86th Annual Meeting of the Society for American Archaeology Online

Preliminary Schedule

Special Events

Friday ■ April 2, 2021

FIRST-TIME ATTENDEE AND NEW MEMBER MEETING ORIENTATION
Time: 10:00 a.m.–10:30 a.m. EDT

Come and get the scoop on how to navigate the Annual Meeting Online—what not to miss and how not to miss it. Meet the SAA’s Staff Archaeologist, Executive Director, and the Annual Meeting Ombuds through Zoom and ask questions through text chat. We would like to welcome you to our first virtual meeting with this brief but info-packed session. See you there!

We’re also offering a second time slot on Monday, April 5, at 3:00 p.m.–3:30 p.m. EDT, so that you can choose the one that works best for your schedule. Our maximum capacity for each slot is 95 attendees, and it is first come, first serve. The first session will be recorded so that the video can be available for others. Free. Please sign up for either at www.saa.org/meeting

Monday ■ April 12, 2021

WORKSHOP: TEACHING INTEGRITY IN EMPIRICAL ARCHAEOLOGY
Time: 3:00 p.m.–5:00 p.m. EDT
Instructors: Ben Marwick and Liying Wang
Sponsored by Project TIER

This workshop is designed for educators who are interested in integrating principles of transparency and reproducibility into teaching archaeology. We will introduce participants to protocols for conducting and documenting empirical research that ensures the reproducibility of all computational results, and then present a range of pedagogical strategies and curricular resources for teaching these methods to students in a variety of educational settings. The objective is to help instructors develop plans for teaching reproducible research practices that will be feasible and effective in their particular contexts, so that they are fully prepared to implement the methods presented at the workshops when they return to their home institutions. Participants will also be introduced to opportunities to collaborate with the SAA Open Science in Archaeology Interest Group in the development and dissemination of curricular resources for practicing and teaching transparent research methods. The ultimate goal is to foster the development of a community of educators committed to the idea that transparency and reproducibility should be integrated into all levels of research training for students in archaeology. Fee will be donated to the Native American Scholarship Endowment, which makes undergraduate and graduate scholarships possible. $5/registrant. Please sign up at www.saa.org/meeting

All Times Are in Eastern Daylight Time (EDT)
**Tuesday ▪ April 13, 2021**

**WORKSHOP: POWER, RESPONSIBILITY & ACCOUNTABILITY**

**Time:** 3:00 p.m.–5:00 p.m.

Instructors: Laura Heath-Stout, Meagan Thies-Sauder, and Gabriela Oré

Sponsor: Meeting Safety Committee

This workshop was created by the SAA Meeting Safety Committee in collaboration with Futures Without Violence (https://futureswithoutviolence.org/) to identify, address, and prevent sexual misconduct and bullying in archaeological practice. The group facilitators will use the first part of the workshop to inform on the role power dynamics plays in sexual misconduct and bullying and ways to address and prevent it in the workplace. In the second part, the group facilitators will lead the group through a series of prompted questions to explore power dynamics, responsibility, and accountability in their respective work environments, where the skills acquired in the first section can be implemented. Fee will be donated to Futures Without Violence. $5/registrant. Please sign up at www.saa.org/meeting

**Wednesday ▪ April 14, 2021**

**OPEN FORUM: CHANGES TO STATEMENT ON HUMAN REMAINS**

**Time:** 11:00 a.m.–1:00 p.m.

Instructors: Karen Brunso and Lauren Sieg

Sponsors: Committee on Native American Relations and Committee on Repatriation

The chairs of Committee on Native American Relations (CNAR) and Committee on Repatriation (Repat) invite SAA members to a workshop on the revisions to the SAA Statement Concerning the Treatment of Human Remains. The current statement was approved in 1986 and needed updating to reflect the changes in archaeological practices since that time, especially after the passage of NAGPRA and efforts to decolonize the discipline. The SAA's Board tasked CNAR and Repat with drafting a new statement. The workshop will begin with a brief overview of the process that our two committees followed to draft the statement. A key feature of that process is member participation in the revisions, and this workshop is a final opportunity for comment before the SAA Board considers the new statement. The majority of the workshop will be an open forum for civil discussion in which SAA members can ask questions, share their thoughts, and provide constructive feedback on the draft statement. Board members will attend the workshop to listen to members' comments and participate in the conversation. Free. Please sign up at www.saa.org/meeting

**STUDENT WELCOME TO THE SAA**

**Time:** 5:00 p.m.–6:00 p.m.

Each year at the beginning of the Annual Meeting, the SAA sponsors a Student Welcome Reception. It is a chance for students to meet the SAA Board and one another before the meeting. With the SAA 86th Annual Meeting Online, we'll continue this event as a Student
Welcome to the SAA. This free one-hour Zoom session will help introduce students to the Board and different Interest Groups that the SAA offers. Using small-group break-out rooms, this will allow students to virtually network before the Annual Meeting. *Free. Please sign up before March 10 at* [www.saa.org/meeting](http://www.saa.org/meeting)

**Thursday ■ April 15, 2021**

**CHAT WITH EXHIBITORS**
*Time: 11:00 a.m.–1:00 p.m.*

You can check out the exhibitor hall anytime that is convenient with you but during this time, exhibitors will be specifically available to answer your questions.

**ARCHAEOLOGIST/ARTIFACT COLLECTOR INTEREST GROUP (ACCIG) BUSINESS MEETING**
*Time: 12:00 p.m.–1:00 p.m.*

**HERITAGE VALUES INTEREST GROUP ANNUAL MEETING**
*Time: 12:00 p.m.–1:00 p.m.*

**QUEER ARCHAEOLOGY INTEREST GROUP BUSINESS MEETING**
*Time: 12:00 p.m.–1:00 p.m.*

**17TH ANNUAL ETHICS BOWL AND DISCUSSION FORUM**
*Time: 1:00 p.m.– 5:00 p.m.*

The Ethics Bowl is a space where students and audience members can critically and creatively engage with the diverse ethical issues that face the practice of archaeology today. Each year, student teams come up with innovative arguments, considerations, and solutions that move the discipline forward. This year, the SAA Committee on Ethics and the Register of Professional Archaeologists invite practicing and professional archaeologists to take part in the discussion. Join us after the final round of the 2020 Ethics Bowl for a forum led by former contestants, judges, and supporters to discuss lessons learned from the SAA Ethics Bowl through the years. The forum will be a conversation during which archaeologists of all sectors can confer on past, current, and future trends in the ethics of our discipline. We will address the challenges of navigating ethics in practice as well as ideas about what role our core ethical principles may play in today’s changing world. It will also be an opportunity to celebrate the outstanding achievements of the student teams.
PRESIDENTIAL SESSION: WHAT IS AT STAKE? THE IMPACTS OF INEQUITY AND HARASSMENT ON THE PRACTICE OF ARCHAEOLOGY
Time: 2:00 p.m.–4:45 p.m.

Research and reporting on equity and harassment in the academy and across both public and private sectors has revealed the extent of chronic inequalities and significant problematic behaviors in a variety of workplace settings. Those most negatively affected by these often illegal behaviors are women, members of the LGBTQ+ community, and underrepresented minorities (URM). For archaeologists, workplaces include many locales (offices, labs, classrooms, field sites, conferences) and thus many potential sites for inequity, harassment, and assault to occur. This is not a women’s problem, but a disciplinary issue affecting the very performance of archaeology. In addressing this looming and serious problem, this session brings together both students and professionals to consider (1) equity (e.g., gender pay gap, publication/citation practices) and (2) sexual harassment and assault (e.g., as experienced by different subgroups, effects on professional outcomes, effective training and reporting, resources for survivors, etc.). Wherever possible, papers include recommendations for future directions at several scales (e.g., individuals, workplaces, field settings, conferences). This session is timely, and we hope that highlighting these issues at the forefront of the SAA’s annual meeting broadens the dialogue to the larger archaeological community so that we may collectively consider preventative solutions in addition to post-hoc sanctions.

PREHISTORIC QUARRIES AND EARLY MINES INTEREST GROUP (PQEMIG) BUSINESS MEETING
Time: 4:00 p.m.–5:00 p.m.

THE ZOOARCHAEOLOGY INTEREST GROUP (ZIG) ROUNDUP
Time: 4:30 p.m.–6:00 p.m.

WOMEN IN ARCHAEOLOGY INTEREST GROUP RECEPTION AND MENTORING
Time: 5:00 p.m.–6:00 p.m.

Friday  ■  April 16, 2021

CHAT WITH EXHIBITORS
Time: 11:00 a.m.–1:00 p.m.

You can check out the exhibitor hall anytime that is convenient with you but during this time, exhibitors will be specifically available to answer your questions.

AFRO-LATIN AMERICAN INTEREST GROUP RECEPTION
Time: 12:00 p.m.–1:00 p.m.
GET-TOGETHER FOR ARCHAEOLOGISTS OF EAST AND SOUTHEAST ASIA  
**Time:** 12:00 p.m.–1:00 p.m.

ISLAND AND COASTAL ARCHAEOLOGY INTEREST GROUP BUSINESS MEETING  
**Time:** 12:00 p.m.–1:00 p.m.

