Mt. Joy and Jake Fruhlinger
**Participants:**
Jake Fruhlinger—Discussant
Shaun Nelson—Discussant
Christopher Parr—Discussant
Mark Smith—Discussant
James Zeidler—Discussant

**[71] FORUM ■ GENDER DISPARITIES IN RESEARCH GRANT SUBMISSIONS**
*(Sponsored by SAA Board of Directors)*
**Room:** Continental Parlor 2
**Time:** 1:00 PM - 3:00 PM
**Moderators:** Barbara Mills and Lynne Goldstein
**Participants:**
Lynne Goldstein—Discussant
Sarah Herr—Discussant
Jo Burkholder—Discussant
John Yellen—Discussant
Leslie Aiello—Discussant
Christopher Thornton—Discussant

**[72] SYMPOSIUM ■ ARCHAEOLOGY AND TOURISM**
**Room:** Golden Gate 5

**Time:** 1:00 PM - 3:15 PM
**Chair:** Ben Thomas

**Participants:**

1:00 Deborah Gangloff—In Defense of Archaeotourism
1:15 Heidi Bauer-Clapp—A Matter of Balance: Opportunities and Challenges in "Difficult" Heritage
1:30 Ben Thomas and Meredith Langlitz—Bridging the Great Cultural Tourism Divide: Working with the Tourism Industry
1:45 Della Scott-Ireton and Jennifer McKinnon—Diving to a Flash of Education: Archaeological Tourism at Maritime Sites
2:00 Jaime Almansa-Sanchez—Ghost Tourists in Gondar: Sustainable Tourism and Archaeological Heritage
2:15 Fran Seager-Boss, Alfred Theodore, Kathryn Krasinski, Brian Wygal and Richard Martin—Public Archaeology at Cottonwood Creek
2:30 Erin Linn—Archaeology as Heritage Resource: Foundations for Successful Archaeological Tourism, Achievements and Challenges from Petra to Angkor
2:45 Linda Stine—Bringing Visitors to State Historic Sites: Remote Sensing and Hands-on Research
3:00 Sarah Surface-Evans and S.K. Haase—Promoting Responsible Heritage Tourism through Public Archaeology at Two Great Lakes Lighthouses

**[73] SYMPOSIUM ■ SIMULPAST—SIMULATING THE PAST TO UNDERSTAND HUMAN BEHAVIOUR**
**Room:** Union Square 13
**Time:** 1:00 PM - 3:15 PM
**Chair:** Marco Madella

**Participants:**

1:00 Carla Lancelotti, Xavier Rubio-Campillo, Matthieu Salpeteur and Marco Madella—Climate, Resources and Strategies: Simulating Prehistoric Populations in Semi-Arid Environments
1:15 Andrea Balbo, Jasmin Link and Jürgen Scheffran—You Go First. An Agent-Based Model of Mating-Migration between Early Farming and Foraging Societies
1:30 Jorge Caro, Maria Pereda, Ivan Briz, Myrian Álvarez and Debora Zurro—Cooperative Practices in Hunter-Fisher-Gatherers from Tierra del Fuego: A Study on Resource Visibility and Social Sharing
1:45 Guillem Frances, Xavier Rubio, Carla Lancelotti, Alexis Torrano and Alex Albore—Embedding Artificial Intelligence in Agent-

Based Models
2:00 Questions and Answers
2:15 Xavier Rubio-Campillo and Enrico Crema—Modelling Group Formation in Small Scale Societies
2:30 Andreas Angourakis, Matthieu Salpeteur, Xavier Rubio-Campillo, Bernardo Rondelli and Sebastian Stride—Land Use Patterns in the Arid Eurasia. Models and Historical Examples
2:45 Joaquim Fort—Neolithic Transitions: Demic or Cultural?
3:00 Debora Zurro—Discussant

**[74] SYMPOSIUM ■ HUMAN ADAPTATIONS TO ENVIRONMENTAL CHANGE DURING THE TERMINAL PLEISTOCENE AND EARLY HOLOCENE - PART 2**
**Room:** Imperial Ballroom A
**Time:** 1:00 PM - 3:30 PM
**Chair:** Clive Bonsall
**Participants:**
1:00 Thijs Van Kolfschoten, Anastasia K. Markova, Andrey Y. Puzachenko, Alexei N. Tikhonov and Pavel A. Kosintsev—Expansion and Extinction: the Collapse of the Mammoth Steppe fauna
1:15 D. Shane Miller, David Anderson and Kelsey Meer—The Pleistocene-Holocene Transition in the Tennessee and Cumberland River Valleys of the Mid-South United States
1:30 Marvin Kay—Breckenridge Shelter, Arkansas and the Younger Dryas
1:45 Jonathan Benjamin—Human Response to Sea-Level Change in the Early Holocene: Examples from the Continental Shelf
2:00 Robin Skeates—Causalities, Time-Scales and Processes of Environmental and Cultural Change in Italy between the Final Upper Palaeolithic and Early Neolithic
2:15 Pablo Arias and Esteban Álvarez-Fernández—By the Seaside: The Role of Marine Resources in Northern Spain from the Late Palaeolithic to the Neolithic
2:30 Javier Fernandez-Lopez De Pablo, Samantha Jones, Magdalena Gómez Puche and Francesc Burjachs—The Impact of the 8.2 kyr cal BP Event on Late Mesolithic Demography in the Central Mediterranean Region of Spain
2:45 Ivana Radovanovic—Correlating Climate Change and Archaeological Record in the Iron Gates Mesolithic
3:00 Maria Gurova and Clive Bonsall—Environmental Change and the Neolithization of Southeast Europe: A Bulgarian Perspective

3:15 Questions and Answers

**[75] SYMPOSIUM ■ CONSTRUCTION OF A COMMUNITY: RECENT FINDINGS FROM CEREN, EL SALVADOR**
**Room:** Continental Ballroom Parlor 7
**Time:** 1:00 PM - 3:45 PM
**Chair:** Christine Dixon

**Participants:**

1:00 Christine Dixon—Sacbe Construction, Agricultural Production, and Community Organization in the Classic Maya Community of Cerén, El Salvador
1:15 Payson Sheets—A Variety of Cerendipitous Discoveries
1:30 David Lentz and Venicia Slotten—Common and Lima Beans (Phaseolus spp.) from Cerén: Wild and Domesticated Germplasm
1:45 Venicia Slotten and David Lentz—Paleoethnobotanical Remains Associated with the Sacbe at the Ancient Maya Village of Cerén
2:00 Theresa Heindel—Xanthosoma violaceum and the Maya Diet: Root Crop Use in Ancient Maya Agriculture
2:15 Alexandria Halmbacher—What Does their Storage Say about Them? An Interpretation of Domestic Storage Practices at the Classic Period Maya Village of Ceren
2:30 Rachel Egan and Payson Sheets —Geostratigraphy, Volcanology, and Chronology at Ceren: Implications of Dating the Ilopango and Loma Caldera Eruptions
2:45 Céline Lamb and Scott R. Hutson—Within and between: A Comparative Discussion of Intra-site Variability and Hinterland Complexity at the Sites of Yaxché, Yucatan and Cerén, El Salvador
3:00 Nan Gonlin—Digging Ceren: Rounding up the Unusual Methods in Mesoamerican Household Archaeology
3:15 Jon Lohse—Discussant
3:30 Linda Manzanilla—Discussant

**[76] SYMPOSIUM ■ CAPITAL, CRAFT, AND CONSUMPTION IN MESOAMERICA AFTER THE SPANISH INVASION**
**Room:** Continental Ballroom 6
**Time:** 1:00 PM - 4:15 PM
**Chair:** Rani Alexander

**Participants:**

1:00 Cynthia Otis Charlton and Patricia Fournier—Conspicuous

Consumption in the Basin of Mexico: Chinese Porcelains as Prestige Markers in the Eastern Teotihuacan Valley
1:15 Patricia Fournier and Bridget M. Zavala—Firing Pots in Durango: Craft Manufacture of Glazed Wares and the Origins of Consumption and Production Inequality in Northern Mexico
1:30 Veronica Velasquez—Potters' Signatures and Changes in the Maiolica Craft from Colonial Mexico as an Expression of the Doctrine of Blood Purity
1:45 Krista Eschbach—Consequences of Warfare, Reforms, and Capitalism in Late Colonial Port of Veracruz, Mexico
2:00 Elizabeth Newman—Landscapes of Labor
2:15 Aileen Balasalle and Judith Zeitlin—Landscape and the Impact of Late Colonial Industrial Agriculture on Indigenous Communities in the Tehuantepec Region of Mexico
2:30 Questions and Answers
2:45 Luisa Escobar and Guido Pezzarossi—Booms, Busts, and Changing (Anti)Market Engagement in Pacific Piedmont Guatemala
3:00 Hector Hernandez—Capitalism and Material Culture of the Poor: Consumption, Reuse, and Discard of Glass Bottles at Hacienda San Pedro Cholul, Yucatan
3:15 James Meierhoff and Joel Palka—Close to the Edge: 19th Century Maya Refugees at Tikal, Guatemala
3:30 Tracie Mayfield—Mahogany and Sugar for Tobacco, Booze, and Salt-Pork: Consumerism and Consumption at 19th-Century Lamanai, Belize
3:45 Rani Alexander—The Gilded Age in Eastern Yucatán, Mexico: The Age of Betrayal or the Rise of the Middle Class?
4:00 Anthony Andrews—Discussant

**[77] SYMPOSIUM ■ AN ARCHAEOLOGIST'S GEOLOGIST: A SYMPOSIUM IN HONOR OF WILLIAM R. DICKINSON**
**Room:** Imperial Ballroom B
**Time:** 1:00 PM - 4:30 PM
**Chairs:** David Burley and Marshall Weisler

**Participants:**
1:00 Sharyn Jones, Justin Cramb and Alison Weisskopf—Mid-sequence colonization and occupation at Nukubalavu, Vanua Levu, Fiji
1:15 David Burley—Paleo-Sea Levels, Bill Dickinson, and Interpretive Modeling for the Lapita Settlement of Fanga 'Uta Lagoon, Kingdom of Tonga

1:30 Christophe Sand, Jacques Bolé, David Baret, André-John Ouetcho and Tautala Asaua—Geological Subsidence and Sinking Islands: The Case of Manono (Samoa)
1:45 Melinda Allen, Alex E. Morrison, Andrew M. Lorrey and Geraldine Jacobsen—Assessing Island Habitability and Land Use on Polynesia's Smallest Islands
2:00 Patrick Kirch—The Mussau Islands Lapita Exchange Network: A Review of Three Decades of Analysis
2:15 Ian Lilley—Lapita—the Australian Connection
2:30 Stuart Bedford, Matthew Spriggs and Richard Shing—"By All Means Let Us Complete the Exercise": The 50 Year Search for Lapita on Aneityum, Southern Vanuatu Comes to a Conclusion
2:45 Scarlett Chiu, David Killick, William Dickinson and Christophe Sand—Connection and Competition: Some Early Insights Gained from Petrographic Studies of New Caledonian Lapita Pottery
3:00 Ethan Cochrane and Timothy Rieth—Petrographic and Geochemical Evidence Reveals the Local Focus of Interaction throughout Samoa's Prehistory
3:15 Michiko Intoh—Clay and Technology: Micronesian Ceramic Tradition
3:30 Kathleen Marsaglia, Scott Fitzpatrick, John Lawrence and Jenni Pavia—From Sea to Shining Sea: The Influence of Bill Dickinson's Pacific Island Ceramic Petrography on Caribbean Research
3:45 Peter Sheppard—The Use of a Bench-top SEM in Ceramic Characterization in Oceania
4:00 Barry Rolett—Marquesan Voyaging during the East Polynesian Archaic Era
4:15 Marshall Weisler, Robert Bolhar, Michel Charleaux, Tyler Faith and Yuexing Feng—Determining Geochemical Variability of Fine-Grained Basalt Sources/Quarries for Facilitating Prehistoric Interaction Studies in Polynesia

**[78] SYMPOSIUM ■ WHAT WAS CHACHAPOYAS?: TOWARDS A CULTURAL GEOGRAPHY OF THE NORTHEASTERN PERUVIAN ANDES**
**Room:** Plaza A
**Time:** 1:00 PM - 4:30 PM
**Chairs:** Anna Guengerich and Warren Church
**Participants:**
1:00 Anna Guengerich—Chachapoya Domestic Architecture: Identity and Interaction within, Across, and Beyond Regional Boundaries

1:15 Inge Schjellerup—Landscapes under Chachapoya and Inca Presence in the Chachapoya Region
1:30 Alfredo Narvaez—Una Nueva Visión del rol de kuélap en el valle del alto utcubamba
1:45 Sonia Guillen, Gilmer Medina and Agustín Rodríguez—Redifining the Chachapoya Territory
2:00 Evelyn Guevara, Antti Sajantila, Jukka Palo and Sonia Guillén—Assessing the Genetic Diversity in the Extant Chachapoya Population from Northeastern Peru Using Uniparental DNA Markers (mtDNA and Y-chromosome)
2:15 Jennifer Marla Toyne, J. Marla Toyne and L. Alfredo Narvaez—The Bravery and Beauty within: Skeletal Analysis of the Ancient Chachapoya People at Kuelap
2:30 James Crandall—The Development of 'Peripheral Communities' in the Eastern Andes
2:45 Armando Anzellini and J. Marla Toyne—Mortuary Variability and Chronology of the Cliff Tombs of La Petaca
3:00 Warren Church—Where was Chachapoyas? A View from the South
3:15 Gary Urton—"Hierarchy, Power, Identity and Time: Building a Khipu Simulacrum of Chachapoya Society at Laguna de los Cóndores"
3:30 Adriana Von Hagen—Tracing Stylistic Influences in Chachapoya Art and Imagery
3:45 Tom Dillehay—Discussant
4:00 Richard Burger—Discussant
4:15 Questions and Answers

**[79] SYMPOSIUM ■ ADVANCES IN THE METHOD AND APPLICATION OF CERAMIC PETROGRAPHY: INTERNATIONAL PERSPECTIVES ON KEY ARCHAEOLOGICAL QUESTIONS PART II**
*(Sponsored by Geoarchaeology Interest Group (GIG) of the SAA)*
**Room:** Plaza B
**Time:** 1:00 PM - 4:45 PM
**Chairs:** Wesley Stoner and Lane Fargher

**Participants:**
1:00 Gareth Perry—Pottery Production in Anglo-Scandinavian Torksey (Lincolnshire): Reconstructing and Contextualising the Chaîne Opératoire
1:15 Donna Roper—Characterizing Eighteenth Century Technological Changes in Pawnee Pottery

1:30 Roberta Mentesana, Peter M. Day, Vassilis Kilikoglou and Simona Todaro—Technological Variability in Ceramics of the Neolithic to Early Bronze Age transition at Phaistos, Crete: An Integrated Approach
1:45 Robert Mason—The Microscopy and Macroscopy of Islamic Lustre wares
2:00 William Gilstrap and Peter M. Day—"A Burden of One's Own Choice is Not Felt": Observing Ceramic Production Technology, Exchange and Consumption in the Late Mycenaean Saronic Gulf
2:15 John Lawrence, Kathleen Marsaglia, Scott Fitzpatrick and Thomas Wake—Preliminary Petrographic Analysis of Ceramics from the Bocas del Toro Archipelago, Panama
2:30 Maria Masucci and Hector Neff—Arybolas, Amphoras and Manteño Ordinario: The Production and Significance of Ecuadorian Transport Vessels
2:45 Questions and Answers
3:00 Clare Burke, Peter Day, Eva Alram-Stern and Katie Demakopoulo—Crafting Choices: Neolithic–Early Helladic II Ceramic Production and Distribution, Midea, Mainland Greece
3:15 Lori Reed and Mary Ownby—In the Land of Lava: Petrographic and Chemical Analysis of Pottery from El Malpais National Monument
3:30 Ann Cordell, Neill Wallis and Thomas Pluckhahn—Ceramic Petrography and Woodland Period Social Interactions in Florida and the Southeastern United States
3:45 Isabelle Druc—Rojo Grafitado is Not Graphite. A Slow-Science Interpretation of the Production of an Andean Ceramic Style
4:00 David Killick and Edwin Wilmsen—Ceramic Petrography, Historical Linguistics and the Bantu Expansion: Tracking the Arrival of the First Pottery-Using Peoples in Northern Botswana
4:15 Edyta Marzec, Peter Day and Katherine Grillo—Petrography of "Nderit" Pottery from Pastoral Neolithic Sites Surrounding Lake Turkana in Kenya
4:30 Veronica Testolini—Cooking Vessels of the Early Medieval Village of Miranduolo, Tuscany: A Petrographic Study