SAA ANNUAL BUSINESS MEETING  
**Time:** 4:00 p.m.–5:00 p.m.

Join us at the Annual Business Meeting and hear about SAA activities over the past year.

BIOARCHAEOLOGY INTEREST GROUP BUSINESS MEETING  
**Time:** 5:00 p.m.–6:00 p.m.

ROCK ART INTEREST GROUP BUSINESS MEETING  
**Time:** 5:00 p.m.–6:00 p.m.

Saturday • April 17, 2021

CURATION INTEREST GROUP SOCIAL  
**Time:** 12:00 p.m.–1:00 p.m.

HISTORY OF ARCHAEOLOGY INTEREST GROUP BUSINESS MEETING  
**Time:** 12:00 p.m.–1:00 p.m.

CRM EXPO  
**Time:** 1:00 p.m.–3:00 p.m.

The CRM Expo is jointly sponsored by ACRA and the SAA. The Expo showcases CRM practitioners and training programs. This is an excellent opportunity to meet firm principals and educators, learn about employment and training opportunities in CRM/heritage management, and hear about important CRM projects in your region. For more information, contact expo coordinator Teresita Majewski at tmajewski@sricrm.com.
Poster Sessions

(There are no assigned times for Poster Sessions—Posters will be available on demand throughout event)

[1] **POSTER SESSION • LITHIC ANALYSES AND RESEARCH**
**Room:** Poster Hall

**Participants:**
1-a Bethany Potter, Caroline Kisielinski, Justin Tackney, Dennis O’Rourke and Frederic Sellet—Bloody Sharp Rocks: Optimization of aDNA Extraction from Experimental Lithic Artifacts
1-b Ran Chen and Yue Wu—Beyond Projectiles: Experimental Study of Microblades as Cutting Tools
1-c Lisa Duffy and Timothy Garrett—Metabolomics in the Study of Ground Stone Tools
1-d Margaret Morris, Isabel Rivera-Collazo, John Hildebrand and Petr Krysl—Simulated Underwater Acoustic Detection of Knapped Stone

[2] **POSTER SESSION • CERAMIC ANALYSES FROM NORTH AND CENTRAL AMERICA**
**Room:** Poster Hall

**Participants:**
2-a Michelle Hegmon and Kari Schleher—Analyzing Mimbres Pottery Designs with Confidence
2-b Kathleen Barvick—Regional Variation Among Ancestral Pueblo Water Jars: A Geometric Morphometric Approach
2-c Nicholas Puente and Philip Arnold—Identifying the Archaeological Signatures of Inequality: An Analysis of Inequality at Late Formative La Joya and Bezuapan
2-d Rachel Whyte, Michael G. Callaghan and Brigitte Kovacevich—Working toward a Lost Cause? Comparing Handheld XRF Analysis to Neutron Activation Analysis and Petrography Using Maya Ceramics from Holtun, Guatemala
2-e Kia Taylor Riccio—Blurring Historical Lines: Cultural Divisions in the Lesser Antilles
2-f Dominique Sparks-Stokes—The Impact of Ceramic Raw Materials on the Development of Hopewell and Preclassic Maya Pottery

[3] **POSTER SESSION • PRACTICES IN EXCAVATION TECHNIQUES AND MATERIAL ANALYSES**
**Room:** Poster Hall

**Participants:**
3-a Emily McKenzie—For “Wood” Measure: Exploring the Applicability of Elemental Analysis in the Study of Charred Wood
3-b Margaret Beck—Red Paint in the Great Plains: Pawnee Pigment Collection and Use
3-c Crystal Dozier, Angelina Perrotti and Elayne Rye—Effects of Acetolysis on Starch Granules
3-d Tony Fitzpatrick—Collagen and Apatite Stable Isotope Values from Bison Bone at the Hell Gap Site

[4] **POSTER SESSION • SOCIAL ASPECTS OF IDENTITIES AND LANDSCAPES**
**Room:** Poster Hall

**Participants:**
4-a Erica Ivins, Colin Quinn, Horia Ciugudean, Gabriel Balan and Lacey Carpenter—Active Forgetting: Cemetery Abandonment and Mortuary Politics in Bronze Age Transylvania
4-b Sam Duwe—Nuute’owingeh: Complicating our Understanding of Historic Period Pueblo Settlement in the Northern Rio Grande
4-c Erika Blecha—The Boulder Glyphs: An Analysis of Prehistoric Conflict and Historic Ranching Lifeways along the Big Bend of the Rio Grande
POSTER SESSION ■ APPLICATIONS FOR ADVANCED COMPUTATIONAL ANALYSES
Room: Poster Hall
Participants:
5-a Lawford Hatcher, Katherine Chiou, Emily McKenzie, Caleb Ranum and Juan Monzon—Introducing Paleoenthnobotany to Machine Learning: A Case Study in the Genus Capsicum
5-b Julia Furlong, Jerry Galm and Stan Gough—Bayesian Analysis of Radiocarbon Assays from the Late Paleoindian Sentinel Gap Site

POSTER SESSION ■ CURRENT RESEARCH IN GEOARCHAEOLOGY
Room: Poster Hall
Participants:
6-a Heather Landazuri and Daniel Sandweiss—New Kid on the Block: El Niño-Modoki in Peru—Past, Present, and Future
6-b Michael Lewis, Molly Casperson and Amy Tadlock—Environmental Effects of Cyclical Reservoir Drawdown on Archaeological Resources: A Preliminary Case Study from Fall Creek Reservoir, Lane County, Oregon
6-c Juan Belardi, Silvana Laura Espinosa, Flavia Carballo Marina and Luis Horta—The Quarry in the Forest: The Case of the Upper Guanaco River (Southern Patagonia, Argentina)
6-d Denay Grund, D. Craig Young and Douglas Boyle—Developing a Geomorphic and Archaeological History of Painters Flat
6-e Richard Niquette, Bryon Schroeder and Rolfe Mandel—Preliminary Results of Geoarchaeological Investigations at the San Esteban Rockshelter (41PS20), Southwest Texas
6-f Samuel Arnold and Marcus Key—Lead Test of the Corotoman Reuse Hypothesis for the Stone Floor of Colonial Christ Church (Irvington, VA)
6-g Elizabeth Leclerc—Giving Form to Flow: Modeling Paleohydrology in North-Central Coastal Peru
6-h Isaac Ullah—A Sediment Granulometry Approach to Anthropogenic Landscape Impacts

POSTER SESSION ■ ARCHAEOLOGY OF CALIFORNIA AND THE GREAT BASIN
Room: Poster Hall
Participants:
7-a John Pryor and Shelby Jones-Cervantes—Burning Down the House: A Project that Is an Intersection of Tribal and Academic Interests
7-c Taryn Johnson and Anna Linderholm—The Prehistoric Diet: Genomic Analysis of Bonneville Estates Paleofeces, Nevada
7-d Megan McGuinness—Where to Inhabit First? Interpreting Western Stemmed Tradition Land-Use with the Ideal Free Distribution Model in Lake County, Oregon
7-e Bryna Hull, Jelmer Eerkens and Reba Fuller—Exploring Hunter-Gatherer Mobility Using Sulfur, Carbon, and Nitrogen
7-f Kaley Tucker, Lisbeth Louderback and Erick Robinson—Evidence for Geophyte Exploitation in the Green River Basin of Wyoming

POSTER SESSION ■ PRESENT AND SIGNIFICANT MATTERS IN ARCHAEOLOGY
Room: Poster Hall
Participants:
8-a Abigail Musch and Anna Semon—Unprecedented Times Lead to New Internship Strategies
8-b Sarah Giffin, Vanessa Armenta and Leah Grant—Veterans Curation Program in the Time of Corona
8-c Rosemary Lieske Vides—Entanglement and Colonial Power: A Geophysical Case Study of Settlement Patterns at Ciudad Vieja, El Salvador
8-d Eve Dewan, Brandon Gilliland, Lindon Hylton and Angelina Howell—Conscious Conservation in an Era of Catastrophe
8-e Matthew Gush—Visual Storytelling for a Modern Age

[9] POSTER SESSION ▲ ADVANCES IN BIOARCHAEOLOGY AND SKELETAL ANALYSES
Room: Poster Hall
Participants:
9-a Marta Alfonso-Durruty, Nicole Misarti and Andres Troncoso—Stable Isotope Evidence of Dietary Trends among Prehistoric Populations from the Semiarid Region, Chile
9-b Elizabeth Johnston and Michael Buckley—Use of Proteomic Methods for Biological Age Estimation at Death
9-c Leslie Fitzpatrick—Stable Isotopic Examination ($\delta^{18}$O, $\delta^{15}$N, $\delta^{13}$C) of Human Remains from the Santa Maria de Zamartze, Uharte-Arakil Municipality, Navarre Region, Spain
9-d Jennifer Dewey—Osteobiographical Investigations: The Case of Anomalies in the Spine
9-e Kaelyn Olson—A Statistical Exploration of Differences in Skeletal Element Prevalence Between Primary and Secondary Burials

[10] POSTER SESSION ▲ TOPICS IN DIGITAL ARCHAEOLOGY
Room: Poster Hall
Participants:
10-a Grant Snitker, Sean Bergin and Pete Cadena—R-Based Solutions for Synthesizing Cultural Resource Survey Data to Assess Changing Land-Use Patterns in the Okanagan-Wenatchee National Forest, WA
10-b William Whitehead—Recent UAV Data Collection and Integration with Traditional Archaeological Methodologies
10-d Justin Soares and Rui Mataloto—Metallic Motivations? Using GIS to Determine the Role of Metal and Mineral Resources in Changing Settlement Location Preferences between the Bronze and Iron Ages in Evora, Portugal (2200 BCE–400 CE)
10-e Keri Porter, Kaelyn Olson and Andrea Lopez—Free Photogrammetry: The Accuracy and Application of Open-Source SfM Software
10-f Andrea Carvey—Augmented Reality and Virtual Reality Applications in Archaeology
10-g Ted Parsons—Recent Developments in Small and Low-Cost 3D Scanning Systems
10-h Gabriela De La Puente-León, Sarah Coon, Francesca Fernandini and Erik Otárola-Castillo—Modeling Early Human Migration Patterns in South America: A Preliminary Spatial Analysis on the Peruvian Coastline Using Machine Learning and Bayesian Statistics
10-i Paula Hertfelder, Alejandra Abrego and Cinthia Campos—Integrating UAV-Based Photogrammetry, Digital Data Collection, and GIS during the Trincheras Tradition Project Excavations

Room: Poster Hall
Participants:
11-a Anna Semon—Surveying New York City Collections at the American Museum of Natural History
11-b Michael Smith and Aundria Arneson—The Growth Trajectories of Mesoamerican Cities
11-c Brian McKee, Fernando Zuleta, Katherine Cera and Christopher Taylor—Cerro Coroban: A Contact Period Lenca Site in Eastern El Salvador
[12] **POSTER SESSION ■ NORTH AMERICAN MIDWESTERN ARCHAEOLOGY**  
*Room:* Poster Hall  
*Participants:*  
12-a Devin Henson and Olivia Navarro-Farr—Reconsidering the Late Woodland: A Critical Reassessment through Decolonizing Approaches  
12-b Melissa Torquato and Erik Otárola-Castillo—The Effects of Regional Climate Change on the Foraging-Farming Transition in Eastern North America  
12-c Alecia Schrenk—Chronic Care in the Archaic Midwest: A Bioarchaeological Analysis of Healthcare Provisioning and Chronic Illness at Carrier Mills, IL (6000–3000 BC)

[13] **POSTER SESSION ■ ZOOARCHAEOLOGICAL ANALYSES FROM EUROPE AND NORTH AND SOUTH AMERICA**  
*Room:* Poster Hall  
*Participants:*  
13-a Miranda George, Ellizabeth Paris and Roberto López Bravo—Size and Morphology of Canid Skeletal Remains from Moxviquil, Chiapas, Mexico  
13-b Lana Dorr, Colin Quinn, Horia Ciugudean, Laura Motta and Lacey Carpenter—The Consequences of Cultural Encounters on Late Bronze Age Transylvania Cuisine and Subsistence Economies  
13-c Kelsey Gruntorad and Chrissina Burke—Re-creating and Rethinking Pot Polish: The Taphonomic Implications of Cooking Fauna  
13-d Derick Juptner and Jordan Pratt—Analysis of the Faunal Distribution at the Weed Lake Ditch site (35HA341), Southeastern Oregon  
13-e Matthew Hill, Erik Otárola-Castillo and Melissa Torquato—Long-Term Dietary Change among Hunters of the North American Great Plains  
13-f Kenneth Hladek and Molly Herron—Under the Scope: Nondestructive Methods of Analyzing Perishable Artifacts in Legacy Collections  
13-g Gwen Bakke—The Aftermath of Colonization: Wichita Subsistence Change in the Southern Plains

[14] **POSTER SESSION ■ CURRENT RESEARCH IN MORTUARY ARCHAEOLOGY**  
*Room:* Poster Hall  
*Participants:*  
14-a Alexandra Ritter, Paloma Cuello del Pozo and Jose L. Peña—Preliminary Study of Dental Health among Coastal Population at the Site of the Santo Domingo Cemetery in Huarmey, Peru  
14-b Hannah Haynes and J. Marla Toyne—Surrounded by the Dead: A Spatial Analysis of Kuelap’s Mortuary Practices, Chachapoyas, Peru  
14-c Sara Juengst, Sarah Rowe and Guy Duke—A Manteño Burial from Buen Suceso, Ecuador  
14-d Devon Howell, Jennifer Newton, Jocelyn Williams and Helen Haines—A Preliminary Analysis of Maya Dental Modifications at Ka’kabish, Belize  
14-e Sarah Jolly—The Bones of a Community: Mortuary Contexts over Time at Waywaka (Andahuaylas, Peru)  
14-f Sarah Luthman—A Multi-scale Comparative Study of Precontact Mortuary Variability in the Lower Mississippi River Valley
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**Room:** Poster Hall  
**Participants:**  
15-a Rachel Johnson and Jason Nesbitt—A Comparison of Ceramic Compositions from Canchas Uckro (Ancash) and the Cave of the Owls (Huánuco), Peru: Implications for an Upper Amazon Interaction Sphere  
15-b Stefanie Wai—Mapping Pottery: Tracking Technological Style on the Taraco Peninsula, Bolivia  
15-c Caleb Ranum—Plant Use in the Platform-Chamber Complex: A Paleoenthobotanical Study of Structure 1 at Alto Pukara, Taraco Peninsula, Lake Titicaca, Bolivia  
15-d Amanda Brock—Exploratory Mapping of Relationships between Late Preceramic Monuments and their Dynamic Environment in the Callejón de Huaylas, Peru

[16] **POSTER SESSION: ANDEAN ARCHAEOLOGY: MIDDLE HORIZON THROUGH LATE HORIZON**  
**Room:** Poster Hall  
**Participants:**  
16-a Rebecca Spring and Jessica Smeeks—Walls and Pathways: GIS Analyses of Defensibility and Spatial Organization, Huamanga Province, Peru  
16-b Noa Corcoran-Tadd, Arturo Rivera Infante, Barbara Carbajal Salazar and Sarah Baitzel—Todas las cremas: Shifting Landscapes of Mobility on the Far Southern Coast of Peru (AD 1000–1920)  
16-c Brandi MacDonald, Izumi Shimada, Marco Fernandez, Rafael Valdez and Ursula Wagner—Sicán Sociopolitical Organization in Lambayeque, Peru: Ceramic Compositional and Distributional Perspective  
16-d Megan LeBlanc—Quebrada Debris Flows, Hydrology, and Agriculture at Tacahuay Tambo  
16-e James Davenport—Thin Section Petrography of Inka Pottery from Pachacamac, Peru

[17] **POSTER SESSION: CONTRIBUTIONS TO ARCHAEOLOGY IN SOUTHEASTERN UNITED STATES**  
**Room:** Poster Hall  
**Participants:**  
17-a Kyle Freund, Silvia Amicone, Beatrice Boese, J.M. Adovasio and Allen Quinn—Petrographic Analyses of Prehistoric Ceramics from the Sexton Site (8IR01822), Indian River County, Florida  
17-b Sarah Gilleland and D. Andrew Merriwether—Preliminary Environmental DNA Results from the Poverty Point UNESCO World Heritage Site  
17-c Charles Rainville and Asa Randall—Geospatial Investigations into a Woodland Period Post Mold Alignment at the Silver Glen Springs Archaeological Complex, Florida  
17-d Victoria Pavlovics, Courtney Sprain, Lindsay Bloch and Neill Wallis—Rock Magnetic Characterization of Florida Pottery

[18] **POSTER SESSION: CONTRIBUTIONS TO PACIFIC ISLANDS ARCHAEOLOGY**  
**Room:** Poster Hall  
**Participants:**  
18-a Cyrus Hulen and Olivia Navarro-Farr—Songs, Storytellers, and Science: An Examination of Long-Distance Interaction in the Cook Islands  
18-b Joseph Effingham and Samantha Blatt—Dental Morphology of the Prehistoric Chamorro, Guam  
18-c Amy Brown—Community Training and Traditions: Accessing Archaeological Methodology In Creating a Baseline for Trail Stewardship
[19] **Poster Session: Ethnography and Ethnohistory in Archaeology**  
**Room:** Poster Hall  
**Participants:**  
19-a Emma Abell-Selby—Spaces of Control: Medical Practices within the US Army (1890–1950)  
19-b Camille Johnson, Rachel Kaufman, Cecelia Turkewitz and Rohan Walawalkar—Exposing Our Roots: Trinity University’s Legacy of Slavery  
19-c Megan Binkley—Late Mesolithic Foodways in Arctic and Subarctic Zones: An Ethnoarchaeological Approach  
19-d Michael Adler—A Cache of Colonial Period Religious Medallions from Picuris Pueblo, New Mexico  
19-e Gerad Smith—Household Archaeology of Shaw Creek, Alaska  
19-f Ben Ford and William Chadwick—Preliminary Results from Newport Site (36IN188)  
19-g Joanne Gallagher, Michael Padian, Abby Barrios and Brianna King—Green Rush Archaeology: An Overview of Cultural Confirmation and Economic Opportunities