**[80]** **SYMPOSIUM ■ ISSUES IN BUILDING RADIOCARBON CHRONOLOGIES**
**Room:** Yosemite C
**Time:** 1:00 PM - 4:45 PM
**Chairs:** Andrew Martindale, David Wright and Jangsuk Kim
**Participants:**

1:00 David Wright—Accuracy vs. Precision: Understanding Potential Errors from Radiocarbon Dating on African Landscapes
1:15 Seonho Choi, Jangsuk Kim, Jaeyong Lee, Chuntaek Seong and Jaehoon Hwang—On the Precision and Accuracy of Radiocarbon Dating
1:30 Jangsuk Kim—Demographic Dynamics Inferred from Radiocarbon Dates and Sampling Biases
1:45 Colin Grier, Eric McLay and Michael Richards—In Twos and Threes: Dating Multiple Samples and Materials to Address the Marine Reservoir Effect
2:00 David Thulman—The Use of Bayesian Statistics to Increase Both Precision and Accuracy in Radiocarbon Dating
2:15 Jaeyong Lee, Youngseon Lee and Jangsuk Kim—Bayesian Analysis of the Uncertainty in Radiocarbon Dating Measurements
2:30 Michael Waters—Building a Meaningful First Americans Radiocarbon Chronology
2:45 Kenichi Yano—Demographic Fluctuation in Jomon Period of Japan
3:00 Kenneth Ames, Andrew Martindale, Kevan Edinborough, Kisha Supernent and Bryn Letham—Dating Pacific Period Settlement Pattern Dynamics in the Prince Rupert Harbor Region of Northern British Columbia
3:15 Kevan Edinborough—Modelling Village Development in the Prince Rupert Harbour
3:30 Chuntaek Seong and Jae Hoon Hwang—Late Neolithic to Early Bronze Age Transition in Korea: Implications from the Evaluation of Radiocarbon Dates
3:45 Patrick Dolan and Colin Grier—Reconstructing Settlement Histories Using Simulations and Calibration of Radiocarbon Dates: An Example from a Plankhouse Village in Southwestern British Columbia, Canada
4:00 Thomas Brown, Kevan Edinborough and Kenneth Ames—Exploring Settlement and Mobility Pattern Changes Using Radiocarbon Databases
4:15 Andrew Martindale, Matthew Betts, Michael Blake, Nicholas Jakobsen and Ryan Wallace—The Revival of the Canadian Archaeological Radiocarbon Database (CARD)
4:30 Steven Forman—Assessing the Accuracy and Precision of OSL Dating Against Well Vetted Radiocarbon Ages

**[81] SYMPOSIUM ■ WORLDS FOREVER CHANGED: THE IMPACT OF**

**CONFLICT AND COLONY IN THE "NEW WORLD"**
**Room:** Golden Gate 3
**Time:** 1:00 PM - 4:45 PM
**Chair:** Matthew Schmader

**Participants:**

1:00 Matthew Schmader—Discussant
1:15 Meghan Howey, Karen Alexander, Courtney Mills, Adreinne Kovach and Beverly Johnson—Seas of Change: Overfishing and Colonial Encounter in the Gulf of Maine
1:30 Christopher Rodning, Robin Beck and David Moore—Conquistadores, Colonists, and Chiefdoms in Northern La Florida: Artifacts and Architecture at the Berry Site in Western North Carolina
1:45 Matthew Schmader—"They Had So Many Stones to Hurl": Evidence of Inter-Indigenous Conflict on the Vázquez de Coronado Expedition, 1540–1542
2:00 Michael Bletzer—A'tzi-em and Po-ya-o-na: Archaeological and Historical Insights into the Native-Spanish Encounter in New Mexico's Piro Province, 1581–1681
2:15 Matt Liebmann—In the Shadow of the Moor: An Archaeology of Pueblo Resistance in Colonial New Mexico
2:30 Elizabeth Oster and Michael Elliott—The Geopolitics of Conquest: The Mixtón War and the Caxcan Diaspora
2:45 Angélica María Medrano—The Caxcans of Nueva Galicia, Nahua Warriors of the Northern Mesoamerican Frontier
3:00 Alan Avila-Ortiz, Patricia Fournier and Patricia Kouvatsou—Symbols of the Spanish Conquest: Early Colonial Period Figurines from the Basin of Mexico and the Michoacán
3:15 John Pohl—Pre-Columbian Exchange Systems and the Colonization of Northern New Spain
3:30 Melissa Murphy—First Contact: Friend or Foe?
3:45 Steven Wernke and Teddy Abel Traslaviña—Ordering Buildings, Building Order: Place Production in a Planned Colonial Town in Highland Peru
4:00 Zachary Chase—The (Beginning and) End of the World as We Know It: The Multiple Makings and Un-Makings of the Indigenous Past in Huarochirí, Peru
4:15 Questions and Answers
4:30 Charles Ewen—Discussant

**[82] SYMPOSIUM ■ THE "NEOLITHIC HOUSE": WORLDWIDE COMPARISONS**

**Room:** Union Square 14
**Time:** 1:00 PM - 4:45 PM
**Chairs:** Petr Kvetina and Thomas Rocek

**Participants:**

1:00 Anna Belfer-Cohen and Nigel Goring-Morris—Reflections on the Origins of the Neolithic "House" in the Near East
1:15 Ian Kuijt—Where We Sleep: Ethnoarchaeological Perspectives on the Near Eastern Neolithic House and Households
1:30 Jean-Paul Demoule—The Neolithic House, from Anatolia to Central Europe
1:45 Ivan Pavlu and Petr Kvetina—Development and Idea of Neolithic Longhouses in Middle Europe
2:00 Anick Coudart—European Neolithic Houses & New-Guinean Contemporary Houses: Toward a Material Culture Theory
2:15 Christian Peterson, Robert Drennan and Adam Berrey—Patterns of Household Refuse and Socioeconomic Differentiation: A Comparative Analysis
2:30 Junko Habu—Jomon Pit-Dwellings, Sedentism, and Food Diversity
2:45 Questions and Answers
3:00 John Clark—The Transition to Home Living in Middle America
3:15 Julian Salazar and Jordi A. López Lillo—Early Village Dwellings and the Reproduction of South Andean Formative Communities
3:30 Thomas Rocek—Which Neolithic House? Pithouses and Pueblos in the U.S. Southwest.
3:45 Kellam Throgmorton and Richard Wilshusen—A Historical-Processual Approach to Household Architecture in the Northern U.S. Southwest
4:00 Brian Byrd—The Neolithic Houses of California—An Ethnohistoric Comparative Perspective on Household and Community Organization among Complex Hunter-Gatherers
4:15 Dean Snow—The Neolithic Transition in Northern Iroquoia
4:30 Emily Shepard, Kisha Supernant, Kenneth M. Ames and Andrew Martindale—Changing House Forms on the Northwest Coast of North America

**[83] SYMPOSIUM ■ PRESERVATION, PROTECTION, AND OUTREACH PROGRAMS IN NATIONAL PARK SERVICE ARCHAEOLOGY**
**Room:** Continental Parlor 1
**Time:** 1:00 PM - 4:15 PM
**Chair:** David Gadsby

**Participants:**

1:00 Marcy Rockman—A National Strategic Vision for Climate Change and Archaeology
1:15 Mary Carroll—25 Years of NAGPRA in the National Park Service
1:30 Dawn Bringelson—Dealing with Reality: Managing Education at the National Park Service-Midwest Archeological Center
1:45 Mary Furlong Minkoff and Teresa Moyer—The Urban Archaeology Corps 2014: Rethinking Youth Employment in the National Park Service
2:00 Barnet Pavao-Zuckerman and Trica Oshant Hawkins—Linking Hispanic Heritage through Archaeology (LHHTA): Engaging Latino Youth with Our National Parks
2:15 Karen Mudar and Leah Burgin—The Listing of Outlaw Treachery (LOOT) Federal Clearinghouse: 35 Years of Data
2:30 Todd Swain—Legal Issues Concerning Cultural Heritage Resources Damage Assessments
2:45 David Gadsby—The National Park Service Archeology Program Role in Protection and Management of International Cultural Heritage
3:00 Kirstie Haertel—The WHY and HOW of Integrating Archaeological Findings into Wildlife Management Efforts
3:15 Travis Doering, Lori Collins and Margo Schwadron—Digital Preservation and 3D Technology Strategies for the Management, Protection, and Interpretation of the Only Existing American Revolutionary War Tunnel: Developments from the 3D Documentation Project at Ninety Six National Historic Site, South Carolina
3:30 Lori Collins, Travis Doering and Margo Schwadron—Progressive Partnerships for Heritage Preservation: 3D Immersive Learning, Documentation and Research Tools in our Nation's Park System
3:45 Stanley Bond—Discussant
4:00 Questions and Answers

**[84] SYMPOSIUM ■ SIMULATING SOCIAL COMPLEXITY TO UNDERSTAND THE ARCHAEOLOGICAL PAST**
**Room:** Union Square 21
**Time:** 1:00 PM - 4:45 PM
**Chairs:** Iza Romanowska and Stefani Crabtree

**Participants:**
1:00 Mark Lake—Discussant
1:15 Philip Fisher and Luke Premo—A Spatially Explicit Model of

Lithic Raw Material Composition in Archaeological Assemblages
1:30 Benjamin Davies—Simulating Late Holocene Landscape Use and the Distribution of Stone Artefacts in Arid Western New South Wales, Australia
1:45 Iza Romanowska and Seth Bullock—Testing the Variability Selection Hypothesis on Hominin Dispersals—a Multi-Agent Model Approach
2:00 Matt Grove—Climatic Variability and Hominin Dispersal: The Accumulated Plasticity Hypothesis
2:15 Colin Wren—Humanizing Wave of Advance Dispersal Models
2:30 Stefani Crabtree, R. Kyle Bocinsky and Timothy A. Kohler—Alliances, Coalitions, Hierarchies and Conflict in the Ancestral Pueblo World
2:45 John Murphy, Louise Purdue and Maurits Ertsen—Changing Channels: Simulating Irrigation Management on Evolving Canal Systems for the Prehistoric Hohokam of Central Arizona
3:00 Isaac Ullah and C. Michael Barton—Complexity in Space and Time: Spatio-Temporal Variability and Scale in Simulations of Social-Ecological Systems
3:15 Rachel Opitz—Modeling Behavior in Digital Places Using Low-Level Perceptual Cues
3:30 Devin White—Reconstructing Large-Area Ancient Transportation Networks to Support Complexity Research
3:45 Shawn Graham and Tom Brughmans—Many Roman Bazaars: Exploring the Need for Simple Computational Models in the Study of the Roman Economy
4:00 Enrico Crema—Empirical Validation and Model Selection in Archaeological Simulation
4:15 Questions and Answers
4:30 Tim Kohler—Discussant

**[85] SYMPOSIUM ■ COMMUNITIES THROUGH TIME: SOCIETAL CONTINUITY AND TRANSFORMATION IN THE NORTHERN SAN JUAN REGION**
**Room:** Franciscan AB
**Time:** 1:00 PM - 4:45 PM
**Chair:** Kristin Kuckelman

**Participants:**
1:00 Joan Coltrain and Joel Janetski— Radiocarbon and the Stable Isotope Chemistry of Grand Gulch Basketmaker II Burials: Age-Based Dietary Patterning and Geolocation.
1:15 Jonathan Till and Winston Hurst—The Bluff—Twin Rocks Community: Community Formation, Persistence and Evolution

in the Northwestern San Juan Region
1:30 Shanna Diederichs, Grace Erny and Aryel Rigano—Architectural Specialization in Basketmaker III Proto-Villages
1:45 Tanachy Bruhns—An Examination of Spatial Relationships Using GIS Data from the Basketmaker Communities Project
2:00 James Potter—Cowboy Wash Pueblo and Community Organization on the Southern Piedmont of Sleeping Ute Mountain
2:15 Grant Coffey and Susan Ryan—The Changing Scale of Integrative Pueblo Communities in the Northern San Juan Region: Basketmaker III through Pueblo III
2:30 Kari Schleher, Jamie Merewether and Grant Coffey—Material Culture of Communities: Temporal and Spatial Patterns in the Material Culture of the Goodman Point Community
2:45 Lara Noldner—Isolated Human Remains from the Central Mesa Verde Region: Taphonomic Distribution Patterns Across Sites
3:00 Christy Winstead, Amy Hoffman, Laura Ellyson and Steve Wolverton—Turkey Domestication and Utilization in an Ancestral Puebloan Community
3:15 Laura Ellyson and Steve Wolverton—Lagomorph Exploitation and Garden Hunting in the Northern San Juan Region
3:30 Jonathan Driver and Karen Schollmeyer—Intensive Archaeological Sampling for Fine-Grained Resolution of Human-Environment Relationships: Fauna from the Sand Canyon Locality and the Central Mesa Verde Region
3:45 Susan Smith, Karen Adams and Kristin Kuckelman—Five Hundred Years of Plant Use in the Sand Canyon Locality, Southwestern Colorado
4:00 Laurie Webster—The Art of Footwear, Footwear as Art: Thirteen Hundred Years of Twined Sandal Production in the Northern Southwest
4:15 Donna Glowacki, Kay Barnett and Joel Brisbin—Spruce Tree House: The Social History of a Thirteenth-Century Cliff Dwelling
4:30 William Lipe—Discussant

**[86] SYMPOSIUM ■ CIRCULATION OF PEOPLE, THINGS & IDEAS: PRACTICES OF MOBILITY IN THE UPPER USUMACINTA BASIN**
**Room:** Franciscan CD
**Time:** 1:00 PM - 4:45 PM
**Chairs:** Nicoletta Maestri and Rodrigo Liendo
**Participants:**
1:00 Ronald Canter—The Upper Usumacinta Travel Corridor, A

Game of Chutes and Ladders
1:15 Mario Aliphat—El paisaje natural de la Cuenca del Alto Usumacinta
1:30 Whittaker Schroder, Charles Golden, Andrew K. Scherer and Jeffrey Dobereiner—Stop and Go Traffic: Power, Movement, and Emplacement in the Piedras Negras and Yaxchilan Kingdoms
1:45 Dmitry Belyaev, Alexander Safronov and Alexandre Tokovinine—Captives, Messengers, Pilgrims, Refugees, Wives: Classic Maya Written Accounts on Travel in the Upper Usumacinta
2:00 Armando Anaya Hernandez and Pascual Izquierdo Egea—Show Me What You Have and I'll Tell You Who You Stick Around with: A Model of Economical-Political Interaction in the Upper Usumacinta
2:15 Nicoletta Maestri and Arianna Campiani—Any Port in a Storm: Identifying Port Infrastructure and Architecture in the Upper Usumacinta
2:30 Brigitte Kovacevich—The Materiality and Mobility of Jade in the Upper Usumacinta Basin
2:45 Flavio Silva De La Mora and Rodrigo Liendo —Understanding the Local Communities through the Study of Lithics and Communication Routes in the Northwestern Maya Lowlands during the Classic Maya: Recent Studies in the Region
3:00 Luis Nuñez—Regional Distribution of Mortuary Domestic Rituals in the Upper Usumacinta Basin: A Burial Practice Comparison from the Palenque Region and Its Neighboring Areas during the Late Classic
3:15 Rodrigo Liendo and Esteban Miron—Territorial Attachments and Border Formation in the Upper Usumacinta River Basin Discussing Ceramic Mobility within a Fractured Political and Geographical Landscape
3:30 Ronald Bishop, Socorro Jiménez and Erin Sears—Volcanic Ash in the Ceramics of the Greater Palenque Region and Usumacinta Drainage, Chiapas and Tabasco, Mexico
3:45 David Webster—Discussant
4:00 Patricia McAnany—Discussant
4:15 James Snead—Discussant
4:30 Questions and Answers

## [87] SYMPOSIUM ■ FROM TAPHONOMY TO HUMAN ECOLOGY: PAPERS IN HONOR OF GARY HAYNES

**Room:** Continental Ballroom 4
**Time:** 1:00 PM - 5:00 PM
**Chairs:** Kelly Graf, Chrissina Burke and Kathryn Krasinski

**Participants:**

1:00 Nohemi Sala and Juan Luis Arsuaga—Taphonomy and Actualistic Studies of Carnivores: Applications to Understanding Sima de los Huesos (Atapuerca) and Other Pleistocene Sites in Spain

1:15 Jarod Hutson—Assessing Hominin Involvement with the Faunal Assemblages from Bundu Farm and Pniel 6, Northern Cape, South Africa

1:30 Geoff Smith—Re-Evaluating the Evidence for Systematic Exploitation of Mammoth during the European Middle Palaeolithic

1:45 Piotr Wojtal and Jaroslaw Wilczynski—Scenes of Spectacular feasts: Gravettian Hunters' Sites in Central Europe

2:00 Kathryn Krasinski—Towards a Multivariate Model for Accurately Identifying Cutmarks

2:15 Luis Borrero, Fabiana María Martin and Francisco J. Prevosti—The Fossil Signature of Late Pleistocene Patagonian Carnivores

2:30 Chrissina Burke—Bison Killsites and Carnivore Utilization: A Discussion of Prehistoric Human Impacts to Scavenging Carnivores and the Implications for Conservation Management

2:45 Kelly Graf—Humans on the Siberian Mammoth Steppe

3:00 George Scott and Roman Schomberg—Sinodonty and/or Sundadonty: Revisiting the Three-Wave Model for the Peopling of the Americas

3:15 Stuart Fiedel—The Spore Conundrum: Does a Dung Fungus Decline Signal Humans' Arrival in the Eastern U.S.?

3:30 Nicole Waguespack—When Charismatic Megafauna Meet: The Relationship between Archaeologists and Proboscideans in North America

3:45 Daron Duke—Haskett Spear Points and the Plausibility of Megafaunal Hunting in the Great Basin

4:00 Brian Wygal—Three Phases of Initial Human Colonization in Southern Alaska

4:15 Ted Goebel—The Millennium before Clovis in Alaska

4:30 Anna Camp—A Twist on Taphonomy: Catlow Twine Basketry in Archaeological Contexts

4:45 Teresa Wriston and Gary Haynes—Environmental Conditions of Northwestern Zimbabwe during the Transition from Foraging to Farming: Using Isotopes, Sediments, and Soils to Reconstruct Late Holocene Climate Change in Hwange National Park

**[88] SYMPOSIUM ■ RECONSIDERING THE "EPIC" IN THE MESOAMERICAN EPICLASSIC PERIOD PART 2: INTERREGIONAL INTERACTIONS**
**Room:** Continental Ballroom 5
**Time:** 1:15 PM - 4:15 PM
**Chair:** Andrew Turner

**Participants:**

1:15 Traci Ardren—Discussant
1:30 Andrew Turner—Religion, Ritual, and Ideology in Epiclassic Highland Mexico
1:45 Brigitte Faugere—The Bajio (Guanajuato/Michoacan) during Epiclassic: Cultural Assertion and Macro-regional Interaction
2:00 Christophe Helmke, Jesper Nielsen and Ángel Iván Rivera Guzmán—Tracing the Footsteps of the Mapa Tradition in the Central Mexican Highlands
2:15 J. Heath Anderson—Cerro Magoni: A Link between Epiclassic Tula and the Bajío?
2:30 Christina Halperin—Cosmopolitanism: New Theoretical Considerations of the Mesoamerican Epiclassic
2:45 Questions and Answers
3:00 Jesper Nielsen and Christophe Helmke—Bellicose Relations between Cacaxtla and Xochicalo in the Epiclassic Period
3:15 Cynthia Kristan-Graham—The Form and Function of Lineage: Council Houses in Epiclassic Mesoamerica
3:30 Bryan Just—Incoherent internationalism: Mayoid Elements in the Art of South-Central Veracruz
3:45 Angel González López—The Epiclassic from the Mexica Perspective: Stone Sculpture Evidence
4:00 Kenneth Hirth—Discussant

**[89] SYMPOSIUM ■ MICRO-WORLDS, MATERIALITY AND HUMAN BEHAVIOUR: MAGNIFYING MATERIAL SCIENCE IN EXPLANATIONS OF TECHNOLOGY**
**Room:** Golden Gate 7
**Time:** 1:15 PM - 4:30 PM
**Chairs:** Miljana Radivojevic, Michael Charlton and Marcos Martinon-Torres

**Participants:**

1:15 Miljana Radivojevic—Paint It Black: The Rise of Metallurgy in the Balkans
1:30 Daniel Sahlen—Non-Ferrous Casting Molds and Technical

Logic: What Can the Technical Differences between the Bronze Age and Iron Age Molds Tell Us about the Technological Development of Metalworking?

1:45 Michael Charlton—Immanence, Configuration and the Bloomery Ironmaking Process: Identifying Behavioural Opportunities from Physical Constraints

2:00 Marcos Martinon-Torres, Andrew Bevan, Xiuzhen Janice Li, Yin Xia and Kun Zhao—Chemical Analyses and Copy-Errors: Technological Control and Artistic Behaviour in the Making of China's Terracotta Army

2:15 Brett Kaufman—Behavioral Metallurgy of the Phoenicians, Carthaginians, and Neo-Punic Peoples

2:30 Ian Freestone—Microanalytical Perspectives on the Evolution of Glass-making Technologies

2:45 Erik Gjesfjeld—Archaeometric Analysis of Hunter-Gatherer Pottery from Northeast Asia

3:00 Silvia Amicone, Patrick Quinn, Miljana Radivojevic and Thilo Rehren—On the Transmission of Pottery Recipes at the Dawn of the Metal Age: A Case Study from Pločnik and Belovode

3:15 Gillian Juleff—Does Practice Make Perfect? Is it Possible to Read Technological Development in the Actions and Outputs of Individual or Group Practitioners?

3:30 Marija Radovic and Kevan Edinborough—Teeth as tools: Paramasticatory Dental Modifications Reflecting Habitual Behavior in the Danube Gorges, Serbia (9500–5500 B.C.)

3:45 Kevin Gibbs—Inclusions and Innovations in Late Neolithic Pottery from the Southern Levant

4:00 Michael O'Brien—Discussant

4:15 Questions and Answers

**[90] GENERAL SESSION ■ PRACTICES AND PRODUCTS OF CULTURAL RESOURCE MANAGEMENT IN NORTH AMERICA**

**Room:** Golden Gate 8
**Time:** 1:30 PM - 4:30 PM
**Chair:** Nicholas Laluk

**Participants:**

1:30 Mark Slaughter and Jon Czaplicki—Black Mesa Cultural Resources: An Update

1:45 David Yoder—Interpreting the Fifty-Year Rule: How A Simple Phrase Leads to a Complex Problem

2:00 Rebekah Kneifel, Rachel Loehman, Connie Constan and Jim Reardon—Fuel Treatment Guidelines to Reduce Wildfire

Damages to Ceramic Artifacts in the American Southwest

2:15 J. Javi Vasquez, Kaleb Taluban and R.M. McCoy—Managing 50,000 Acres of Private Land in Texas: Results of a Recent 2,000 Acre Pedestrian, UAV, and Vegetation Survey in the Sierra Diablo Mountains

2:30 Nicholas Laluk, Sarah Cowie and Ben Curry—Archaeological Collaboration in North America: Are "Benefits" to American Indian Communities truly being maximized?

2:45 Sarah Morgan—Utilizing Visual Resource Management to Assess Effects on Historic Properties; Working within the BLM VRM Framework

3:00 Theron Isensee, Christopher Webster and Roger Werner—The Benefits of Virtual Offices for a 21st Century Cultural Resource Management Consulting Firm

3:15 Stephen Nash and Michele Koons—The Pine Lawn-Reserve Area Archaeological Project: Results and Prospects

3:30 Steven Katz and Addison Kimmel—Addressing Anthropogenic Safety Concerns in the Archeological Workplace: A Case Study

3:45 Peter Timmins—Beach Ridges, Sand Dunes and Buried Sites: Recent CRM Investigations at Inverhuron, Ontario

4:00 Jessica Ericson, Julie Esdale and Whitney McLaren—Creative Mitigation: Archaeological Site Monitoring on Military Lands in Central Alaska

4:15 Sean McMurry, Opal Adams and Richard DeLong—I Can See Clearly Now!: Successfully Implementing Visual Analysis into Cultural Resource Management Projects

**[91] POSTER SESSION ■ GLOBAL STUDIES OF OBSIDIAN: ANALYTICAL TECHNIQUES AND ARCHAEOLOGICAL INTERPRETATIONS**

**Room:** Grand Ballroom A

**Time:** 2:00 PM - 4:00 PM

**Participants:**

91-a Sarah Grant, Tristan Carter, Vecihi Özkaya and Metin Kartal—From Hunter-Gatherer to Nascent Farmer: Traditions of Obsidian Consumption At Epi-Palaeolithic–PPNA Körtik Tepe (SE Turkey)

91-b Christopher Swoger—Obsessively Opacifying Obsidian: Adapting Three Dimensional Laser Scanning Techniques

91-c Jessica Morgan and Tristan Carter—Obsidian Source Selection in the Early Bronze Age Cyclades

91-d Kathryn Campeau, Tristan Carter, Yosef Garfinkel, Danny Rosenberg and Katharina Streit—Long-Term Perspectives from Obsidian Sourcing in the Southern Levant

91-e Sonja Kassa, Anne Parfitt and Patrick McCutcheon—Selective Conditions for Obsidian Stone Tool Manufacture and Use in Central Washington State
91-f Richard George, Claire E. Ebert, Sarah B. McClure, Barbara Voorhies and Douglas J. Kennett—Archaic and Formative Period Obsidian Exchange on the coast of Guerrero, Mexico
91-g Kristine Martirosyan-Olshansky—Provenance Study of Obsidian Artifacts from the Neolithic Settlement Masis Blur (Armenia) Using Portable X-ray Fluorescence Spectrometry
91-h M. Shackley and Leah Morgan—Elemental and Isotopic Variability in Mogollon-Datil Province Archaeological Obsidian, Western New Mexico
91-i Sean Dolan—Black Rocks Beyond the Border: Obsidian in the Casas Grandes World
91-j Richard Higgins—Pre-Classic Obsidian in the Northern Tucson Basin
91-k Laura Salgán, Paz Pompei, Adolfo Gil and Gustavo Neme—Technological Approach of Obsidian Sources in North Patagonian: Comparative Studies between Plain and Highlands Sources

**[92] POSTER SESSION ■ LITHIC MATERIALS AND TECHNOLOGIES IN NORTH AMERICA**
**Room:** Grand Ballroom A
**Time:** 2:00 PM - 4:00 PM

**Participants:**

92-a Tiffany Fulkerson and Adam Rorabaugh—Timing the Introduction of Arrow Technologies in the Salish Sea
92-b Lauren Cook—Spatial and Temporal Analyses of Redeposited Projectile Points from McFaddin Beach, Texas
92-c Micah Stimson, Nathan Goodale, David G. Bailey and Alissa Nauman—Elemental and Microscopic Characterization of Quartzite Stone Discs and Knives from the Slocan Narrows Pithouse Village, Upper Columbia River Region
92-d Cannon Daughtrey, Jesse Ballenger, Matthew Pailes and Francois Lanoe—A Place to Pause: Investigations at the St. Mary Bridge Site (24GL203), Glacier County, Montana
92-e Jerry Galm, Stan Gough and Fred Nials—Haskett Biface-Point Production and Occupation of the Pacific Northwest and Northern Great Basin at the Pleistocene-Holocene Boundary
92-f Madeline Van Der Voort—An Analysis of an Early-to-Mid Holocene Projectile Point Assemblage from Little Steamboat

Point Rockshelter, Warner Valley, Oregon

92-g Stephanie Bosch and P. Nick Kardulias —Lithic Raw Material Procurement at the Multicomponent Prehistoric Wansack Site (36ME61), Mercer County, Pennsylvania: Evidence for Mobility and Trade Patterns through XRF Data

92-h David Davis, Patrick Lewis and Patrick McCutcheon—The Effects of Sampling by Size Class on the Organization of Technology at the Sunrise Ridge Borrow Pit Site (45PI408), Mt. Rainier National Park, Washington

**[93] POSTER SESSION ■ SOCIAL CONTEXTS OF ARCHAEOLOGICAL PRACTICE IN THE FIELD, LAB, AND CLASSROOM**
**Room:** Grand Ballroom A
**Time:** 2:00 PM - 4:00 PM

**Participants:**

93-a Allison Parrish—Independent Women: A Story of Gender and Agency in the Colorado Rockies

93-b Susan Harris, Rainer Schreg, Corina Knipper and Lynn Fisher—Communities of Archaeological Inquiry: Documenting a German Neolithic Landscape in Cooperation with Avocational Archaeologists

93-c Amalia Perez-Juez, Ricardo J. Elia and Meredith Langlitz—Archaeological Field schools: Teaching Heritage Management. An Example from Menorca

93-d Sara Belkin and Jennifer Wildt—High School Students, Archaeology, and Public Outreach

93-e Lindsay Randall, Ryan Wheeler and Joel Jacob—Statistics—It's a Sherd Thing: Archaeology in a High School Math Class

93-f Anthony Sinclair—Mapping Archaeological Research 2004–2013: A Network of Sources, Authors and Concepts

93-g Mario Battaglia and John Murray—Assessing the Efficacy of Lesson Modules as a Public Education and Outreach Strategy for Archaeology

93-h Anna Forringer-Beal, Polina Hristova and Jason De León—A Story Told Two Ways: Exploring the Intersectionality between the Archaeological Record and Social Context of Undocumented Female Migrants

93-i Jamie Civitello—Earthwatch at the Valles Caldera National Preserve: Building a Successful Volunteer Research Partnership with Obsidian, Quarries, Soil, and More!

93-j Natalie Faught—These Stones Will Destroy Us

**[94] POSTER SESSION ■ MUSEUMS AND COLLECTIONS**
**Room:** Grand Ballroom A
**Time:** 2:00 PM - 4:00 PM

**Participants:**

94-a Matthew Magnani, Matthew Douglas and Samantha Porter—Low-Cost Collection Digitization: Streamlining Photogrammetric Methodologies

94-b Larkin Hood—"A True Sign of Learning": What College Students Learn About Teaching and Learning from a Museum Docent Program

94-c Abigail Heller and Mary Schmidt—Combatting the Curation Crisis in North Carolina

**[95] POSTER SESSION ■ ARCHAEOLOGY IN COMMUNITIES: HERITAGE, PRESERVATION, AND ENGAGED ARCHAEOLOGIES**
**Room:** Grand Ballroom A
**Time:** 2:00 PM - 4:00 PM

**Participants:**

95-a Nicole Raslich—Indigenous Perspectives On Cultural Heritage Management And Preservation

95-b Candice Brennan, Jennifer McElhoes, Cindi Alvitre and Carl Lipo—Best Practices and Community Engagement for Reinternment of CA-LAn-270 (Los Altos Village) Cultural Materials on a National Registry Listed Site

95-c Marsha Fulton and Crystal Alegria—Making History Personal: Community-Focused Archaeology in the Nevada City Cemetery, Nevada City, Montana

95-d Mary Compton, Ryan Hunt and Kimberly Martin—Taking Tech on the Road: Mobile Makerspaces and Archaeological Engagement

95-e Rachael Aleshire and Olivia Navarro-Farr—Building and Debating National Identity: Three Case Studies of the Ownership of Ancient Artifacts

95-f Joni Manson—Zoning Regulations and Comprehensive Plans: Bringing Historic Preservaion Home

95-g Virginia M. OBoyle, Erich Longie, Conrad Fisher, Jason Brown and Robert O'Boyle—CRM as Heritage in Communities on the Great Plains: Northern Cheyenne and Spirit Lake Nations

95-h Lindsay Johansson, Sara Cullen, Kaitlyn Davis, Rachel Egan and Scott Ortman—Engaged Anthropology at Cuyamunge, New Mexico

95-i Nicole Arendt—Learning from the Past: Cinder Mulch Agriculture

Past and Present

95-j Elizabeth Cruzado Carranza—Archaeology Not Only for Archaeologists: Examples of Integration of Archaeology and Rural Communities in Perú

95-k Erin Hogg and John R. Welch—Research Excellence + Business Competence = Success: A Proposed New M.A. Program in Heritage Resource Management at Simon Fraser University

95-l Mini Sharma Ogle, Jamie Young and Amanda Childs—Effective Public-Centered Approach to Compliance work—Case Study of the Angoon Airport Project, Alaska

**[96] POSTER SESSION ■ COMPARATIVE ARCHAEOLOGY OF URBAN SITES**
**Room:** Grand Ballroom A
**Time:** 2:00 PM - 4:00 PM

**Participants:**

96-a Jacqueline Fox—Comparative Social Inequality and Class Structure in Ancient Cities

**[97] POSTER SESSION ■ CRM, KINTEEL, AND THE COMMUNITY OF WIDE RUINS**
**Room:** Grand Ballroom A
**Time:** 2:00 PM - 4:00 PM
**Chair:** Kerry Thompson

**Participants:**

97-a Kerry Thompson— “Soundcheck”: On the Status of Native American Oral Histories in Archaeological Practice