[20] **Poster Session: Historic Archaeology Throughout North America**  
**Room:** Poster Hall  
**Participants:**  
20-a Christine Halling and Ryan Seidemann—Unidentified Oddity of the Petrous Portion of the Temporal Bone: A Case Study from a Historic Cemetery in Louisiana  
20-b Alex García-Putnam, Christine Halling and Ryan Seidemann—From Person to Specimen: Exploring the Necroviolence of Medical “Progress” from Charity Hospital Cemetery #2, New Orleans, LA (1847–1929)  
20-c Troy Lovata—Contemporary Wickiups in the Mountains of Northern New Mexico  
20-d Linda Scott Cummings—What’s in a Microscopic Signature? Can We See Social Acceptance and Resistance?  
20-e McKenzie Alford—Virtual Preservation of Archival Media from the Historic Freedman Sites of the Richland Creek Archaeological Project (Freestone and Navarro Counties, Texas)  
20-f Corinne Taylor, Megan Perry and Robert Tykot—Reconstructing the Childhood Diet of an Eighteenth- to Nineteenth-Century North Carolina Land-Owning Family  
20-g Lauren Hosek and Katelyn Bajorek—Worn Down: Dental Attrition and Dietary Differences at an Early Medieval Settlement in Central Europe  
20-h Ruth Trocolli, Christine Ames and Delande Justinvil—Pandemic2: Archaeology of the 1832 Cholera Epidemic in Washington, DC

[21] **Poster Session: Perspectives in Lithic Analysis**  
**Room:** Poster Hall  
**Participants:**  
21-a Neil Hauser—Investigating a Projectile Point Typology for the Uncompahgre Plateau in West Central Colorado  
21-b Kevin Gilmore, Jonathan Hedlund and Bonnie Clark—Through a Glass, Darkly: Shedding Light on Late Prehistoric Obsidian Conveyance and Apachean Ethnogenesis on the Western Great Plains of North America  
21-c Evan Holt, Brian Wygal, Kathryn Krasinski, Charles Holmes and Barbara Crass—A Statistical Analysis of Lower Component Lithic Data from the Holzman South Site, Shaw Creek Flats, Alaska  
21-d Donald Blakeslee—Who Hunted the Most Bison?  
21-e Haden Kingrey and Richard Rosencrance—The Pre-Mazama Projectile Point Sequence at the Roadcut Site (35WS8), Oregon  
21-f Cliff Creger—The Stage of the Quarry  
21-g Lynn Fisher, Susan Harris, Corina Knipper and Rainer Schreg—What’s in a Hammerstone? Insights on Core Technology at a Neolithic Quarry in Southern Germany
21-h Pedro Horta, João Cascalheira and Nuno Bicho—Lithic Adaptive Strategies of Early Modern Humans in Southwestern Iberia: New Data from Vale Boi’s layer 7 and 8

[22] POSTER SESSION ■ CLASSIC MAYA ARCHAEOLOGY, PART 1
Room: Poster Hall
Participants:
22-a Estevan Ramirez and Kenichiro Tsukamoto—Photogrammetric Documentation of Burials at the Archaeological Site of El Palmar, Mexico
22-b Eric Fries—The Desakota as a Model for Understanding Dense Urban-Agrarian Settlement among the Ancient Maya
22-c Amy Thompson, Gary Feinman and Keith Prufer—Classic Maya Household Inequality in Southern Belize
22-d Yesenia Landa and Kenneth Seligson—GIS Modeling of Precolonial Maya Natural Resource Management Strategies during Major Climatic Changes
22-e Jason Laugesen, Marisol Cortes-Rincon and Ravyn Torres—Geospatial Analysis of Material Culture in the Hinterlands in Northwestern Belize
22-f Thomas Crimmel and Yimeng Yan—Mapping Seasonally Inundated Wetlands within the Ancient Maya Center of El Pilar
22-g Alexandra Jonassen and Kenichiro Tsukamoto—Application of the Geospatial Method to On-Floor Assemblages: A Case Study from the Classic Maya City of El Palmar, Mexico
22-h Marina Lemly and Keith Prufer—A 5,000-Year History of Landscape Evolution in the Rio Blanco Valley of Uxbenká, Belize

[23] POSTER SESSION ■ CLASSIC MAYA ARCHAEOLOGY, PART 2
Room: Poster Hall
Participants:
23-a Scott Fedick and Louis Santiago—Evaluating the Food Values of Alternative Crops and Implications for Drought Effects on the Ancient Maya
23-b Luke Stroth, Mario Borrero and Geoffrey Braswell—Plant Use in Elite Domestic Context at Nim Li Punit (AD 150–830), Belize
23-c Jeffrey DeMario—A Petrographic Analysis of Ceramics from the Prehistoric Maya Site of Hun Tun in Northwestern Belize
23-d Sherman Horn and Anabel Ford—Terraces, Quarries, and Berms, Oh My! Evaluating Land Use and Landscape Modification at the Ancient Maya City El Pilar
23-e Cady Rutherford and Marisol Cortes-Rincon—Craft Production and Economic Integration in Hinterland Households
23-f Olivia Ellis, John Walden, Victoria Izzo, Kirsten Green Mink and Jaime J. Awe—A Diachronic Analysis of Gender Based Mortuary Practices in the Belize River Valley
23-g Gabriela Saldaña, Tia Watkins, Rosamund Fitzmaurice, Adam Jurský and Julie Hoggarth—Analysis of the Built Environment of the Group B Acropolis at Baking Pot: Results of the 2019 Field Season
23-h Ian Roa, John Walden, Michael Biggie, Gavin B. Wisner and Rafael A. Guerra—Reconstructing Diachronic Changes in Subsistence, Wealth, and Economic and Ritual Practices through Animal Use at the Classic Maya Polity of Lower Dover, Belize

[24] POSTER SESSION ■ CONTRIBUTIONS TO AFRICAN ARCHAEOLOGY
Room: Poster Hall
Participants:
24-a Frederick Coolidge—A Neurobiological Explanation for Spheroids as Embodied Cognition
24-b Angela Feak, Brian Stewart, Genevieve Dewar and John Kingston—Tracking Paleoaridity through Multi-isotope Analyses of Ostrich Eggshells at Spitzkloof Rockshelter A, South Africa
24-c Albert Waters, John Vandergugten and Gavin Donathan—A 3D Interactive Model of Spitzkloof D Rockshelter, Namaqualand, South Africa
24-d Amanda Leiss, Michael Rogers and Sileshi Semaw—Paleoenvironmental Reconstructions of Gona, Ethiopia, between 3 and 1 Mya: Evidence from Faunal Analysis
24-e Brady Kelsey, Steven Brandt, Elisabeth Hildebrand and Gary Stinchcomb—Diachronic Changes in Late Pleistocene Ochre Technology at Mochena Borago Rockshelter, SW Ethiopia

[25] POSTER SESSION IMPORTANT TOPICS IN CULTURAL RESOURCES AND HERITAGE MANAGEMENT
Room: Poster Hall
Participants:
25-a Jim Railey—Stone Rings, Stone Piles, and Native Americans in Far Southeastern New Mexico
25-b Dorothy Lippert, Desiree Martinez and Michael Wilcox—Archaeology and Its Stakeholders
25-c Claire Ebert, Antonio Beardall, Tia Watkins, Julie Hoggarth and Jaime Awe—Community Building and Engagement through Maya Archaeology: Challenges, Successes, and Future Goals for the Belize Valley Archaeological Reconnaissance (BVAR) Project
25-d Katherine Seikel, Mindy Bonine and Timothy Griffith—The Headwaters Site: Preliminary Site Analysis and Featured Finds
25-e Courtney Birkett—Site Monitoring and Erosion at Fort Eustis, Virginia
25-f Jared Renaud—Anticipating Changing Heritage Values: Reevaluating Priority Cultural Resources Criteria in Pima County, Arizona
25-g Ellen Lofaro and Anne Amati—Let’s Talk about a NAGPRA Community of Practice