97-b Johna Hutira—The Public Benefit of Archaeology: An Economic Perspective from the Wide Ruins Community

97-c Donelle Huffer—Ceremonially and Ritually Associated Archaeofaunal Remains from Two Sites Near Wide Ruins, Arizona

97-d Eric Cox—To Retest or Not To Retest: A Case Study at Wide Ruins

**[98] POSTER SESSION ■ PROJECT ARCHAEOLOGY STATE PROGRAM HIGHLIGHTS: CELEBRATING 25 YEARS**
**Room:** Grand Ballroom A
**Time:** 2:00 PM - 4:00 PM
**Chair:** Sarah Miller

**Participants:**

98-a Lynn Alex and Elizabeth Reetz—Enhancing Archaeology Education and Outreach in Iowa through Project Archaeology

98-b Ryan Howell, Meghan Forney, Holly L. Andrew and Stephanie Stutts—Trials, Tribulations, and Triumphs of Bringing Project Archaeology to Oklahoma

98-c Sarah Miller—Project Archaeology in Florida: Teaching and Understanding Slavery at Kingsley Plantation

98-d Rebecca Simon, Dani Hoefer and Sarah Baer—Colorful Collaboration in Colorado: Recent Work by the Project Archaeology Colorado Chapter

98-e Lauren Ritterbush and Virginia A. Wulfkuhle—The Power of National and State Engagement for Archaeology Education in Kansas

98-f Nancy Mahoney and Crystal Alegria—Montana Project Archaeology: Best Practices from a Teacher–Student Field School Collaboration in Virginia City, Montana

**[99] POSTER SESSION ■ TEACHING ARCHAEOLOGY IN THE TWENTY-FIRST CENTURY: ACTIVITIES FOR THE COLLEGE CLASSROOM**

*(Sponsored by Committee on Curriculum)*

**Room:** Grand Ballroom A

**Time:** 2:00 PM - 4:00 PM

**Chair:** Benjamin Carter

**Participants:**

99-a Benjamin Carter—Archaeological Ceramics for Beginners: A Hands-On Activity for Introductory Classes

99-b Dawn Mooney Digrius—Teaching Archaeology from a Sustainability Perspective

99-c Shannon Fie—Digging without Dirt: An Excavation Simulation

99-d Kelly Jenks—Simulating Engagement: Teaching Students about Stakeholders

99-e Robert Muckle—Teaching Archaeology with Campus Trash

99-f Tammy Stone—The Integration of Archaeology and its Principles into the Core Curriculum

99-g Justin Williams—Teaching Archaeology through Games: Bringing Interactive Lessons into the Classroom

**[100] SYMPOSIUM ■ MAYAARCH3D: BUILDING A 3DWEBGIS DOCUMENTATION AND ANALYSIS SYSTEM FOR COMPLEX ARCHAEOLOGICAL SITES**

**Room:** Yosemite A

**Time:** 2:00 PM - 4:45 PM

**Chairs:** Jennifer Von Schwerin, Markus Reindel and Heather Richards-Rissetto

**Participants:**

2:00 Markus Reindel and Jennifer von Schwerin—Overview: MayaArch3D—A Web-based 3D-GIS for the Analysis of the Archaeology of Copan, Honduras

2:15 Fabio Remondino and Belen Jiménez Fenández-Palacios—Virtual Copan—From 3D Data Collection to Analysis Inside a Web Visualization Tool

2:30 Jennifer Von Schwerin and MIke Lyons—Show Me the Data!: Structuring the MayaArch3D Digital Collections for Research Queries in a 3DWebGIS

2:45 Lukas Loos, Michael Auer, Nicolas Billen and Alexander Zipf—MayaArch3D: 2D and 3D Visualization and Analysis Platform

3:00 Nicolas Billen, Lukas Loos, Michael Auer and Alexander Zipf—MayaArch3D: System Architecture, Admin and Security Features, Attributes and Maya Calender Translation Services

3:15 Laura Stelson—Applying Digital Technologies to Older Sets of Data: A Study of the Spatio-Temporal Distribution, Design and Function of the Carved Stone Altars at Copán

3:30 Franziska Fecher—An Interactive Map of Honduran Archaeological Sites

3:45 Michael Lyons and Jennifer von Schwerin—A Transparent 3D Model of Temple 18 at Copán for Visualization and Research

4:00 Heather Richards-Rissetto, Michael Auer, Jennifer von Schwerin and Nicolas Billen—A 3D Landscape Analysis of Stelae Visibility at Copan, Honduras

4:15 Maurizio Forte—Discussant

4:30 Questions and Answers

**[101] SYMPOSIUM ■ GLASS AND GLASS TECHNOLOGY: MULTI-DISCIPLINARY APPROACHES TO ARCHAEOLOGICAL RESEARCH**

**Room:** Continental Parlor 3

**Time:** 2:15 PM - 4:45 PM

**Chair:** Laure Dussubieux

**Participants:**

2:15 Janet Jones—Glass at the Crossroads: Production and Emulation at Phrygian Gordion

2:30 Katherine Larson—Raise a Glass: The Late Hellenistic Origins of Domestic Glass Tableware

2:45 Angela Susak Pitzer—Raw Materials, Reuse, and Refuse: A Multi-Disciplinary Study of Karanis Glass

3:00 Thomas Fenn—Ancient Glass Studies from 1st–2nd Millennium AD Africa: What Have We Learned and Where Are We Going
3:15 Heather Christie—Got Swag? Investigating Beads and Bead Trade in Scotland during the First Millennium AD
3:30 Shinu Abraham, Praveena Gullapalli and K.P. Rao—Beads, Bangles, and Glass: Historical and Ethnographic Insights into Glass Working in South India
3:45 Alysia Fischer—Some Suggestions for Archaeologists Who Have Glass at Their Site
4:00 Sara Cole—Curating Ancient Glass in the 21st Century Museum: The Case of the Yale University Art Gallery
4:15 Monica Ganio, Nicholas Barbi and Marc Walton—Hyperspectral X-Ray Fluorescence of the Luni glasses
4:30 Pamela Vandiver—Discussant

**[102] SYMPOSIUM ■ NEW INSIGHTS INTO PAINTED POTTERY FROM NORTHWEST CHINA**
**Room:** Union Square 1
**Time:** 2:45 PM - 5:00 PM
**Chairs:** Ling-yu Hung and Liangren Zhang

**Participants:**
2:45 Eric Carlucci and Ling-yu Hung—Neolithic Northern China in the Context of Early Eurasian Interactions
3:00 Ting An—Considering a 'Chinese Element' in Southeast Europe before the 2nd Millennium BC
3:15 Yi-Xian Lin, Ian Freestone and Hui WANG—Understanding the Production of Majiayao Painted Pottery in Gansu: New Data and New Thoughts
3:30 Ling-yu Hung and Jianfeng Cui—Migration, Diffusion, and Trade: Potting in Neolithic NW China
3:45 Shuicheng Li—Painted Pottery of the Siba Culture and Its Implications
4:00 Liangren Zhang—The Dispersion of Early Painted Pottery in Northwest China
4:15 Enguo Lu—Prehistoric Painted Pottery of Xinjiang
4:30 Louisa Fitzgerald-Huber—Discussant
4:45 Questions and Answers

**[103] GENERAL SESSION ■ GIS, REMOTE SENSING, AND ARCHAEOLOGICAL MAPPING STUDIES**
**Room:** Yosemite B
**Time:** 2:45 PM - 5:00 PM
**Chair:** Romina Martinez

**Participants:**

2:45 Guadalupe Zetina-Gutiérrez and Armando Anaya-Hernández—Archaeological Survey through the Use of Remote Sensing (LiDAR, Photogrammetry and Satelital Imagery) and GIS

3:00 Romina Martinez and Tamara Whitley—Predicting the Past: GIS Weighted Modeling on the Carrizo Plain National Monument

3:15 Kenichiro Tsukamoto—The Preliminary Results of Topographic Mapping at El Palmar

3:30 Kit Wesler—Taking High Tech Back to Basics: GIS and the Three Dimensions of Archaeology

3:45 Spencer Mitchell, Jessica Blinman and Erik Marinkovich—An Analysis of the Factors that Impact Accuracy during the Acquisition of Archaeological Geospatial Data through the Use of GPS Units

4:00 Alexander Makovics, Mark Gonzales and Dr. Matthew Adams—Mapping Abydos: Bridging the Gap between Legacy Data and Modern GPS Survey Methods in Egypt

4:15 Wade Campbell—A Predictive Model of Archaeological Site Location in the Hodh ech Chargui Region, Mauritania

4:30 Kelly Ervin, Alex Colvin, Philip Chaney, Kathryn Braund and April Antonellis—Mapping the Homelands: A Collaborative Effort of Auburn University, the National Park Service, and Native American Tribes

4:45 Gabriel Sanchez—Testing the Association of Chipped Stone Crescents with Wetlands and Paleo-Shorelines of Western North America: A GIS-based Spatial Analysis

**[104] FORUM ■ MAKING THE TOUGH CHOICES: FINDING WORK/LIFE BALANCE AS AN ARCHAEOLOGIST**

**Room:** Golden Gate 2
**Time:** 3:00 PM - 5:00 PM
**Moderator:** Melissa Vogel

**Participants:**

Sarah Nelson—Discussant
Uzma Rizvi—Discussant
Andrew Roddick—Discussant
Christopher Rodning—Discussant
John Warner—Discussant

**[105] SYMPOSIUM ■ LIFE IN THE DIMINUTIVE REALM: HUMAN ADAPTATIONS TO SMALLER ISLAND ENVIRONMENTS**

*(Sponsored by Journal of Island & Coastal Archaeology)*
**Room:** Union Square 2
**Time:** 3:00 PM - 5:00 PM
**Chairs:** Scott Fitzpatrick and Aaron Poteate

**Participants:**

3:00 Aaron Poteate and Scott Fitzpatrick—Marginalization of the Margins: The Importance of Smaller Islands in Human Prehistory
3:15 Ian McNiven—Increase Rituals and Risk Management on the Precarious Small Sandy Cays of Central Torres Strait
3:30 Stephen Wickler—The Centrality of Small Islands in Arctic Norway from the Iron Age to the Recent Historic Period
3:45 Matthew Harris, Weisler Marshall and Ariana Lambrides—Small is not Necessarily Bad: 2000 Years of Sustained Habitation on Ebon Atoll, Marshall Islands
4:00 William Keegan—No Man or Woman is an Island Revisited: The Social Construction of Small Island Space
4:15 Patrick Faulkner, Alison Crowther, Mary Prendergast, Mark Horton and Nicole Boivin—Maritime Adaptations and Indian Ocean Trade in East Africa: The Role of Small Offshore Islands
4:30 Torben Rick, Leslie Reeder-Myers, Kenneth Gobalet, Nicholas Jew and Thomas Wake—Small, But Not Insignificant: Human Subsistence, Ecology, and Land Use on Anacapa Island, California
4:45 Victor Thompson—Discussant

**[106] SYMPOSIUM ■ CALIFORNIA ARCHAEOLOGY AND CLIMATE CHANGE**
*(Sponsored by Society for California Archaeology)*
**Room:** Golden Gate 6
**Time:** 3:00 PM - 5:00 PM
**Chair:** Michael Newland

**Participants:**

3:00 Michael Newland—Discussant
3:15 Nick Tipon—Discussant
3:30 Annamarie Leon Guerrero and Whitney Kirkendall—Cruising Along the Coastline: Exploring the Possibilities of Using LiDAR Data to predict Climate Change Affects Along the Southern Monterey Coast
3:45 Freddie Romero—Discussant
4:00 Jeannine Pedersen and Jere H. Lipps—Impact of Rising Sea Levels on Native American Cultural Sites in Southern California
4:15 Sandra Pentney and Marc Cavallaro—Downpours, Storm

Surges and Wildfires, Oh My! A Look at how Climate Change will Affect the Archaeological Record of San Diego County
4:30 Maximilian Jewett—Using Unmanned Aerial Vehicles for Aerial Photogrammetry on the San Diego Coastline
4:45 Marcy Rockman—Discussant

**[107] SYMPOSIUM ■ RECENT DOCTORAL RESEARCH ON COLOMBIAN ARCHAEOLOGY**
**Room:** Golden Gate 4
**Time:** 3:00 PM - 5:00 PM
**Chairs:** Melanie Miller, Lucero Aristizabal Losada and Jennifer Salinas Acero

**Participants:**
3:00 Jorge Garcia, Agusto Oyuela-Caycedo and Alexis Rojas—Holocene Paleoclimate Reconstruction from δ18O Isotopes of Neocyclotus Opercula a Morphometric Analysis of Variation at the Archaic Site of San Jacinto1 Colombia
3:15 Jennifer Salinas Acero—Paleoethnobotanical Analysis of Preceramic Sites in the Sabana de Bogotá
3:30 Hernando Giraldo Tenorio—Prestige Economy and Leadership in Southwestern Colombia (400 BC–800 AD)
3:45 Lucero Aristizabal Losada—Alimentacíon y Sociedad. Paleodieta de una Población Muisca de la Sabana de Bogotá, el caso de Tibanica-Soacha
4:00 Maria Corcione—Health Conditions between the Muisca-Tibanica Society: Bioarchaeological Analysis of Phenomena in Porous Skull
4:15 Melanie Miller, Sabrina Agarwal and Carl Langebaek—An Investigation of Dietary Histories and Skeletal Health in a Muisca Population (950–1350 AD, Sabana de Bogotá, Colombia)
4:30 Marcela Bernal—The Archaeology of Nuestra Señora Santa María de los Remedios del Cabo de la Vela, a colonial enterprise settlement for pearl fishing in the sixteenth century
4:45 Questions and Answers

**[108] SYMPOSIUM ■ ARCHAEOLOGY AND THE NEW MATERIALISM**
**Room:** Continental Ballroom Parlor 9
**Time:** 3:15 PM - 5:00 PM
**Chair:** Guido Pezzarossi

**Participants:**

3:15 Guido Pezzarossi—"Under the Volcano": Assemblages, Causality and Volcanic Matter at San Pedro Aguacatepeque, Guatemala
3:30 Christopher Watts—Mutable Materials and Gathering Worlds
3:45 Lisa Johnson, Arlen Chase and Diane Chase—'Limestone Bars' as Power Objects among the Ancient Maya: A Consideration of Objects as Active Participants in Ritual Practice
4:00 Noa Corcoran-Tadd—Slow Thinking: Beyond the Entangled List
4:15 Jamie Arjona—Things that Queer: Disorienting Intimacies in Late Nineteenth Century Jooks
4:30 Andrew Bauer—The Archaeological Climate: New Materialisms and Ontologies of the Anthropocene
4:45 Rosemary Joyce—Discussant

**[109] GENERAL SESSION ■ PROTOHISTORIC AND HISTORIC ARCHAEOLOGY IN THE NEW WORLD**
**Room:** Golden Gate 1
**Time:** 3:15 PM - 5:00 PM
**Chair:** Paul Eubanks

**Participants:**
3:15 Paul Eubanks and Ian Brown—Salt Production and Economic Specialization at Drake's Salt Works
3:30 Jack Rossen—Agriculture and Inter-Village Space in the Ancient Haudenosaunee (Iroquois) World
3:45 Sarah Striker—Categorical Identity and Decorative Style in an Ancestral Wendat Sequence
4:00 Ashley Dumas—Eighteenth-Century Choctaw Pottery from Fort Tombecbe
4:15 Rebecca Wiewel—Protohistoric Social Dynamics in the Central Arkansas River Valley
4:30 Mallory Melton—Communal Food Processing and Culture Contact: An Analysis of Plant Foods and Architecture in the Protohistoric North Carolina Piedmont
4:45 Sandra Katz and Kathleen Allen—Stone Tool-Making at Two Sixteenth Century Cayuga Sites

**[110] GENERAL SESSION ■ RESOURCE USE, ENVIRONMENTS, AND LANDSCAPES**
**Room:** Continental Ballroom Parlor 8
**Time:** 3:15 PM - 5:00 PM

**Chair:** Jennifer Rozo

**Participants:**

3:15 Kristin Corl—Faunal Evidence for Subsistence Strategies at Cottonwood Spring Pueblo

3:30 Christopher Guiterman, Thomas Swetnam, Jeffrey Dean, Nathan English and Christopher Baisan—Tree-Ring Sourcing of Great House Timbers and the Plaza Tree of Pueblo Bonito, Chaco Canyon, New Mexico

3:45 Jennifer Rozo—Home on the Range: An Environmental History of Land Use Changes at Paa-ko, New Mexico

4:00 Andrew Somerville and Margaret Schoeninger—Leporids and Landscapes: Stable Isotope Ratios of Rabbit and Hare Bones Reflect Local Environmental Conditions at Modern and Archaeological Sites

4:15 John Campbell—Transitional Archaic–"Mu Awsami Saqiwe'k" in the Maritime Provinces, Canada

4:30 Gerad Smith—The Caribou Didn't Come Back: Modelling Human Migration Variations through Local Ecological Changes

4:45 Konnie Wescott, Angie Krall and Brian Fredericks—Cultural Landscape Assessment for the San Luis Valley-Taos Plateau

**[111] SYMPOSIUM ■ REPRESENTACIONES GRÁFICO RUPESTRES EN EL ESTADO DE OAXACA, NUEVAS INVESTIGACIONES EN LA ARQUEOLOGÍA DEL PAISAJE**

**Room:** Continental Parlor 2
**Time:** 3:30 PM - 4:45 PM
**Chair:** Pedro Ramon Celis

**Participants:**

3:30 Karina Jimenez Roman and Jorge Luis Ríos Allier—Un acercamiento al estudio de las pinturas rupestres en el Cerro Danush, Oaxaca.

3:45 Pedro Ramon Celis—Registros gráfico-rupestres en Yagul, pintura rupestre en contextos urbanos

4:00 Jorge Rios and Juan Carlos Diaz Vazquez—Las manifestaciones grafico-ruprestres en las Cuevas Prehistoricas de Yagul y Mitla (WH-UNESCO)

4:15 Angel Rivera—Discussant

4:30 Nelly Robles Garcia—Discussant

**[112] GENERAL SESSION ■ BERINGIA AND THE ARCTIC**

**Room:** Union Square 25
**Time:** 3:30 PM - 5:00 PM
**Chair:** Richard Davis

**Participants:**

3:30 Melissa Mueller, Ted Goebel, Julie Esdale and Kelly Graf—Archaeology of the Terminal Pleistocene McDonald Creek Site, Central Alaska

3:45 Norman Easton, David Yesner, Vance Hutchinson, Michael Grooms and Jordan Handley—New Dates and a Proposed Chronology for the Little John Site (KdVo-6), a Multi-Component Site in Eastern Beringia, Yukon Territory, Canada

4:00 Richard Davis—Aleutian Microtechnology in Anangula Times (9000–4000 BP)

4:15 Alison Harris and Vaughan Grimes—Exploring Human-Canid Interactions among the Dorset Using Stable Carbon and Nitrogen Isotope Analysis

4:30 Alyson Brown, Eduard Reinhardt and Aubrey Cannon—Sedimentary Evidence of Increasing River Discharge from Namu Lake, B.C. during a Period of Fluctuation in the Staple Pink Salmon Fishery

4:45 Vance Hutchinson, Norman Easton, David Yesner, Lauriane Bourgeon and Blaine Maley—Inter and Intra Site Patterns of the Late Pleistocene Fauna from the Little John Site (KdVo6), a Multi-Component East Beringia Site in Yukon Territory, Canada

**[113] GENERAL SESSION ■ THE HOUSEHOLD AS ANALYTICAL UNIT**
**Room:** Golden Gate 5
**Time:** 3:30 PM - 5:00 PM
**Chair:** Ethan Epstein

**Participants:**

3:30 Rissa Trachman and Savannah Bradley—Household Shrines, Caches, and Burials: The Role of Ritual in Domestic Economy at Dos Hombres, Northwestern Belize

3:45 Jason Whitaker—Hinterland Household Economy: A Preliminary Analysis of Data from the San Lorenzo Settlement Cluster

4:00 Evan Parker, George Bey III, Tomás Gallareta Negrón, Stephanie Simms and Amanda Strickland—Household Socio-Economic Organization in Puuc Maya Suburbia: Excavations at Escalera al Cielo, Yucatán

4:15 Kirsten Vacca—Social Interaction through Structured Use of Space in the Early Hawaiian Household

4:30 Ethan Epstein—A Hearth with a View, the Spatial Analysis of a Late Holocene Hunter-Gatherer House

4:45 Peiyu Chen—Dwellings and Corporate Groups in Montegrande, Jequetepeque Valley, Peru: A Household Study of Social

Differentiation

**[114] GENERAL SESSION ■ ARTIFACTS AND THEIR PRODUCTION IN PREHISTORIC NORTH AMERICA**
**Room:** Union Square 13
**Time:** 3:30 PM - 5:00 PM
**Chair:** Gregory Burns

**Participants:**

3:30 Adam Rorabaugh—Restricted Forms of Knowledge in Pre-contact Coast Salish Lithic Craft Traditions

3:45 Dennis Griffin—Sacred Artifact or Personal Totem: Results of an Analysis of a Carved Animal Sacrum Discovered Off the Oregon Coast

4:00 Diana Ewing—The Thermal and Transpirative Properties of Arctic Clothing Construction: A Women's Adaptive Technology

4:15 Steven Dorland—Learning Landscapes within an Ancestral Wendat Village

4:30 Gregory Burns and Jelmer Eerkens—Stable Isotope Sourcing of Olivella Shell Beads from Central California

4:45 J.M. Adovasio and J.S. Illingworth—Fremont Basketry: Redux!

## Thursday Evening ■ April 16, 2015

**[115] GENERAL SESSION ■ THE ARCHAEOLOGY OF EAST AND SOUTHEAST ASIA**
**Room:** Union Square 1
**Time:** 6:00 PM - 7:30 PM
**Chair:** Fumie Iizuka

**Participants:**

6:00 Gyles Iannone—Towards a Socio-Ecological Understanding of Agrarian-Based, Low-Density Urbanism in Early Tropical State Formations

6:15 Li Zhang—What was Erlitou? Social Transformations from the Longshan Period to the Erlitou Period in a Network Perspective

6:30 Fumie Iizuka, Masami Izuho and Pamela Vandiver—Adoption of Ceramic Technology: Case Study from Incipient Jomon of Southern Kyushu (ca. 13,500/14,000–12,000 cal yr BP)

6:45 Hiroto Takamiya and Hitoshi Yonenobu—Transition from Hunting and Gathering to Food Production on the Ryukyu Archipelago, Japan

7:00 Yuichi Nakazawa and Fumito Akai—An Application of Obsidian Hydration Dating to Prehistoric Sites in Japan

7:15 Emma Yasui—Starch and Stone: Preliminary Evidence from Jomon Period Ground Stone in Southwestern Hokkaido

**[116] SYMPOSIUM ■ ARCHAEOLOGIES OF COLONIALISM AND EVERYDAY LIFE IN THE INDIAN OCEAN WORLD**
**Room:** Union Square 21
**Time:** 6:00 PM - 7:45 PM
**Chair:** Julia Haines

**Participants:**

6:00 Diego Calaon—Gis, Heritage and Industrial Archaeology at Aapravasi Ghat

6:15 Julia Haines and Saša Caval —Boundaries and Networks on the 19th Century Bras d'Eau Sugar Estate

6:30 Rosa Fregel, Martin Sikora, Krish Seetah, Hannes Schroeder and Carlos Bustamante—Genetic Impact of Slavery Abolition in Mauritius: Ancient DNA Data from Le Morne and Bois Marchand Cemeteries

6:45 Krish Seetah—Objects Past, Objects Present: Materials, Resistance and Memory from the Le Morne Old Cemetery, Mauritius

7:00 Jonathan Santana Cabrera, Jo Appleby and Krish Seetah—The

Price of Freedom: Health Status in a Freed Slave Community in Le Morne (18–19th Centuries, Mauritius)
7:15 Chip Colwell—Makak: Between History and Heritage
7:30 Neil Price—Discussant

**[117] FORUM ■ PERFORMING THE PAST/PRESENT**
**Room:** Golden Gate 2
**Time:** 6:00 PM - 8:00 PM
**Moderators:** Bryan Cockrell and Katherine Chiou
**Participants:**
Ruth Tringham—Discussant
Di Hu—Discussant
Marguerite De Loney—Discussant
Ann Danis—Discussant
Mary Praetzellis—Discussant
Anna Harkey—Discussant
Pilar Hernández Escontrías—Discussant

**[118] POSTER SESSION ■ SITE FORMATION PROCESSES AND TAPHONOMY**
**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM
**Participants:**
118-a Jacob Davis, Shiela Nightingale, Jessica Thompson and Elizabeth Gomani-Chindebvu—Quantifying the Effects of Erosional Processes on Stone Artifact Concentrations: Implications for Site Formation at Open-Air Paleolithic Sites
118-b Milena Carvalho and Jonathan Haws—The Taphonomic Study of Small Fauna Gruta da Nova Columbeira (Portugal)
118-c Steven Meredith and Daniel Turner —Excavation of an 11th Century Living Surface Buried Underneath a 19th Century Railroad Bed
118-d Kris Reinicke—GIS Illuminates Site Formation Processes: Archaeology of the Fortín de la Perla

**[119] POSTER SESSION ■ ENVIRONMENTAL ARCHAEOLOGY AND HUMAN ECOLOGY**
**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM
**Participants:**
119-a Caroline Funk, Nancy Bigelow, Debra Corbett, Brian Hoffman

and Nicole Misarti—Human and Environmental Histories of the Rat Islands, Western Aleutians, Alaska: The 2014–2015 Research Season

119-b Mariana Sanders, Stephen Acabado and John Peterson—Climate Change and Subsistence Shifts: Wet-Rice Agriculture in Ifugao, Philippines

119-c Angelina Perrotti, Michael Waters and Jessi Halligan—Paleoenvironmental Change and Megafaunal Extinction at Page-Ladson, Florida

119-d Kate Magargal—Fetching Firewood: Access to Fuels as a Constraint for Prehistoric Settlement

119-e Kathryn Mohlenhoff, Christopher Parker and Brian Codding—The Potential Integration of Niche Construction Theory into the Framework of Human Behavioral Ecology

119-f Isaac Hart, Jack Broughton and Ruth Gruhn—ENSO and the Rabbits of Baja California

119-g Peter Stahl, Florencio Delgado and Fernando Astudillo—Historical Ecology and Archaeology on the Galápagos Islands

**[120] POSTER SESSION ■ PREDICTIVE MODELS, SURVEY, AND SITE DISTRIBUTIONS**
**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM

**Participants:**

120-a Ryan Hunter and Dawn Bringelson—Site Distribution Patters at Indiana Dunes National Lakeshore

120-b Amanda Rasmussen—An Analysis of the Archaeological Remains at Fort Halifax Park

120-c Leslie Reeder-Myers—Modeling Sea Level Rise and Shoreline Change in a Complex Sedimentary Environment: Case Study from Chesapeake Bay

120-d Stephanie Hacker and Howard Cyr—An Integrative Archaeological and Geomorphological Approach to Understanding Site Distributions and Prehistoric Settlement Patterns along the Little River, East Tennessee

120-e Alex Badillo—Full-Coverage Survey Techniques in the Mountains of the Sierra Sur, Oaxaca, Mexico

120-f Stephanie Martin—The Late Bronze Age Theran Eruption: A Spatial Analysis Study of Permanent Abandonment Processes

120-g Kelsey Cornwell—Theoretical and Practical Advances in Underwater Regional Survey

**[121] POSTER SESSION ■ ARCHAEOLOGICAL TECHNOLOGIES, TECHNIQUES, AND METHODS**
**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM

**Participants:**

121-a Kathy Loftis, Alex Cherkinski and Robert Speakman—Application of Compound-specific Radiocarbon Dating of Hydroxyproline from Bone Collagen

121-b James Brown, James Chatters, Patrick McCutcheon, Jon Adler and James Feathers—Comparison of Radiometric Dating Techniques: Pacific Northwest

121-c Jessica Chapman—Faux for Fact: An Experimental Ceramic Restoration Process

121-d Sebastian Warmlander, Vanessa Muros, Ellen Pearlstein, Kym Faull and David Scott—Corrosion Concerns and Metal Soap Formation in Shea Butter-Containing Forawa Brass Vessels from Ghana

121-e Samantha Porter—A Portable Photogrammetry Rig for the Reliable Creation of High-Quality 3D Artifact Models in the Field

121-f Chelsea Gardner, Lisa Tweten and Maude Côté-Landry—From Stone to Screen: Squeezing into the World of Digital Archaeology

121-g Kristina Golubiewski-Davis—3D Scanning of Bronze: Repeatability and Reliability across scanners

121-h Corey Hartley and Lap Kwan Tang—Utilizing Tablets for Mobile Data Recording in a CRM Context

121-i Mark Schurr, Patrick Donohue and Antonio Simonetti—Multi-Element Characterization of Early Nineteenth Century Pottery Sherds from Native American and Euro-American Sites

121-j Andrew Barker, Jonathan Dombrosky, Amy Eddins, Kari Schlerer and Barney Venables—Taphonomy and Negative Results: An Integrated Approach to Residue Analysis

121-k Rebecca Biermann, Alison S. Brooks and David R. Braun—Accuracy and Precision of 3D Modeling in Lithic Analysis

121-l Jessica-Louise McNeil, Alex Marginson, Chris Clarkson and Alex Mackay`—Colour Signature Analysis: A New Refitting Method

**[122] POSTER SESSION ■ EXPERIMENTAL ARCHAEOLOGY AND ACTUALISTIC STUDIES**
**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM

**Participants:**

122-a Chelsea Reedy and Leland Bement—Tool Production, Subsistence, or Practice: An Investigation of Human Modified Bison Phalanges Present at the Bull Creek and Clary Ranch Sites

122-b Allison Grunwald—Bashing Bones—Experimental Archaeology and its Application to the Carter/Kerr-McGee Site

122-c Shelby Putt—The Origins of Stone Tool Reduction and the Transition to Knapping: An Experimental Approach

122-d Megan Harris—Replication of Stone Disk Beads from the Salish Sea Region, British Columbia

122-e Kathryn Ranhorn, Francys Subiaul, David Braun, Alison Brooks and Robert Kaplan—Detecting Signatures of Cultural Transmission: An Actualistic Study

122-f Spencer Pelton and Joshua Boyd—A Formal Model of End Scraper Performance on Dry Bison Hide

122-g Jay Stephens and Pam Vandiver—Technical Analysis and Replication of Corinthian Polychrome Slips, 8th–6th Centuries BCE

122-h Nicholas Waber—3D Photogrammetry and GIS for Tracking Edge Wear Accumulation in Lithic Experiments

122-i Jonathan Dombrosky, Andrew Barker, Amy Eddins, Steve Wolverton and Barney Venables—Characterizing Weathered Protein Residues from an Intra-Annual Cooking Experiment: A Mass Spectrometry Approach

122-j Emma Dellopoulos and Shelby Putt—Performativity and Pedagogy: the Effect of Verbal and Nonverbal Instruction on Experimental Acheulian Handaxe Symmetry

122-k Steven Shelley and Nathan Montalvo—Experimental Replication of Stone Tools Used for Agave and Similar Plant Harvesting and Processing

**[123] POSTER SESSION ■ THE AFTERLIFE OF ARCHAEOLOGICAL INFORMATION: USE AND REUSE OF DIGITAL ARCHAEOLOGICAL DATA**

**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM
**Chair:** Leigh Anne Ellison

**Participants:**

123-a Jennifer Milligan and Linda Scott Cummings—Moving Forward While Looking Backward

123-b Shawn Fehrenbach—A Digital Approach in Consultant

Archaeology: PaleoWest at the Ironwood Village Site

123-c Jessica Trelogan, Lauren Jackson and Maria Esteva—Unlocking the Data Behind the Chora of Metaponto Publication Series: “On-the-Fly” Solutions for Sharing and Archiving an Evolving Collection

123-d Lauren Jelinek, Jon Czaplicki and M. Scott Thompson—The Digital Legacy of Public Archaeology in the Phoenix Basin, Arizona

123-e Rebecca Hill, M. Scott Thompson, Holly Young and Cory Breternitz—It Takes a (Big) Village: Preserving the Legacy of Pueblo Grande

123-f Francis McManamon and Julian Richards—Best Practices for Good Digital Curation

123-g Sarah Kansa, Eric Kansa, Andrew White, Stephen Yerka and David Anderson—DINAA and Bootstrapping Archaeology’s Information Ecosystem

123-h Sara Rivers Cofield and Jodi Reeves Flores—Evaluating a Cooperative Approach to the Management of Digital Archaeological Records (ECAMDAR): A Defense Legacy Project Assessing tDAR for the Department of Defense

123-i Matthew Boulanger and Michael Glascock—The Aferlife of Archaeometry; the Lawrence Berkeley National Laboratory Database Project

123-j Leigh Anne Ellison and Adam Brin—Synthesizing Legacy Data: Using tDAR’s Data Integration Tool