[26] POSTER SESSION METHODS AND PRACTICE IN ANCESTRAL PUEBLOAN ARCHAEOLOGY
Room: Poster Hall
Participants:
26-a Vincent MacMillan, Mark D. Varien, Grant D. Coffey, Steve McCormack and Daryl Crites—UAV Lidar Mapping Sand Canyon Pueblo: Technical Collaboration for Site Visualization and Reassessment
26-b David Witt—Remote Sensing of Chacoan Roads in the Middle San Juan Region
26-c Emily R. Edmonds and Debra L. Martin—Life in the Cliffs: Analysis of Health and Trauma in Ancestral Puebloan Populations from Mesa Verde
26-d Kari Schleher, Michelle Turner, Benjamin Bellorado, Mariana Lujan Sanders and Genevieve Woodhead—Lumping and Splitting: Design Variation on Mancos Black-on-white Pottery in the Central Mesa Verde Region
26-e Megan Laurich and Chrissina Burke—Prehistoric Pets: An Examination of the Human-Dog Relationship in the American Southwest
26-f Sean Field, Donna Glowacki and Timothy Hovezak—The Far View Archaeological Project: An Introduction
26-g Eric Gilmore, Maxwell Benning, Mitchell Cleveland, Chrissina Burke and Megan Laurich—Let's Cut to the Chase: An Analysis of Experimental and Archaeological Data in the Process of Butchery
26-h Maxwell Benning, Eric Gilmore, Mitchell Cleveland, Chrissina Burke and Kelsey Gruntorad—Opportunity in the Garden: An Analysis of Zooarchaeological Materials from Southwest Agricultural Sites
26-i Alexandra Covert—From Water to Land: Analysis of Prehistoric Shell at Wupatki Pueblo
26-j Dylan Schwindt, Kari Schleher, Michelle Turner, Grant Coffey and Benjamin Bellorado—Using Computer Vision and Deep Learning Algorithms to Predict Pottery Types: An Example Using Ancestral Pueblo Pottery from the Central Mesa Verde Region
26-k Katherine Portman and Kelsey M. Reese—A Geospatial Assessment of Reservoirs and Nearby Communities on the Mesa Verde North Escarpment
[27] **POSTER SESSION ▲ USES OF GEOGRAPHIC INFORMATION SYSTEMS (GIS) IN NORTH AMERICAN ARCHAEOLOGY**

**Room:** Poster Hall

**Participants:**

27-a Delaney Cooley—A Preliminary Assessment of Athapaskan Land-Use Strategies in the Central High Plains

27-b William Marquardt and Jana Valesca Meyer—GIS Analysis of Surface Lithic Scatters in the Northern Blue Mountains: Local and Regional Contexts

27-c Erica Bradley, Geoffrey Smith and Christopher Jazwa—Early Holocene Site Structure at the Little Steamboat Point 1 Rockshelter, Oregon

27-d Connor McBeth—GIS Mapping of a Métis Cabin

27-e Hayden Bassett and Madeleine Gunter Bassett—Late Woodland Settlement and Subsistence in the Southern Piedmont of Virginia: A Geospatial Analysis and Archaeological Synthesis of the Smith River Valley

27-f Paul Oberheim, Richard Boisvert and Mark Doperalski—Supporting Paleoindian Viewsheds with the Jefferson VII Site, Jefferson, New Hampshire

[28] **POSTER SESSION ▲ EXPERIMENTAL ARCHAEOLOGY: CURRENT FINDINGS**

**Room:** Poster Hall

**Participants:**

28-a Victoria Priola—Exploring the Function of Ceramic Crescents from the Copper Age of Southwestern Iberia (Third Millennium BCE)

28-b Kari Goold and Daniel Perez—An Experimental Approach to Understanding Virgin Branch Puebloan Ground Stone Technology on the Shivwits Plateau

28-c John Blank, Sarah Gilletland and Matt Chmura—An Experimental Archaeological Approach to Modeling and Testing Bone Artifacts in 3D Space

28-d Macy Ricketts, Naomi Ward, Todd Surovell And Maddie Mackie—Evaluating Potential Time Signatures within Extant Microbial Communities in Stratified Soils at the La Prele Mammoth Site

28-e Maria Gutierrez, Nahuel Scheifler, Cristian Kaufmann, Daniel Rafuse and Agustina Massigoge—Bone Modification Pattern Produced by the South American Carnivore Lesser Grison (*Galictis cuja*)

28-f Catherine Brun, Julien Riel-Salvatore, Claudine Gravel-Miguel, Fabio Negrino and Jamie Hodgkins—Experimental Archaeology as a Method to Replicate the Ornaments of the Arma Veirana Burial: Overview of the Ongoing Experiments

[29] **POSTER SESSION ▲ CURRENT PERSPECTIVES IN THE ARCHAEOLOGY OF ASIA**

**Room:** Poster Hall

**Participants:**

29-a Brady Liss, Matthew Howland, Anthony Tamberino, Scott McAvoy and Thomas Levy—Archival Photogrammetry: Repurposing Excavation Photographs to 3D Model Previous Excavations in Faynan, Jordan

29-b Sophia Barrett, Samantha Mackertich and Kathryn Baustian—Reassessing Demography of the Bronze Age Tomb at Tell Abraq (UAE): Using Multiple Bone Elements from a Commingled Context

29-c Melanie Miller, Yu Dong, Kate Pechenkina, Wenquan Fan and Siân Halcrow—Dietary Histories in Early China: Gender and Food in Urban and Rural Eastern Zhou Communities (771–221 BCE, Ancient Zhenghan City, China)

29-d Manasij Pal Chowdhury, Stuart Campbell and Michael Buckley—What’s Cooking? A Proteomic Approach to Analyse Ceramic Residues from Tell Khaiber 1

29-e Angelo Robledo, Alan Farahani and Bruce Routledge—Change and Adaptation in Stone Tool Technology in Jordan ca. 1000 BCE

29-g Marie LeRoux and Alison Carter—Spindle Whorls from Angkor Borei, Cambodia

29-h Blair Heidkamp, Anya Gruber, Manda Adams, Mercedes Wong and Arlene Rosen—Holocene Perspectives from the Gobi Desert: New Paleoethnobotanical and Geoarchaeological Analyses at Delger Khan Uul, Mongolia

[30] POSTER SESSION • MESOAMERICAN ARCHAEOLOGY: CURRENT WORK IN CENTRAL MEXICO
Room: Poster Hall

Participants:
30-a Rudolf Cesaretti, Carlos Cordova and Charles Frederick—Analysis and Implications of Post depositional Bias in the Basin of Mexico (BOM) Surveys: A Preliminary Case Study of the Texcoco Survey Region
30-b Blaine Burgess, Jeffrey Ferguson and Shannon Fie—Obsidian Technologies at the La Magdalena Site in the Eastern Bajío of Guanajuato, Mexico
30-c Destiny Crider, Daniel Pierce, J. Heath Anderson and Michael D. Glascock—Revisiting Tula, Hidalgo Epiclassic Ceramics: Progress and Recent NAA Results
30-d Thomas Lobato—Burials and Society at Teotihuacan: Examining Inequality through Burial Offerings in Residential Contexts
30-e Trinity Crawford, Anne Sherfield and Michael E. Smith—Standardization of Apartment Compounds at Teotihuacan, Mexico
30-f Susan Evans—The Aztec Palace: Heart of an Empire's Rise and Fall
30-g Robin Singleton, Karissa Hughes, Ron Van Den Bussche, Nawa Sugiyama and Courtney Hofman—Captive Management and Sacrificial Power: Using Ancient Genomics to Study Animal Sacrifice in Teotihuacán
30-h Alicia Torres Porras, Patricia Plunket and Gabriela Uruñuela—Explorando la transición del Posclásico a la Colonia en Cholula, Puebla: 1519-1540

[31] POSTER SESSION • FORMAL MODELS AND EXPERIMENTAL ARCHAEOLOGY OF GROUND STONE MILLING TECHNOLOGY
Room: Poster Hall
Chair: Tammy Buonasera

Participants:
31-b Meredith Carlson, Christopher Beckham, Caleb Chen and Peiqi Zhang—Modeling Time Investment Trade-Offs for Stone and Wooden Mortars
31-c Caleb Chen, Meredith Carlson, Peiqi Zhang, Daniel Goring and Tammy Buonasera—Comparing Energy Expenditures of Mortar and Pestle and Grinding Slab Technologies
31-d Daniel Goring, Tammy Buonasera, Meredith Carlson and Jelmer Eerkens—Learning Strategies and Ground Stone Tools: Understanding Cultural Transmission through Experimental Archaeology
31-e Kyle Palazzolo—When Mortars Speak Volumes: Assessing the Influence of Mortar Cavity Size on Processing Efficiency
31-f Funda Ugras, Tamer Mertan, Müge Ergun, Tammy Buonasera and Mihriban Özbasaran—Comparing Technological Choices for Grain Processing at Aşıklı Höyük, an Early Neolithic Village in Turkey: Experimental Removal of Chaff from Barley (Hordeum vulgare)
31-g Peiqi Zhang, Caleb Chen, Christopher Beckham, Daniel Goring and Meredith Carlson—Manufacturing Costs of Long Pestles in Late Period Central California: Results from Replicative Experiments

**Room:** Poster Hall  
**Chair:** Todd Ahlman

**Participants:**

32-a Todd Ahlman, Ashley McKeown, Nicholas Herrmann and Fred van Keulen—The 2019–2020 NSF REU Exploring Globalization through Archaeology Investigations on St. Eustatius, Dutch Caribbean

32-b Taylor Bowden, Todd Ahlman, Ashley McKeown and Nicholas Herrmann—Exploring Enslaved African Lifeways: An Isotopic Study of an Eighteenth-Century Cemetery (SE600) on St. Eustatius, Caribbean Netherlands