123-k Veronica Judd, Hannah Zanotto, David Abbott and Douglas Craig—Digging without Getting Dirty: Making Use of Archival Data to Explore Variations of Labor Costs in Hohokam Residential Architecture at Pueblo Grande

**[124] POSTER SESSION ■ CROWDSOURCING, CO-CREATION, AND COLLABORATION THROUGH VIRTUAL CURATION**

**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM
**Chair:** Bernard Means

**Participants:**

124-a Michael Rogers and Scott Stull—Using Archaeogeophysical and 3D Laser Surveying to Visualize an Integrated Landscape

124-b Robert Selden, Timothy Campbell, Suzanne Eckert, Michael O'Brien and Mara Vasconcelos—Geometric Morphometrics & Elliptic Fourier Analysis of 3D Ceramic Data

124-c Bernard Means and Lauren Volkers—Bring Out Your Dead:

Pondering Passenger Pigeons (and Projectile Points) While Building Digital Type Collections at the Virtual Curation Laboratory

124-d Kristina Killgrove and Mariana Zechini—Giving 3D Scanning a Porpoise: Digitizing the Zooarchaeological Type Collection at the University of West Florida

124-e Jeb Card and Micayla Spiros—Three-Dimensional Scanning and Printing in Undergraduate Archaeology Education

124-f Lance Greene—Virtual Curation as an Integral Part of the Conservation Strategy at the Camp Lawton Confederate POW Site

124-g M. Jared Wood—Mi Datos Su Datos? Opportunities and Challenges Posed by Data Sharing

**[125] POSTER SESSION ■ THE ACID TEST: EXPLORING THE UTILITY OF THE DIGITAL INDEX OF NORTH AMERICAN ARCHAEOLOGY (DINAA) FOR USE IN APPLIED RESEARCH**

*(Sponsored by Digital Index of North American Archaeology (DINAA))*

**Room:** Grand Ballroom A

**Time:** 6:00 PM - 8:00 PM

**Chairs:** Stephen Yerka and Kelsey Noack Myers

**Participants:**

125-a David Anderson, Stephen Yerka, Eric Kansa, Joshua Wells and Thaddeus Bissett—Big Data/Big Picture Research: DINAA (The Digital Index of North American Archaeology) and the Things Half a Million Sites Can Tell Us

125-b Kelsey Noack Myers, Stephen J. Yerka and R. Carl DeMuth—Ouiatenon and its Informational Analogs: Making Connections in Colonial Archaeology Less Hard to Handle with the Digital Index of North American Archaeology (DINAA)

125-c R. Carl DeMuth, Kelsey Noack Myers and Stephen J. Yerka—The Modern United States of Historical Archaeology Site Reporting: A Multi-State Analysis of Reported Historical Archaeological Sites Archived in the Digital Index of North American Archaeology

125-d Stephen Yerka, R. Carl DeMuth and Kelsey Noack Myers—Built to Last: The Paleoindian Database of the Americas (PIDBA) and Openly-Shared Primary Data Meet the Digital Index of North American Archaeology (DINAA)

**[126] POSTER SESSION ■ DEVELOPMENTS IN FIRED CLAY CERAMIC REHYDOXYLATION DATING (RHX DATING)**
**Room:** Grand Ballroom A
**Time:** 6:00 PM - 8:00 PM
**Chairs:** TimothyJames Scarlett and Kostalena Michelaki

**Participants:**

126-a TimothyJames Scarlett, Jaroslaw Drelich, Carl Lipo, Elizabeth Niespolo and Shan Zhao—Multi-Lab Collaborative Experiments with RHX Dating

126-b Shan Zhao, Jaroslaw Drelich and Timothy James Scarlett—Revised Drying Conditions in Rehydroxylation (RHX) Technique for Dating Ceramic Artifacts

126-c Steven Sarich and Timothy James Scarlett—Physical Characterization of Stoneware Ceramic Materials

**[127] SYMPOSIUM ■ ANTELOPE CAVE: A DRY ANCESTRAL PUEBLOAN (VIRGIN ANASAZI) SITE IN NORTHWESTERN ARIZONA**
**Room:** Continental Parlor 1
**Time:** 6:00 PM - 8:00 PM
**Chair:** Keith Johnson

**Participants:**

6:00 Keith Johnson—The Setting: Location, Environment and Excavation History

6:15 Joel Janetski—Antelope Cave and Far Western Anasazi Lifeways of the Virgin River Region

6:30 Jacob Fisher—Patch Choice Model Predictions for Jackrabbit Processing at Antelope Cave, Arizona

6:45 Adauto Araujo and Karl Reinhard—Parasites in Antelope Cave

7:00 Karl Reinhard and Isabel Teixeira-Santos—Dietary Reconstruction Based on Coprolites from Antelope Cave

7:15 Terence Murphy, Karen R. Adams and Keith L Johnson—DNA Identification of Prehistoric Puebloan Quids

7:30 Karen Adams—Quids with Wild Tobacco (Nicotiana) Flowering Stems Inside

7:45 James Allison—Discussant

**[128] SYMPOSIUM ■ HISTORICAL ARCHAEOLOGY OF THE AMERICAN WEST**
**Room:** Union Square 2
**Time:** 6:00 PM - 8:00 PM
**Chair:** Emily Dale

**Participants:**

6:00 Nathan Acebo—Borderlands, Continuances and Violence: A Social Nexus at Black Star Canyon, San Juan Capistrano California
6:15 Erin Hegberg—Making Ends Meet in Frontier New Mexico
6:30 Rebecca Renteria, Ronald Towner, Anastasia Steffen and Galen McCloskey—Dendroarchaeology of the Otero Cabin, Valles Caldera National Preserve, New Mexico
6:45 Stephen LaValley—Who are the Martinez? A Report on and Examination of High Elevation Aspen Dendroglyphs in the Sangre de Cristo Mountains, New Mexico
7:00 Brendan Pelto—19th Century Mining Life in Michigan's Upper Peninsula—The American West on the Wrong Side of the 100th Meridian
7:15 Emily Dale—Give Me a Y-Beam: Architecture and Agency at Rural Chinese Woodchopping Camps, Mineral County, Nevada
7:30 Melonie Shier— In Defence of the Fence in the American West
7:45 William Carroll—Shadows of Sand Creek: A Case Study of the Colorado War and Its Historical Legacy

**[129] SYMPOSIUM ■ EL HOMBRE EN LA CUENCA DEL RIO LERMA. PASADO Y PRESENTE**
**Room:** Union Square 13
**Time:** 6:00 PM - 8:00 PM
**Chair:** Rubén Hernández

**Participants:**
6:00 Yoko Sugiura, Gustavo Jaimes and Diana Martínez—La vida cotidiana a través de las vasijas ofrendadas en el contexto doméstico en Santa Cruz Atizapán y San Mateo Atenco, Estado de México
6:15 Margarita Caballero, Socorro Lozano-Garía and Beatríz Ortega—Trends in late Holocene Climate Change in Central Mexico
6:30 Maria De Muñoz, Minerva Mejia-Rangel, Miguel Moreno-Galeana, Gerardo Peréz-Ramírez and Yoko Sugiura-Yamamoto—Análisis de redes haplotípicas del DNA mitocondrial (parcial) de los pobladores del Valle de Toluca
6:45 Rubén Hernández—La interacción cultural en la cuenca alta del río Lerma: las subcuencas de Ixtlahuaca-Atlacomulco y Temascalcingo
7:00 Agapi Filini—Death, Ritual, and Social Space in the Cuitzeo Basin, Michoacán, México
7:15 Magdalena Garcia Sanchez—El rio Lerma en la región de

Angamacutiro en el pasado reciente
7:30 Alberto Aguirre—Transformaciones e historia entre Michoacán y Guanajuato a partir de las plantas hidroeléctricas en el siglo XX
7:45 Angeles Alberto-Villavicencio—Apropiación de recursos naturales, configuración territorial y paisajística en torno al río Lerma, Zona Metropolitana La Piedad-Pénjamo

**[130] GENERAL SESSION ■ RECENT METHODOLOGICAL ADVANCES IN MESOAMERICAN AND MAYA ARCHAEOLOGY**
**Room:** Imperial Ballroom B
**Time:** 6:00 PM - 8:00 PM
**Chair:** Mario Zimmermann

**Participants:**
6:00 Nayeli Jiménez-Cano—A Zooarchaeological Record of Ancient Fishes from the Maya: Evidence from Fish Bones in the Study of Ancient Fisheries
6:15 Stephanie Simms—Neglected Root Crops of the Prehispanic Maya
6:30 Mario Zimmermann, Carlos Matos, Lilia Fernandez and Rafael Cobos—Games and Foodstuffs at Chichen Itza: Relating Patolli and Starch Grains at Structure 2D6
6:45 Eric Heller—Ancient Maya Elite Political-Economic Practices at La Milpa North, Northwestern Belize
7:00 Brandon McIntosh—Bird and Fish Remains from Isla Cilvituk: Evidence of Ecological and Market Niche Construction in a Postclassic Maya Lacustrine Environment
7:15 Garth Norman—13th Baktun Rebirth at Izapa: Discovery Vistas with New Technologies in Applied Structural Archaeology are Writing Preclassic History
7:30 Jon Lohse, Derek Hamilton, Victoria Smith, Mark Brenner and Jason Curtis—A Record of Late Holocene Volcanic Activity from Highland Guatemala
7:45 Eva Jobbova—New Research into the Dynamics of Human-Environment Relationships in the Maya Region

**[131] GENERAL SESSION ■ ARCHAEOLOGICAL AND BIOARCHAEOLOGICAL PERSPECTIVES ON VIOLENCE, CONFLICT, AND WARFARE**
**Room:** Imperial Ballroom A
**Time:** 6:00 PM - 8:00 PM
**Chair:** Rick Schulting

**Participants:**

6:00 Igor Chechushkov—Is Fortification Always about Defense? The Case of Middle Bronze Age Fortified Settlements in Northern Eurasia
6:15 William Carleton, Mark Collard and Dave Campbell—Rainfall and Conflict among the Lowland Classic Maya
6:30 Cameron Howell—Mississippian Conflict and the Role of the Fission-Fusion Process: An Example from East Tennessee
6:45 Rick Schulting, Angela Lieverse, Vladimir Bazaliiskii and Andrzej Weber—Interpersonal Violence among the Prehistoric Hunter-Gatherers of Cis-Baikal, Southern Siberia
7:00 Casey Hegel—Depopulation and Massacres: Bioarchaeological Evidence of Violence within the Ancestral Pueblo of the Southwest Region of North America
7:15 Kathryn Baustian—The Bioarchaeology of Social Order: Cooperation and Conflict among the Mimbres (AD 550–1300)
7:30 B Geiger—Cuts to the Bone: Using Scalping Evidence to Examine the Relationship between Warfare and Gender in Pre- and Proto-Historic North America
7:45 Eric Harkleroad—A New Approach to Warfare

**[132] GENERAL SESSION ■ MARKERS AND METHODS IN BIOARCHAEOLOGY AND FORENSIC ARCHAEOLOGY**
**Room:** Golden Gate 1
**Time:** 6:00 PM - 8:00 PM
**Chair:** Elizabeth Weiss

**Participants:**
6:00 Elizabeth Weiss—Kneeling Difficulty and Osteoarthritis: What Data from the Osteoarthritis Initiative can Tell Us about Prehistoric Californians
6:15 Laura Cirillo, Alexandra McGough, Julie Ding, Rebecca Jabbour and Gary Richards—Geometric Morphometric Assessment of Cranial Shape Change in Trigonocephaly
6:30 Cristina Tica and Xenia-Paula Kyriakou—Osteoarthritis in the Elbow and Knee from a Modern Documented Cemetery Collection in Cyprus: Using “New” Bones to Understand “Old” Ones
6:45 A. Jay Van Der Reijden—A Global Classification System for Cultural Dental Modification: Created and Assessed
7:00 Sarah Voeller and Ann Ross—Using GIS to Re-Associate Commingled Skeletal Remains
7:15 Tito Mijangos—Interpretaciones entorno a un contexto funerario múltiple en el valle de Etla, Oaxaca, México

7:30 Emily Cline—St Bees Man: A Cold Case Review
7:45 Agamemnon Pantel, Mark Noah, Kristen Baker and Chester Walker—Forensic Archaeological Research in the Recovery of WWII MIA's on a Pacific Atoll: Tarawa

**[133] GENERAL SESSION ■ ARTIFACTS AND ARTISANS IN ANCIENT MESOAMERICA**
**Room:** Continental Ballroom Parlor 8
**Time:** 6:00 PM - 8:00 PM
**Chair:** Jared Katz

**Participants:**
6:00 Lisa DeLance—From Rags to Riches: The Class, Status, and Power of Clothing among Ancient Maya Women
6:15 Katherine Shurik—Role of Handstones in Mesoamerican Ballgame
6:30 Jennifer Lapp—The Lithics of Conchal, Nicaragua and the Story they Tell
6:45 Dylan Birch—Tula 2014: Reexamining Ball Court 2 through Cross-Cultural Comparisons with the Yucatan
7:00 Kaylee Spencer and Maline Werness-Rude—Columns and Ideology-Building in the Northern Maya Lowlands
7:15 Jared Katz—Music in the Court: An Analysis of the Status of Musicians in the Maya Court
7:30 Megan Leight—The Art of Noise at Teotihuacan: The Conch Shell Motif in the Classic Period
7:45 Timothy Garfin, Sachiko Sakai and Hector Neff—Possible Functions of a Late Prehistoric Coarseware from the Estuary Zone of Eastern Soconusco

**[134] SYMPOSIUM ■ ARCHAEOLOGICAL RESEARCH IN THE CAÑETE VALLEY, PERU**
**Room:** Continental Ballroom Parlor 7
**Time:** 6:00 PM - 8:15 PM
**Chair:** Francesca Fernandini

**Participants:**
6:00 Favio William Ramirez Muñoz—Aprovechamiento de Recursos Renovables Durante el Horizonte Tardío en la Cuenca Hidrográfica del Río Cañete
6:15 Alejandro Chu—Archaeological Data vs Historical Accounts. The Inca Occupation of Incahuasi, the New Cusco, Cañete, Peru

6:30 Giancarlo Marcone, Nina Castillo, Rodrigo Areche and Geraldine Huertas—Qhapaq Ñan Project´s research at the Guarco Site, Cañete Peru
6:45 Francesca Fernandini—Change and Continuity in Ceramic Production at Cerro de Oro, Cañete
7:00 Rosa Maria Varillas—Technique and Style in Textiles from the Cerro de Oro site
7:15 Carol Rodriguez—Characterization of the Cerro de Oro Pottery Style
7:30 Grace Alexandrino Ocaña—Wari Funerary Contexts: An Elite Funerary Chamber in Cerro de Oro, Cañete Valley
7:45 Lawrence Coben and Eberth Serrudo T.—The Inca Incorporation of the Canete Valley, Part 1: Conquest or Incanization
8:00 Eberth Serrudo, Lawrence Coben and Erika Cabello—The Inca Incorporation of the Canete Valley, Part 2: Strategies and Responses, Excavations at Huaca Daris

**[135] SYMPOSIUM ■ FORAGING SPECTRA: HUNTER-GATHERER DIVERSITY IN PREHISTORY**
**Room:** Golden Gate 7
**Time:** 6:00 PM - 8:15 PM
**Chair:** Ashley Lemke

**Participants:**
6:00 Ashley Lemke—Hunter-Gatherers and Prehistory
6:15 Gustavo Politis—Myths about the Tropical Rainforest Hunter-Gatherers: A Reappraisal from South America
6:30 Raven Garvey and Robert Bettinger—Cultural Transmission and Diversity among Hunter-Gatherers of the Subarctic and Subantarctic
6:45 Mike Cannon and David Meltzer—Forager Mobility, Landscape Learning, and the Colonization of the Americas
7:00 Questions and Answers
7:15 Brian Stewart and Peter Mitchell—Beyond the Shadow of a Desert: Illuminating Southern Africa's Foraging Spectra
7:30 Nicholas Conard and Britt Starkovich—Explaining Diachronic Trends in Paleolithic Subsistence in Central Europe
7:45 Steven Kuhn and Mary Stiner—The Antiquity of Hunter-Gatherers Revisited
8:00 Robert Kelly—Discussant

**[136] SYMPOSIUM ■ NEWS OF THE WEIRD (ARCHAEOLOGY)**
*(Sponsored by Media Relations Committee)*
**Room:** Plaza A
**Time:** 6:00 PM - 8:15 PM
**Chair:** Zachary Nelson

**Participants:**

6:00 Andrea Messer—Maya Apocalypse 2012 in the Media: The Cataclysm that Never Was
6:15 Meredith Wismer-Lanoe and Zachary Nelson—Faked But Not Forgotten: The Enduring Appeal of the Crystal Skulls
6:30 Kimball Banks—NANU, NANU: Nabta and New Agers
6:45 Zachary Nelson—Atlantis and the Hall of the Ancients
7:00 Gina Buckley-Yost—Noah's Ark: The Temptation of Media
7:15 Renata Wolynec—Rock Art and Aliens
7:30 Krystal Hammond—Research with an Agenda: Creationist Media on Archaeological Discoveries
7:45 Lauren Milideo—Media Portrayals of Viking Rune Stones in North America
8:00 Andrea Messer—Discussant

**[137] SYMPOSIUM ■ ATLANTIC CROSSING: SIDE VIEWS ON ROCK ART**
**Room:** Union Square 25
**Time:** 6:00 PM - 8:15 PM
**Chairs:** Ramon Valcarce and Carlos Rodriguez-Rellan

**Participants:**

6:00 Curtis Schaafsma and Polly Schaafsmsa—How Values, Prejudice, and Social Issues Shape Rock Art Research in North America
6:15 Andrew Vorsanger and Steve Swanson—Sacred vs. Secular: Pre-Hispanic Village Landscapes in Southwest New Mexico
6:30 Lucia Clayton Martinez—Patterns through Space: A Spatial Analysis of Murujuga Rock Art, Northwest Australia
6:45 Julian Martinez—Pintura Rupestre Postpaleolitica de las Sociedades Complejas en el Sur de la Peninsula Iberica
7:00 Carlos Rodriguez-Rellan and Ramón Fábregas Valcarce—Watch Out for Rocks: A GIS and Agent-Based Modeling Approach to the Rock Art of Northwestern Iberia
7:15 Peter Skoglund—Approaches to Scandinavian Rock-art
7:30 Johan Ling— War Related Social and Ritual Traits in Rock Art
7:45 Ulf Bertilsson—Carved Footprints and Prehistoric Beliefs: Examples of Symbol and Myth, Practice and Ideology
8:00 Questions and Answers

**[138] SYMPOSIUM ■ NEW RESEARCH AND EMERGING SCHOLARS WORKING ON PUBLIC LANDS ADMINISTERED BY THE BUREAU OF LAND MANAGEMENT**
**Room:** Union Square 14
**Time:** 6:00 PM - 8:15 PM
**Chairs:** Tamara Whitley and Stephen Overly

**Participants:**

6:00 Stephen Overly—The Past, Present, and Future of Archaeological Investigation on the BLM: An Introduction to Public Research on Public Lands

6:15 Mark Allen—Pay Dirt in the Mojave Desert: An Assistance Agreement between Cal Poly Pomona and the California Bureau of Land Management

6:30 Josephine McDonald, Gregory Haverstock and David Lee—Volcanic Tableland Rock Art: Research and Management in the Western Great Basin

6:45 Aaron Woods, Barbara Roth and Katelyn DiBenedetto—Evaluating Land Use in the Mojave Sink: Survey Data from Afton Canyon, San Bernardino County, California

7:00 Andrea Catacora and Jo McDonald—Digital Data Collection, D-Stretch And Databases: New Approaches To Recording Rock Art In Lincoln County

7:15 Carly Whelan—Hunter-Gatherer Storage and Settlement: A View from the Central Sierra Nevada

7:30 David Whitley—Setting and Function of the Pahranagat Valley, NV, Petroglyphs: Archaeological and Ethnographic Perspectives

7:45 Martin Stein—A New View of the Desert—The Permian Basin Programmatic Agreement Research Program in Southeastern New Mexico

8:00 Marcel Kornfeld and George Frison—Paleoindians and Rockshelters in the Middle Rocky Mountains

**[139] GENERAL SESSION ■ EXPERIMENTAL ARCHAEOLOGY**
**Room:** Golden Gate 4
**Time:** 6:00 PM - 8:00 PM
**Chair:** Colleen Bell

**Participants:**

6:00 Rhiannon Stammers, Andy Herries and Nicola Stern—Testing the Greasy Lustre: A Mass Gloss Analysis of Coarse Grained Silcrete from the Willandra Lakes World Heritage Area, South-Eastern Australia

6:15 Katherine Sterner-Miller, Robert Jeske and Robert Ahlrichs—

Understanding Oneota Stone Tool Functions: A Case Study of Precision and Accuracy in Use-Wear Analysis
6:30 Kevin Smith—Examining the Function of Lithic Crescents as Transverse Projectile Points: An Experimental Approach
6:45 Emma James, Erik Otárola-Castillo, Jessica Thompson and Shannon McPherron—Human Volunteers and Mechanical Arms: Quantitative and Comparative Analysis of Bone Surface Modifications Created by Humans and Machines
7:00 Kathryn Frederick—Holes: The Beginners Guide to Food Caching
7:15 Angelique Neffe—Jade Polishing Techniques in NW Alaska, from the End of the 1st Millennium AD to the 18th Century
7:30 Sarah McCormick—Manufacturing Basketmaker III Bone Objects
7:45 Colleen Bell—What Were They Thinking? Using Electroencephalogram (EEG) to Map Brain Activations during Stone Tool Manufacture

**[140] SYMPOSIUM ■ CHRONOLOGY, EXCHANGE, IDENTITY: ELEMENTAL ANALYSIS OF GLASS BEADS FOR ASSESSING REGIONAL INTERACTION**
**Room:** Continental Parlor 3
**Time:** 6:00 PM - 8:30 PM
**Chairs:** Heather Walder and Adrianne Daggett

**Participants:**
6:00 Alicia Hawkins, Joseph Petrus and R.G.V. Hancock—LA ICP-MS Analysis of Glass Beads from 17th Century Huron-Wendat Sites in Ontario
6:15 Dennis Blanton and Elliot Blair—The Complex Story of Complex Beads: Elemental Analysis of Some Early Types from the Southeastern US
6:30 Jessica Dalton-Carriger and Elliot Blair —Answering Chronological and Regional Interaction Questions via pXRF and LA-ICP-MS Analyses in the Interior Southeast
6:45 Heather Walder—"A Thousand Beads to Each Nation:" A Social Interpretation of Glass Trade Bead Distribution in the Upper Great Lakes Region of North America
7:00 Marilee Wood and Laure Dussubieux—Chemical Analysis of Chinese and other Lead Glass Beads from Songo Mnara, Tanzania
7:15 Abidemi Babalola, Laure Dussubieux and Susan McIntosh—Glass Beads from Igbo Olokun, Ile-Ife: Chemical Composition,

Production, and Regional Interaction
7:30 Vanessa Muros, Nikos Zacharias, William Shelley and Ioanna Kakoulli—The Technology and Trade of Glass in SE Europe: Analysis of 12th–9th c. BC Beads from Lofkënd and Methone
7:45 Mark Aldenderfer and Laure Dussubieux—Regional Connections Identified through the Analysis of Glass Beads from Samdzong, Upper Mustang, Nepal, CE 500
8:00 Laure Dussubieux and Thomas Oliver Pryce—Elemental Composition of Iron Age Glass Beads from Myanmar
8:15 Questions and Answers

**[141] SYMPOSIUM ■ PRECERAMIC AND EARLY AGRARIAN COMMUNITIES IN THE BASIN OF MEXICO: NEW PERSPECTIVES**
**Room:** Continental Ballroom Parlor 9
**Time:** 6:00 PM - 8:30 PM
**Chairs:** Emily McClung De Tapia and Guillermo Acosta Ochoa
**Participants:**
6:00 Emily McClung De Tapia—Geoarchaeological and Environmental Studies in the Basin of Mexico
6:15 Guillermo Acosta Ochoa and Emily McClung de Tapia—Early Agrarian Societies in the Basin of Mexico: Challenges and Perspectives
6:30 Iran Rivera and Sergey Sedov—Paleosols and Human Activities in the Lakebed Area of the Basin of Mexico during the Middle Holocene
6:45 Diana Martinez-Yrizar, Carmen Cristina Adriano Morán, Emilio Ibarra-Morales and Isay Alan Martínez-Flores—Restos botánicos del sitio Precerámico de San Gregorio Atlapulco
7:00 Víctor Hugo García Gómez and Guillermo Acosta Ochoa—Procedencia e Intercambio de obsidiana durante el Holoceno Medio en la Cuenca de México (ca. 6200–5000 calBP). Un análisis mediante pXRF
7:15 Dan Healan—The Obsidian Industries of Altica, Mexico
7:30 Georgina Ibarra, Felipe Ramírez, Elizabeth Solleiro and Sergey Sedov—Soil, Landsurfaces and Settlements Under Lava: The Case of Cuicuilco, Mexico
7:45 Ximena Ulloa-Montemayor, Joaquín Arroyo-Cabrales, Eduardo Corona-M., José Alberto Cruz and Diana Karina Blancas—Estudio Arqueozoológico del sitio precerámico de San Gregorio, Xochimilco, México
8:00 Jeffrey Parsons—Discussant
8:15 Questions and Answers

**[142] SYMPOSIUM ■ THE TECHNOPOLITICS OF ANCIENT INFRASTRUCTURES**
**Room:** Plaza B
**Time:** 6:00 PM - 8:30 PM
**Chair:** Darryl Wilkinson

**Participants:**

6:00 Darryl Wilkinson—Theorizing Infrastructure
6:15 Peter Johansen and Andrew Bauer—The Techno-Politics of Water and Iron: Resource Materialities in South Indian (Pre)History
6:30 Uzma Rizvi—Harappan Urbanites: Standardization, Ratios and Subjectivity
6:45 Stephen Berquist and Edward Swenson—Infra-Structuration of Imperial Power in Ancient Ankgor and the Andes
7:00 Victor Raharijaona and Susan Kus—: "My Only Equal [as Sovereign of this Land] is Rice": The "Technology" of Rice Production Politically Deployed and Ideologically Appropriated in Early Merina "States" of Central Madagascar
7:15 Questions and Answers
7:30 Benjamin Skousen—Pilgrimage Centers, Infrastructure, and Cahokian Politics
7:45 Scott Hutson—Inter-site Causeways as Political Infrastructure in the Northern Maya Lowlands
8:00 Sarah Jackson—Human-Object Relationships in Classic Maya Contexts: Object Technologies, Political Participants, and Cultural Infrastructures
8:15 Rebecca Bria—The Infrastructure of Community: Agricultural Intensification and the Development of Corporate Groups at Hualcayán, Peru

**[143] SYMPOSIUM ■ CACHE CAVE IN CONTEXT: UNVEILING NEW DISCOVERIES IN SOUTH CENTRAL CALIFORNIA**
**Room:** Yosemite A
**Time:** 6:00 PM - 8:30 PM
**Chairs:** David Robinson, Julienne Bernard and John Johnson

**Participants:**

6:00 Julienne Bernard, David Robinson and John Johnson—Introducing the Cache Cave Archaeological Project: Background, Aims, and Methods
6:15 David Robinson and Julienne Bernard—Cache Cave: Site

Structure and Chronology
6:30 David Earle and John R. Johnson—Ethnohistoric Insights Pertaining to the Emigdiano Chumash and Other Southern San Joaquin Valley Indigenous Groups
6:45 Michelle Wienhold, Alana Springer and Abby Viselman—Cache Cave in Context: 3D Scanning Complex Cave Environments for Mapping and In-Situ Documentation of Artifacts
7:00 Edward Jolie—Preliminary Insights from the Cache Cave Textile Assemblage
7:15 Gloria Brown, Daniel Reeves and David Robinson—Serrated Scapular Tools from Cache Cave
7:30 Allison Hill and Julienne Bernard—Assessing the Use of Lithic Artifacts in the Manufacture of Fiber Technolgies at Cach Cave
7:45 Dan McArthur and David Robinson—Cave Sticks? An Investigation in to the Use and Purpose of Bifurcated Sticks Found in Cache Caves
8:00 Timothy Murphy IV—Contextual Implications: Excavating Open Air Sites Adjacent to Cache Cave
8:15 Daniel Reeves—Signs of Authority? Symbolic Media and Items of Personal Adornment from Cache Cave

**[144] SYMPOSIUM ■ THE MATACANELA ARCHAEOLOGICAL PROJECT 2014**
**Room:** Continental Parlor 2
**Time:** 6:00 PM - 8:30 PM
**Chairs:** Marcie Venter and Xochitl Leon Estrada
**Participants:**
6:00 Marcie Venter—Introduction to the Matacanela Archaeological Project: Collapse and Political Reorganization in a Lowland Mesoamerican Society
6:15 Mauricio Cuevas and Carl Shields—Mapping Matacanela—The Complementary Work of Topographical Survey and LiDAR
6:30 Xochitl Leon Estrada and Heather Seale—Settlement at Matacanela: Preliminary Interpretations
6:45 Sara Rosiles Hernandez and Philip J. Arnold III —Surface Ceramic Distributions at Matacanela, Southern Veracruz, Mexico
7:00 Shayna Lindquist and Xochitl Leon—The Obsidian of Matacanela
7:15 George Crothers, Justin N. Carlson, David Gárate and Matthew Litteral—Electromagnetic Induction Survey at Matacanela to Detect Off-Mound Structures and Landscape Features
7:30 Lourdes Budar—Prehispanic Sculpture from Matacanela

7:45 Maximiliano Sauza and David Gárate—Perceptions of the Matacanela Archaeological Site by the People of Zapoapan de Cabañas
8:00 Deborah Nichols—Discussant
8:15 Questions and Answers

**[145] SYMPOSIUM ■ TRIBES, CHIEFDOMS AND EARLY STATES IN LATE PREHISTORIC JAPAN**
**Room:** Golden Gate 3
**Time:** 6:00 PM - 8:30 PM
**Chair:** Ken-ichi Sasaki

**Participants:**
6:00 Masaki Shibata—History of Research into the Jomon-Yayoi Transition
6:15 Kazunori Misaka—Beginning of Agriculture and Immigrants from the Korean Peninsula in Prehistoric Japan
6:30 Atsushi Uemine—Settlement Expansions during the Yayoi Period, Japan
6:45 Kunihiko Wakabayashi—Wars and Battles as Cultural Phenomena in Bronze and Early Iron Age of Japan
7:00 Gen Miyoshi—Transition from the Yayoi to Kofun Periods in Third Century A.D. Japan
7:15 Yutaka Tanaka—Wide-Range Regional Interaction Prior to State Formation in Late Prehistoric Eastern Japan
7:30 Masanori Kawano—Spread of Digging Tools and the Social Change in Kofun Period Japan
7:45 Joseph Ryan—The Role of Iron Weaponry and Martial Ideology in the Political Consolidation of Early Japan
8:00 Ken-ichi Sasaki—Adoption of Horse-Riding Practices in Fifth-Century Japan and its Political Significance
8:15 Tetsuo Hishida—A Religious Perspective on State Formation Process in Seventh Century A.D. Japan

**[146] SYMPOSIUM ■ THE ARCHAEOLOGY OF COMMON SENSE**
**Room:** Continental Ballroom 4
**Time:** 6:00 PM - 8:30 PM
**Chairs:** Pamela Geller and Ann Kakaliouras

**Participants:**
6:00 Thomas Patterson—Too Much Common Sense, Not Enough Critical Reflection
6:15 Larry Zimmerman—On the Need for More "Gut Theory" in

Academic Archaeology
6:30 Jason De Leon—The Edge of Humanity: Why Commonsensical Notions about Nature Impede our Understandings of Structural Violence in the Arizona Desert
6:45 Ann Kakaliouras—Quantifying Indianness: Commonsensical Practice in U.S. Bioarchaeology and Skeletal Biology
7:00 Jon Daehnke—Turning Privilege into "Common-Sense": Truth-Claims and Control of Cultural Heritage
7:15 Pamela Geller—Love Never Dies?
7:30 Shankari Patel—Women, Reproduction, and Fertility: How "Common-Sense" Assumptions of the Present Filter into the Mesoamerican Past
7:45 Michael Frachetti—The Common Sense of Institutions and Modalities of Happiness
8:00 Ian Hodder—Discussant
8:15 Agustin Fuentes—Discussant