32-c Kallista Karastamatis, Ashley McKeown and Courtney Siegert—The Down and Dirty: Differential Preservation of Burials from Eighteenth- and Nineteenth-Century Cemeteries on Sint Eustatius, Dutch Caribbean

32-d Katherine Rodriguez and Nicholas Herrmann—Applying Geophysical Prospection to Interpret Historical Burial Practices at Two Cemeteries on St. Eustatius, Dutch Caribbean

32-e Adrienne Stainton, Ashley McKeown and Nicholas Herrmann—Analysis of Cultural Retention in an Eighteenth-Century Enslaved African Community in the Dutch Caribbean

32-f Reece Black, Nicholas Herrmann and Todd Ahlman—Modeling the Past: Using Structure from Motion (SfM) Photogrammetry to Record the Sugar Works of a Statian Plantation

32-g Joshua Duncan and Todd Ahlman—European Ceramics in the Caribbean: A Glimpse at Globalization during the Colonial Era

32-h Courtney Siegert, Nicholas Herrmann and Todd Ahlman—Geophysical Investigations of Eighteenth- and Nineteenth-Century Sites on Sint Eustatius, Dutch Caribbean

32-i Sadie Friend, Ashley H. McKeown and Emilie Wiedenmeyer—Evaluating the Applicability of the Coimbra Method on an Archaeological Sample from Sint Eustatius

32-j Olivia Green, Ashley McKeown and Nicholas Herrmann—Comparing Patterns of Skeletal Pathology in Enslaved Africans from an Eighteenth-Century Cemetery on St. Eustatius

32-k Mara Fields, Todd Ahlman, Grace Tolan, Jon Russ and Stephen B. Carmody—Residue Analysis of Clay Tobacco Pipes from an Eighteenth-Century St. Eustatius Plantation

[33] **POSTER SESSION: CURRENT ZOOARCHAEOLOGY: NEW AND ONGOING APPROACHES**  
(Sponsored by Zooarchaeology Interest Group)

**Room:** Poster Hall  
**Chair:** Justin Cramb

**Participants:**

33-a Laura Benedict—Zooarchaeological Analysis of Subsistence Practices at the Lake Roberts Vista Site (LA71877), Gila National Forest, New Mexico

33-b Lexie Lowe—Geographic Information Systems (GIS) and the Analysis of Cut Marks for Archaeological Faunal Collections

33-c Danica Engen, Thomas Doran and Alex Monin—More Than Just Pretty Things: Taphonomic and Behavioral Observations from the Unworked Ostrich Eggshell Assemblage Recovered from Grassridge Rockshelter, South Africa

33-d Katherine Morucci—Toward an Epidemiological Model of Sarcoptic Mange among Andean Camelids

33-e Justin Cramb—The Mystery Dogs of Remote Oceania: An Archaeological and Ethnohistorical View of Domestic Dog Introduction and Loss in the South Pacific

33-f Joaquin Arroyo-Cabales, Luis Morett-Alatorre and Xolotl Morett-Muñoz—Columbian Mammoth Remains (Proboscidea, *Mammuthus columbi*) from Unit UE1, Tocuila Archaeo-Paleontological Site, Mexico

33-g Luis Morett-Alatorre, Joaquin Arroyo-Cabales and Xolotl Morett-Muñoz—Formation and Chronostratigraphy from Unit UE1, Tocuila Archaeo-Paleontological Site, Mexico

33-h Haley O'Brien—Human vs. Nonhuman Bone: A Nondestructive Histological Instrument
33-i Susan Lagle, Laura Niven and Teresa Steele—Updating and Reevaluating Faunal Datasets from Quina Mousterian Levels at Jonzac and Pech de l’Azé IV by Incorporating Screened Materials

[34] **POSTER SESSION 4 McDonald Creek and Blair Lakes: Late Pleistocene-Holocene Human Activity in the Tanana Flats of Central Alaska**

**Room:** Poster Hall  
**Chairs:** Kelly Graf and Julie Esdale

**Participants:**
- **34-a** Aureade Henry, Julie Esdale and Kelly Graf—New Archaeobotanical Data from the Late Pleistocene Occupations of McDonald Creek
- **34-b** Laurence Forget Brisson, Michel Lamothe, François Hardy and Kelly E. Graf—Contributions of IRSL to the Issue of Initial Settlement in the New World: The Case of the McDonald Creek Archaeological Site
- **34-c** Julie Esdale and Kelly Graf—Spatial Arrangement of the Northern Archaic Component at the McDonald Creek Site, Central Alaska
- **34-d** Lyndsay DiPietro and Kelly Graf—Micromorphological Analysis of Deposition, Pedogenesis, and Stratigraphic Integrity at the McDonald Creek Site, Central Alaska
- **34-e** Joshua Lynch—Holocene Occupations of the Blair Lakes Archaeological District
- **34-f** Kelly Graf, Julie Esdale, Ted Goebel, Nathan Shelley and Thomas Urban—Stratigraphy and Radiocarbon Chronology at McDonald Creek: A Multicomponent Pleistocene-Holocene Site in Central Alaska
- **34-g** Bryan Hockett—Preliminary Analysis of the Fauna from the McDonald Creek Site
- **34-h** Angela Gore—Geochemical Characterization and Raw Material Procurement at McDonald Creek, Alaska
- **34-i** Nathan Shelley and Kelly Graf—A Preliminary Spatial Analysis of the Late Pleistocene Components at the McDonald Creek Site, Interior Alaska
- **34-j** Ted Goebel—Interpreting Technological Activities and Organization at McDonald Creek, Central Alaska, ca. 13,900 Calendar Years Ago

[35] **POSTER SESSION 5 Beyond Triage: Prioritizing Responses to Climate Change Impacts on Archaeological Resources**  
(Sponsored by CCSAR)

**Room:** Poster Hall  
**Chairs:** Carole Nash and Heather Wholey

**Participants:**
- **35-a** Carole Nash—Prioritizing What We Don’t Know: Climate Change as a Catalyst for Upland Survey
- **35-b** Anne Jensen—Vulnerability and Values: Things to Consider for Site Prioritization
- **35-c** Scott Seibel—The Water and the Land: How the Private Sector and Government Work Together to Plan for Climate Change Impacts to Cultural Resources
- **35-d** Alice R. Kelley, Bonnie Newsom, Jacquelynn Miller and Kristin Schild—So Many Sites, So Little Time: Shell Heaps on the Maine Coast
- **35-e** Heather Wholey, Daria Nikitina and Katherine Dowling—Prioritizing Site Loss in the Delaware Bay, USA, Using Probabilistic Modeling
- **35-f** Chris McDaid, Patrick Barry and Courtney Birkett—Monitoring, Planning, and Treating Archaeological Sites for Climate Change
- **35-g** Stephanie Bergman, Kelsey M. Reese, Anastasia Steffen and Nicholas L. Jarman—First Came the Fires: Valles Caldera Landscape Futures in a Changing Climate
[36] **POSTER SESSION • GEOARCHAEOLOGY RESEARCH**  
(Sponsored by Geoarchaeology Interest Group)  
**Room:** Poster Hall  
**Chair:** Edward Herrmann  

**Participants:**  
36-a Miriam Rothenberg, Laurel Bestock and Christian Knoblauch—Micromorphological Approaches to Daily Life and Cultural Interaction at Uronarti Fortress, Sudan  
36-b Jasmine Kidwell—Unpacking the Geoarchaeologist’s Geospatial Tool Bag: A Case Study Using Predictive Modeling on the Central Coast, Pismo Beach, California

[37] **POSTER SESSION • RESEARCH HOT OFF THE TROWEL IN THE UPPER GILA AND MIMBRES AREAS**  
**Room:** Poster Hall  
**Chairs:** Karen Schollmeyer and Jeffery Clark  

**Participants:**  
37-a Christopher Fuchs—The Virtuous Archaeologist  
37-b James Margotta—The Forest for the Sites: Archaeological Heritage and Contestation in Gila National Forest  
37-c Mary Whisenhunt, John Roney, Robert Hard, Lori Barkwill Love and Toni Laumbach—Living on the Mimbres Western Edge: Regional Affiliation in Arizona’s Upper Gila River Valley AD 750–1300  
37-d David Lewandowski—Exploring Classic Period Mimbres Social Networks through Neutron Activation Analysis: A Pilot Study  
37-e Christopher Adams—Prehispanic Copper Artifacts Found in the Gila National Forest  
37-f Sean White—The Pithouse to Pueblo Transition, Mealing Facilities, and the Mogollon Mimbres Society  
37-g Karen Schollmeyer—Animal Remains and Archaeological Context in the Mogollon Area, AD 1000–1450  
37-h William Walker and Judy Berryman—Ritual Closure: A Countermeasure to Witchcraft  
37-i Jakob Sedig, Vagheesh Narasimhan and Brianna Flynn—Automatic Classification of Mimbres Pottery Styles through Convolutional Neural Networks

[38] **POSTER SESSION • APPLYING THE POWER OF PARTNERSHIPS TO THE SEARCH FOR AMERICA’S MISSING IN ACTION**  
**Room:** Poster Hall  
**Chairs:** Jesse Stephen and Joshua Toney  