**[147] SYMPOSIUM ■ HERE BE DRAGONS: ARCHAEOLOGY IN NORTH CENTRAL BELIZE**
**Room:** Golden Gate 8
**Time:** 6:00 PM - 8:45 PM
**Chairs:** Helen Haines and Kerry Sagebiel
**Participants:**
6:00 Sherman Horn, Terry Powis and David Pendergast—Of Watery Rocks and Slumbering Crocs: A Reappraisal of the Middle Preclassic at Altun Ha and Lamanai
6:15 Joshuah Lockett-Harris, Helen Haines and Kerry Sagebiel—Place Making, Authority, and Ancestors: New Evidence of Developing Middle Formative Socio-Political Complexity from Ka'Kabish, Northern Belize
6:30 Karen Pierce, Claude Belanger and Elizabeth Graham—Recent Excavations in the 'Ottawa' Plaza N10[3] Palace Group at Lamanai
6:45 Kerry Sagebiel—Dragons through a Ceramic Lens: Evidence for a North-Central Belize Ceramic (Sub-)Sphere
7:00 Anne Pyburn—The Same, but Different
7:15 Helen Haines and Sagebiel Kerry—"A Mischief that is Past and Gone": Situating Ka'Kabish in the Larger Ancient Maya Political
7:30 Toni Gonzalez and Helen R. Haines—"Forth from this Dark and Lonely Hiding Place": Chultun Excavations at Ka'Kabish
7:45 Carmen Ting—The Production and Exchange of Early Postclassic Elite Wares in the Eastern Maya Lowlands

8:00 Scott Simmons and Elizabeth Graham—The Island and the Mainland: Connections between Maya Communities on Ambergris Caye and North-Central Belize
8:15 Sarah Wolff and Tracie Mayfield—Recent Historical-Archaeological Study of the Late-Colonial Period at Lamanai, Belize
8:30 David Pendergast—Discussant

**[148] SYMPOSIUM ■ NEW PERSPECTIVES IN FOLSOM ARCHAEOLOGY**
**Room:** Golden Gate 6
**Time:** 6:00 PM - 8:45 PM
**Chair:** Brooke Morgan
**Participants:**
6:00 Robert Lassen—Making Sense of the Variation in Folsom Projectile Point Technology
6:15 Thomas Jennings—Exploring the Relationship between Folsom and Midland Points in the Southern Plains
6:30 John Seebach—Folsom Toolkit Replenishment at Chispa Creek, Texas: Comparing Bifacial to Unifacial Technologies
6:45 Leland Bement—Beaver River Complex Contribution to Folsom Archaeology: An Update and Future Directions
7:00 Kristen Carlson—Folsom Adaptations to Bison Hunting: A Comparison of Northern and Southern Plains Arroyo Trap Kills
7:15 Brendon Asher—Folsom from the Continental Divide to the Plains-Woodland Border: Examining Patterns in Artifact Distribution and Lithic Procurement
7:30 William Reitze—Folsom on the Edge of the Plains: Occupation of the Estancia Basin, Central New Mexico
7:45 Brooke Morgan and Brian Andrews—Folsom Households and Community Structure: A New Look at Hunter-Gatherer Lifespace
8:00 Todd Surovell and Matthew O'Brien—Ethnoarchaeological Perspectives on Folsom Households
8:15 Frederic Sellet—Discussant
8:30 Questions and Answers

**[149] GENERAL SESSION ■ GLOBAL STUDIES IN ROCK ART ANALYSIS AND INTERPRETATION**
**Room:** Franciscan CD
**Time:** 6:00 PM - 8:45 PM
**Chair:** Jennifer Huang
**Participants:**

6:00 Kendra Rodgers—Using GIS in Archaeological Research: A New Look at Hunting Rock Art Sites
6:15 Ghilraen Laue—Exploring Regionality: A Chaîne Opératoire Approach to 'Style' in the Rock Art of the Eastern Cape Province, South Africa
6:30 Sam Challis—Medicine Dog; Medicine Baboon: Images of Horses Perceived by Contact Cultures in Rock Art
6:45 Nicole Lohman—New Methods for Rock Art Recording at Petrified Forest National Park
7:00 Jonathan Dubois—Exchanges in Stone: Tracing the influence of Amazonian Peoples on Andean Ones as Expressed in the Rock Art of Huánuco, Peru
7:15 Joan-Mary Ogiogwa—Cultural Survivals and Social Memories
7:30 Lourenco Pinto—Understanding Variation: Stylistic Ethnographic Aanalysis of Rockart from the Makgabeng Plateau, Limpopo Province, South Africa
7:45 Robert Haubt—The Rock Art Database: Centralizing and Streamlining Heritage Data Using the CIDOC Reference Model
8:00 David Reid—Rock Art and Prehistoric Roads: The Connection in Southern Peru
8:15 Jennifer Huang and Jane Kolber—What the Imagery Offers: Rock Art in the Study of Ancient Chacoan Culture
8:30 Audrey Lindsay, Victoria L. Muñoz, Jeremy B. Freeman and Carolyn E. Boyd—High Tide in the Lower Pecos: Digital Documentation of the Threatened Rattlesnake Canyon Mural

**[150] GENERAL SESSION ■ THE ARCHAEOLOGY OF THE PALEOINDIANS AND EARLY NEW WORLD OCCUPATIONS**
**Room:** Yosemite C
**Time:** 6:00 PM - 8:45 PM
**Chair:** Gary Haynes

**Participants:**
6:00 Amy Nelson and Jordan Pratt—Investigation and Analysis of Anthills Found in Archaeological Settings in the Northern Great Basin
6:15 Danielle Felling—Lithic Technological Organization at Last Supper Cave: Reconstructing Paleoindian Mobility and Landscape Use at an Upland Site in Northwestern Nevada
6:30 Heather Smith—The Late Pleistocene Transmission of Fluted-Point Technology Across a Continent: A Morphological Investigation
6:45 William Jerrems—The Rise and Fall of Lake Lahontan and the

Climactic Implications for Paleoindian Inhabitants of the Great Basin
7:00 John Lambert, Thomas Loebel and Matthew Hill—Paleoindians on the Postglacial Margin: Early Holocene Hunter-Gatherer Mobility in Northern Wisconsin
7:15 Jesse Tune—Defining Cumberland Lithic Technology: A Study of Biface Technological Variation and Landuse Patterns
7:30 David Kilby, George Crawford and Stacey Bennett—New Investigations into a Late Paleoindian Bison Kill and Terminal Pleistocene Environmental Change at Blackwater Draw Locality 1
7:45 Zachary Singer and Brian Jones—Documenting Variability among a Geographic Cluster of Paleoindian Sites on the Mashantucket Pequot Reservation in Southeastern Connecticut
8:00 Marsha Sims—The Southern Hummingbird, Give Me Five
8:15 Gary Haynes—The Inglewood Mammoth (Maryland) and Others Like It
8:30 Rafael Suarez—Living on the River Shore: Late Pleistocene and Early Holocene Human Adaptations in the Uruguay River Basin

**[151] SYMPOSIUM ■ NEW PERSPECTIVES ON THE IZAPA STATE**
**Room:** Golden Gate 5
**Time:** 6:00 PM - 9:00 PM
**Chairs:** Robert Rosenswig and Julia Guernsey
**Participants:**
6:00 John Clark—Discussant
6:15 Rosemary Lieske—A History of Izapa Group B: Buildings, Burials, and Offerings
6:30 Rebecca Mendelsohn—New Discoveries in the Izapa "Protoclassic" and Early Classic Periods
6:45 Julia Guernsey—Izapa and the Iconography of Water and Economics
7:00 Stephanie Strauss—Izapa's Place in the Discourse on Early Hieroglyphic Writing
7:15 Jose Luis Macias, José Luis Arce, Paul W Layer and Ricardo Saucedo —Volcanic Hazards Posed by Tacaná to the Soconusco Region
7:30 Robert Rosenswig—Defining the Izapa Polity with Lidar and Pedestrian Survey
7:45 Michael Blake, Robert Rosenswig and Nicholas Waber—Izapa's Hinterland: The Use of Lidar Mapping to Examine the Layout and Spatial Orientation of Secondary Centers in the Soconusco

Region, Chiapas, Mexico
8:00 Hector Neff, Paul Burger, Sachiko Sakai, Timothy Garfin and Marx Navarro Castillo—Izapa's Industrial Hinterland: The Eastern Soconusco Mangrove Zone during Archaic and Formative Times
8:15 Michael Love—El Triangulo del Sur: Izapa, Takalik Abaj, and El Ujuxte
8:30 Christopher Pool and Michael Loughlin—Transisthmian Ties: Epi-Olmec and Izapan Interaction
8:45 Questions and Answers

**[152] GENERAL SESSION ■ MARINE ZOOARCHAEOLOGY AND MARITIME ECONOMIES**
**Room:** Yosemite B
**Time:** 6:00 PM - 9:00 PM
**Chair:** William Marquardt
**Participants:**
6:00 Daniela Klokler—Fish Heads that Turn Heads: Catfish from Cabeçuda Shell Mound
6:15 Maria Gaspar and Daniela Klokler—Shell Mounds from Southern and Southeastern Brazil
6:30 Carol Colaninno—The Fisherfolk of the Two Late Archaic Shell Rings on St. Catherines Island: Similarities and Differences in Contemporaneous Coastal Economies
6:45 William Marquardt and Laura Kozuch—The Practical and Spiritual Significance of the Lightning Whelk
7:00 Carola Flores-Fernandez—Effect of Past Ecological and Oceanographic Variability on Shellfish Harvesting and Suitability of Coastal Locations. A Case Study from two Late Holocene (2200–500 cal B.P) Sites on Santa Cruz Island, California
7:15 Valentina Figueroa Larre, Carola Flores and Diego Salazar—Production and Distribution of Fishing Artifacts on Mussel Shells (Choromytilus chorus) during the Middle Holocene on the Coast of Taltal, Atacama Desert, Chile
7:30 Carla Hadden, Maran E. Little, C. Frederick T. Andrus and Gregory A. Waselkov—Stable Oxygen Isotopic Evidence of Mobility and Site Seasonality on the Northern Gulf of Mexico, USA
7:45 Ariana Lambrides and Marshall Weisler—Investigating Resource Sustainability during Two Millennia of Occupation on Ebon Atoll, Marshall Islands: The Ichthyoarchaeological Evidence
8:00 Roger Sierra, Traci Ardren and William Pestle—Preliminary

Analysis of Marine Shell Artifacts in the Southern Florida Keys
8:15 Peter Veth—Pleistocene Maritime Economies of Northwest Australia
8:30 Stephanie Jolivette, Amanda Taylor and Sarah Van Galder—Accessing and Assessing Coastal Shell Middens on Private Property in the Pacific Northwest
8:45 Eric McLay—Ancient Clam Gardens of the Southern Gulf Islands

**[153] GENERAL SESSION ■ ETHNOARCHAEOLOGY, ETHNOHISTORY, AND ETHNOGRAPHY IN ARCHAEOLOGY**
**Room:** Franciscan AB
**Time:** 6:00 PM - 9:15 PM
**Chair:** Timothy Dennehy

**Participants:**
6:00 Mari Carmen Serra Puche—Ethnoarchaeology of Productive Activities Xochitecatl-Cacaxtla
6:15 Patrick Wilkinson—Cave Vodou in Haiti: An Ethnoarchaeological Approach
6:30 Walter Dodd—Oh What a Tangled Web: The Symbolic Use of Road Trash to Advertise Drug Sales
6:45 Ann Laffey—What's in your Ancient Chicha?: Ethnoarchaeology and Organic Residue Analysis
7:00 Kevin McGeough and Jerimy Cunningham—Framing the "Ethnoarchaeological" Other: The Direct Historical Approach in Victorian Bible Customs Books
7:15 Pascale Meehan and Rachel Egan—Ethnohistory, Oral Tradition, and Archaeology: Examples from Oaxaca, Mexico and the Four Corners Region of the United States
7:30 Brian Hayden and Suzanne Villeneuve—The World of Secret Societies: Dynamics from the Northwest
7:45 Angus Mol, Lesley-Gail Atkinson and Hayley Mickleburgh—At the Edge: Jamaican Amerindians and the Colonial Encounter
8:00 Amanda Sutton—Toward a Theory of Dispersal as an Adaptive Strategy: Adoption, Migration, and Cultural Survival in the Archaeological Record
8:15 Melissa Darby—Zelia Nuttall and The Vexed Question: Between the Devil and the Deep Blue Sea
8:30 Maren Hopkins—From Orioles to Airplanes: O'odham Traditional Cultural Properties and Traditions of Travel through the Western Papaguería
8:45 Timothy Dennehy—Free or Despotic? The Distribution of

Hunter-Gatherer Ethnolinguistic Groups in California
9:00 Russell Greaves and Karen Kramer—Play, Learning, Games, and Chaos: Ethnoarchaeology of Children's Contributions to Archaeological Site Formation

**[154] SYMPOSIUM ■ CONSUMING LANDSCAPES**
**Room:** Continental Ballroom 5
**Time:** 6:00 PM - 9:30 PM
**Chairs:** Julie-Anne Bouchard-Perron, Leslie Bode and Alexandra Livarda

**Participants:**
6:00 Taylor Zaneri—Food and Identity In the Urban Landscape
6:15 T. Thurston and Aadel Franzén—Opulent Harvest in a Kingdom of Stones: Landscape and Livelihood in a Marginal Upland Zone
6:30 Erendira Quintana Morales—A Social Topography of Fishing: Exploring the Spatial Variability of Fish Consumption Practices at Songo Mnara
6:45 Kevin Gibbons and George Hambrecht—Icelandic Livestock Improvement and an Emerging National Identity: Biometrical and Genetic Markers of a New Landscape
7:00 Richard Madgwick, Angela Lamb and Jane Evans—Pigs and Power Centres in Late Neolithic Britain
7:15 Maria Ivanova and Elena Marinova—Heading North: Landscape Use and Food Technology at the Initial Stage of Farming Expansion in the Balkans
7:30 Chantel White, Demetri Brellas and Nathan Arrington—Food from the Hinterlands: Integrated Faunal and Archaeobotanical Studies at a Classical Emporion, Thrace
7:45 Scott Macrae and Gyles Iannone—Applying Adaptive Cycles to the Life History of Ancient Maya Agricultural Systems
8:00 Paul Ewonus—A Geography of Foodways in the Salish Sea, Pacific Northwest Coast
8:15 Julie-Anne Bouchard-Perron—Colonialism, Nationalism and the Appropriation of New Landscapes: Consuming Old and New Worlds in Historical Quebec City (Canada)
8:30 Elizabeth Scott—Consuming the French New World
8:45 Questions and Answers
9:00 Leslie Bode—Discussant
9:15 Alexandra Livarda—Discussant

**[155] GENERAL SESSION ■ GLOBAL STUDIES IN GEOARCHAEOLOGY**

**Room:** Continental Ballroom 6
**Time:** 6:00 PM - 9:30 PM
**Chair:** Jacob Winter

**Participants:**

6:00 Flora Schilt, Susan Mentzer, David Wright, Jessica Thompson and Elizabeth Gomani-Chindebvu—Micromorphology of Middle to Later Stone Age Sites at Mwanganda's Village, Northern Malawi

6:15 Roger Werner and Val Dufeu—Micromorphological Studies from the Clear Lake Basin California

6:30 Rachel Cajigas and James Watson—Determining Construction Materials and Soil Formation Processes at a Burial Mound in Northwest Mexico Using Soil Micromorphology

6:45 Debora Trein—Human Impact on a Monumental Landscape at the Microscopic Level: An Ancient Maya Community and its Temple

7:00 Michael Grooms, Norman Easton, Mary Samolczyk and Joel Cubley—Geoarchaeology at the Little John Site (KdVo-6), Yukon Territory, Canada

7:15 Carleton Jones—Dating Ancient Field Walls in Karst Landscapes Using Differential Bedrock Erosion

7:30 J. Emili Aura Tortosa, Oreto García Puchol, Jesus F. Jorda Pardo, Yolanda Carrion and Margarita Vadillo—Geoarchaeology, Paleobiology and Archaeology of Rock-shelters and Caves from Valencia (Spain)

7:45 Jessica Thompson, Christopher Merriman, Clayton Meredith, Keith Prufer and Megan Walsh—Human-Climate-Landscape Interactions within the Rio Blanco Basin, Southern Belize

8:00 Kenneth Tankersley—Quaternary Chronostratigraphy and Archaeology of Big Bone Lick, Kentucky, USA

8:15 Robert Rowe and Collin Rucker—Archaeology in a Cretaceous Swamp

8:30 John Turck and Joseph Schuldenrein—The Geoarchaeology of Two Riverine Sites in New Jersey

8:45 Nichole Bettencourt and Rafael Segura-Llanos—A Tale of Two Styles: A Geoarchaeological Investigation into Lima & Ychsma Construction Materials at Cajamarquilla, Peru

9:00 Jacob Winter, Michael Frachetti and T.R. Kidder—Using Geoarchaeological Methods to Evaluate Site Integrity at Dali, Kazakhstan

9:15 Rosicler Silva and Julio Cezar Rubin de Rubin—Geoarchaeological Issues in Lago Rico Archaeological Site, Central Plateau of Brazil