**Participants:**  
38-a Jesse Stephen and Joshua Toney—Applying the Power of Partnerships to the Search for America’s Missing in Action  
38-b Jarrod Burks and Albert Pecora—The Last Great Escape: Recovery of 1st Lt. Ewart Sconiers, an American World War II Bombardier Imprisoned at the Stalag Luft III POW Camp  
38-c Alex DeGeorgey, Kevin Dalton and Carly Whelan—Shared Heritage: World War II American Military Loss Sites in Europe  
38-d Alison Elgart and Heather Walsh-Haney—In Search of MIA from One Fateful Day in 1943: Florida Gulf Coast University Partners with the Defense POW/MIA Accounting Agency (DPAA) to Bring Servicemen Home  
38-e Stephen Humphreys, William Griswold and Steve Roskams—An Aircraft Search and Recovery Mission in Southern England: A Case Study in Rehabilitation Archaeology  
38-g Katharine Kolpan and Nicholas Passalacqua—Forensic Archaeology Fieldwork as a High-Impact Practice
38-h Ian Lilley, Kelsey Lowe, Nick Bainton and Richard Martin—Preliminary Investigations of Missing American Service Members in Papua New Guinea
38-i Marilyn London and Adam Fracchia—University of Maryland Forensic Aviation Archaeology Field School
38-j John Monaghan, Caleb Kestle, James Meierhoff, David Reid and Richard Elliot—Enquête for a Geographic Approach to the Recovery of MIAs in the Philippines

[39] POSTER SESSION ■ PEOPLE, CLIMATE, AND PROXIES IN HOLOCENE WESTERN NORTH AMERICA
Room: Poster Hall
Chairs: Steven Hackenberger and Mark Hall
Participants:
39-a Paul Allgaier, Craig Young, David Zeanah, Robert Elston and Brian Codding—Paleoindian Settlement of the Central Great Basin: Testing Environmental, Radiocarbon, and Lithic Proxies with Data from Grass Valley, Nevada
39-b David Thomas and Erick Robinson—Impacts of Abrupt Climate Change Events on Human Paleodemography in the Great Basin
39-d Kurt Wilson, Daniel Contreras, Joan Coltrain, D. Craig Young and Brian Codding—Evaluating the Impacts of Past Climate Change on Demographic and Subsistence Patterns in the Basin-Plateau Region of Western North America
39-e Daniel Contreras, Brian F. Codding, D. Craig Young, Paul E. Allgaier and Roxanne Lois Fajardo Lamson—Addressing Taphonomic Complications in the Use of Archaeological Radiocarbon Assemblages as Population Proxies: A Case Study in the Bonneville Basin
39-f Steven Hackenberger, Tom Marceau, John Davis and David Babchanik—Radiocarbon Datasets, Population Proxies, and Climate Proxies: The Hanford Reach and the Yakima Fold Belt, Columbia Plateau
39-g James Brown, James Chatters, Anna Prentiss and Steve Hackenberger—Impact of Paleoclimate Variation on the Settlement History of the Columbia-Fraser Plateau through the Use of Summed Radiocarbon Probability Distributions
39-h Adam Rorabaugh and Amanda Taylor—Assessing Settlement Dynamics in the San Juan Islands and Northwestern Washington, a Bayesian Approach
39-j Brandon McIntosh and Kristin Corl—What Late Formative Period and Modern Jackrabbits (Lepus californicus) Tell Us about Climate Change in the Southeastern Southwest

[40] POSTER SESSION ■ HUMAN ORIGINS MIGRATION AND EVOLUTION RESEARCH CONSORTIUM POSTER SYMPOSIUM
Room: Poster Hall
Chairs: Jayde Hirniak and Hannah Keller
Participants:
40-a Kelsey Radican, Alejandra May, Jennifer Miller, Jessica C. Thompson and Elizabeth Gomani-Chindebvu—Bead Production of the Later Stone Age in Northern Malawi
40-b Annalys Hanson, Jessica C. Thompson, Jessica Cerezo-Román, Jay Stock and Potiphar Kaliba—Mortuary Practices of Later Stone Age Hunter-Gatherers in Northern Malawi
40-c Hannah Keller, Fabio Negrino, Claudine Gravel-Miguel, Naomi Cleghorn and Jamie Hodgkins—A Taphonomic Comparison of Two Late Pleistocene Zooarchaeological Assemblages in Northwest Italy and South Africa
40-d Brian Fahey, Kelsi Stroebel, Olivia Boss and Curtis Marean—Systematic Differences in Sieved and Point-Provenienced Fauna Ecofacts from PP5-6, South Africa
40-e John Murray, Scott Keohane and Andrew Zipkin—Experimental Identification of Heat-Treated Silcrete Using Colorimetry and Reflectance Spectrophotometry
40-f Nicolas Hansen, John Murray, Alexa Ferrer, Hanah Edington and Kathryn Ranhorn—Variation in Response to Heat-Treatment in Jasper from the Perkinsville Valley, Arizona

[41] POSTER SESSION ■ EXPERIMENTAL ARCHAEOLOGY IN RANGE CREEK CANYON, UTAH
Room: Poster Hall
Chair: Shannon Boomgarden
Participants:
41-a Shannon Boomgarden, Brendan Ermish, Jordin Muller, Corinne Springer and Stefania Wilks—Actualistic Experiments in Archaeology: Farming and Storing Maize in Range Creek Canyon, Utah
41-b Corinne Springer and Shannon Boomgarden—Experimental Archaeology Applied to Archaeological Investigations in Range Creek Canyon: Emery and Carbon Counties, Utah
41-c Stefania Wilks, Lisbeth Louderback and Shannon Boomgarden—Starch Granule Size and Morphology as a Proxy for Water Influence on Zea mays
41-d Brendan Ermish and Shannon Boomgarden—Maize: Phenotypic Response to Variable Depth Water Input
41-e Jordin Muller, Shannon Boomgarden and Brendan Ermish—2019 Range Creek Excavation

Symposia, Electronic Symposia, General Sessions, Lightning Rounds, and Forums
Thursday Morning ■ April 15, 2021

[42] SYMPOSIUM ■ CELEBRATING 20 YEARS OF SUPPORT: CURRENT WORK BY RECIPIENTS OF THE DIENJE KENYON MEMORIAL FELLOWSHIP FOR ZOOARCHAEOLOGISTS
Room: Golden Gate 4
Time: 8:00 a.m.—9:00 a.m.
Chair: Todd Koetje
Participants:
8:00 Briana Pobiner, Laurence Dumouchel and Jennifer Parkinson—A New Semi-quantitative Method for Identifying Carnivore-Specific Chewing Damage Patterns
8:15 Arianne Boileau—The Inside/Outside Connection: A Spatial Analysis of Faunal Remains from Contact Period Maya Elite Structures at Lamanai, Belize
8:30 Weronika Tomczyk and Nathan P. Acebo—In a Shade of Colonial Expansion: The Subsistence Strategies and Consumption Practices in Black Star Canyon, Southern California
8:45 Allison Wolfe—Avifauna of the Bonneville Basin: Past Variation and Future Conservation

[43] GENERAL SESSION ■ GENDER IN ARCHAEOLOGY: CONTEMPORARY DISCUSSIONS
Room: Plaza Room
Time: 8:00 a.m.—9:00 a.m.
Chair: Nathan Klembara
Participants:
8:00 Andrea Lopez—Where We Are Five Years Later: A Reexamination of Gender Disparities in Publication Trends in North American Archaeological Journals
8:15 Samantha Lagos—Where My Ladies At? The Fight to Erase the Gender Gap in Publication
8:30 Julie Hoggarth, Tia Watkins, Claire Ebert and Sylvia Batty—the Impacts of the Coronavirus Pandemic on Women in Archaeology
8:45 Nathan Klembara—The Foundations of a Queer Philosophy of Science: Is Archaeology the Answer?

**Room:** Golden Gate 3  
**Time:** 8:00 a.m.–9:30 a.m.  
**Chair:** Ann Merkle

**Participants:**
8:00 Catherine Klesner and Pamela Vandiver—Reconstructing Production Technology of Medieval Lead-Glazed Ceramics from Central Asian Silk Road Sites
8:15 Ann Merkle—Sacred Colors and Nomadic Design: The Hand-Formed Slip-Painted Pottery of the Medieval (Eighth–Twelfth Century CE) Central Asian Highlands
8:30 Elissa Bullion and Sean Greer—Perceptions of Disability and Care in Early Islamic Central Asia
8:45 Dina Bakour—The Umayyad Grilles of Qasr al-Hayr al-Gharbi
9:00 Stephennie Mulder—The Ceramics of Balis: Toward the Recovery of Lost Heritage
9:15 Stephennie Mulder—Discussant

[45] **SYMPOSIUM: RISKY BUSINESS PART 1: COMPARATIVE APPROACHES TO RISK AND RESILIENCE IN DRYLAND ENVIRONMENTS (PART 1)**

**Room:** Continental Ballroom 4  
**Time:** 8:00 a.m.–10:30 a.m.  
**Chairs:** Emily Dawson and Camille Weinberg

**Participants:**
8:00 Alison Damick and Arlene Rosen—What Is at Risk? Land-Use Strategies among Archaic Populations of the Northern Rio Grande
8:15 Andrew Gillreath-Brown, R. Kyle Bocinsky and Tim Kohler—Food Risk and Maize Production: Experiments in Combining Low-Frequency and High-Frequency Temperature Signals in the Southwestern United States
8:30 Kyle Bocinsky, Sarah Oas and Stefani Crabtree—Biodiversity and Food Risk in Arid Uplands: Notes from the Central Mesa Verde Region
8:45 Emily Lena Jones and Jonathan Dombrosky—Environmental Risk and Culture Change in the Middle Rio Grande Valley of New Mexico
9:00 Emily Dawson and Heather Trigg—Risk and Resilience on the Spanish Colonial Frontier
9:15 Michael Aiuvalasit, James A. Neely, Barbara M. Winsborough and Linda Scott Cummings—Viewing the “Fossilized” Prehispanic Canals of the Tehuacán Valley, Puebla, Mexico, as an Enduring Dryland Socio-hydrological System
9:45 Steven Brandt, Rachel Brown Reid, Isabella Crevecoeur, Mica Jones and Osman Yusuf Mohamed—Human Reliance on Inselbergs as Late Pleistocene/Holocene Islands of Risk, Resiliency, and Refuge in the Arid Eastern Horn of Africa
10:00 Arlene Rosen, Lisa Janz, Bukchuluun Dashzeveg and Odsuren Davaakhhuu—The Brown Steppe Is Like an Ancient Story: Foraging the Arid Steppe and Wetlands in the Middle Holocene of the Mongolian Gobi Desert
10:15 Tim Kohler—Discussant

[46] **SYMPOSIUM: A NEW HORIZON: REASSESSING THE ANDEAN MIDDLE HORIZON (AD 600–1000) AND RETHINKING THE ANDEAN STATE**

**Room:** Franciscan A&B  
**Time:** 8:00 a.m.–10:45 a.m.  
**Chairs:** Stephen Berquist and Andrew Roddick

**Participants:**
8:00 Stephen Berquist—Discussant
8:15  Edward Swenson—Cosmopolitics and Community Reformation in Middle Horizon Jequetepeque

8:30  Veronique Belisle—Beyond Wari Empire and Inka Analogy: Refining Reconstructions of Wari Power in Middle Horizon Cusco

8:45  Beth Scaffidi, Aleksa Alaica, Luis Manuel Gonzalez La Rosa and Kelly Knudson—Local People and the Circulation of Nonlocal Animals and Objects: Rethinking Interregional Mobility in the Arequipa Yunga during the Circum-Wari Era

9:00  Justin Jennings, Matthew Biwer and Christina Conlee—Wari and the Southern Peruvian Coast: A Reevaluation

9:15  Stanislava Chavez—Political Organization of the Tiwanaku Polity: A View from Copacabana

9:30  Andrew Roddick and Erik Marsh—What Was Tiwanaku, Really?

9:45  Sara Becker—Anarchy, Heterarchy, and the Bioarchaeological Evidence of Labor in the Tiwanaku “State” (AD 500–1100) of Bolivia and Peru

10:00  Alexei Vranich—The End of Tiwanaku

10:15  Jason Yaeger—Discussant

10:30  Rod Campbell—Discussant

[47]  GENERAL SESSION: USES OF SURVEY IN WORLDWIDE CONTEMPORARY ARCHAEOLOGY

Room: Golden Gate 6
Time: 8:00 a.m.—11:30 a.m.
Chair: Wolfgang Alders

Participants:
8:00  India Kotis—Writing on the Wall: Patterns of Discourse in Undergraduate Graffiti
8:15  Wolfgang Alders—Long-Term Settlement in Plantation Regions of Unguja, Zanzibar
8:30  Nobuyuki Ito—Un fragmento de estela con la fecha de Bak’tun 7 en Chalchuapa, El Salvador
8:45  Joel Klenck, Mohammed Sahib and Epifania Suáfo’a Taua’i—Archaeology of Luatele Crater: Ritual and Prestige of the Tuimanu’a, Ta’u Island, American Samoa
9:00  Ashuni Emmanuel Romero Butrón—From the Coast to the Jungle: Inventory and Record of Archaeological Sites in Puerto Morelos, Quintana Roo, Mexico
9:15  Stephen Janes—Results from Ground Surveys in the Southern San Juan Basin and the Identification of Additional Chacoan Regional Roads
9:30  Christophe Delaere and José Capriles—Lake Titicaca Underwater Offerings and the Ritualization of Bodies of Water during the Inca Period
9:45  Patricio López Mendoza, Rodrigo Loyola, Carlos Carrasco, Valentina Flores-Aqueveque and Antonio Maldonado—Early Occupations of the Late Pleistocene–Early Holocene in the Northern Highlands of the Semi-arid North of Chile
10:00  Lucas Kellett—The Settlement Ecology of Chanka Pastoralists in the Andahuaylas Region of Southern Highland Peru
10:15  Kaitlyn Davis—Pueblo Agricultural Adaptations to Socioeconomic Changes in New Mexico
10:30  Christopher Donta—The Narrow Point Tradition and Long-Term Continuity in the Northeast Intermediate and Inka Periods (ca. 900–1532 CE) in the Vilcanota Valley, Peru
10:45  Dennis Nicolas Lorenzo—Interacción y cambio social en los medios de circulación del período Formativo Medio y Tardío en la zona altoandina de Lambayeque, Norte del Perú
11:00  Jason Sherman, Samantha Bomkamp and Hannah Blija—Documenting 1,500 Years of Human Occupation in the Sierra Blanca Highlands, New Mexico

[48]  SYMPOSIUM: REFINING ARCHAEOLOGICAL DATA COLLECTION AND MANAGEMENT TO ACHIEVE GREATER SCIENTIFIC, TRADITIONAL, AND EDUCATIONAL VALUES (Sponsored by Arizona Army National Guard)

Room: Continental Ballroom 6
Time: 8:00 a.m.—11:45 a.m.
Chairs: Michael Heilen and Shelby Manney
Participants:

8:00 Michael Heilen and Shelby Manney—Digital Data Collection and Management: Where Do We Go from Here?
8:15 Phillip Leckman—Our Checkered Past: Sites, Landscapes, Trails, and Transect Recording Unit Survey
8:30 Simon Holdaway, Matthew Douglass and LuAnn Wandsnider—The Significance of Surface Artifact Scatters: Case Studies from Australia and North America
8:45 Edward Banning—Assessing the Quality of CRM Data for Field Planning, “Big Data” Analyses, and Heritage Decisions: The Role of Sweep Widths
9:00 Sarah Schlanger—Exploring the Complexities of Managing Cultural Landscapes and Associated Data through the Lens of the Greater Chaco Landscape
9:45 Jeffrey Altshul—Archaeological Synthesis and CRM: An Odd Couple?
10:00 Christopher Nicholson, Jessica Irwin and Rachael Fernandez—Stop, Collaborate, and Listen: Steps toward Data Interoperability and Reuse across Archaeological Disciplines and Professions
10:15 Joshua Watts—CyberSW: A Preservation Archaeology Approach to a Web-based Southwest Regional Database
10:30 F. Kirk Halford—The National Cultural Resources Information Management System (NCRIMS): New Horizons for Cultural Resources Data Management and Analyses
10:45 Jane Anderson and Stephanie Carroll—Indigenous Data Sovereignty, the CARE Principles, and the Traditional Knowledge and Biocultural Notices: Responsibilities for Researchers in Archaeological Data Collection
11:00 Scott Ortman—CRM and Synthesis
11:15 Michael Shott—Discussant
11:30 Colleen Vaughn—Discussant

Symposium Recent Multidisciplinary Investigations in the Mirador Basin, Guatemala (Sponsored by Foundation for Anthropological Research & Environmental Studies [FARES])

Room: Continental Ballroom 5
Time: 8:00 a.m.—11:45 a.m.
Chair: Richard Hansen

Participants:

8:00 Ross Ensley, Richard Hansen, Carlos Morales and Josie Thompson—Landscape of the Mirador-Calakmul Karst Basin
8:45 Richard E. Terry and Daniel A. Bair—Soil Chemical Analysis of the Floors of Walled Enclosures within the Mirador Basin
9:00 Sara Dalton—At the Gates of Xibalba: The Chultunob of El Mirador, Guatemala
9:15 Edgar Suyuc—La arquitectura preclásica de El Mirador: Vista desde la Acrópolis La Pava
9:30 AnaBeatriz Balcarcel, Richard Hansen, Carlos Morales and JuanLuis Velézquez—Games or Prehispanic Rituals? The Ball Courts of the Mirador Basin
9:45 Edgar Ortega and Gustavo Martinez—Aspectos constructivos del Grupo Cascabel
10:00 Dana Kollmann—Bioarchaeological Analysis of Preclassic Human Remains Recovered from a Lime Kiln, El Mirador, Guatemala
10:15 Josephine Thompson, Carlos Morales, Richard Hansen and Ross Ensley—Preclassic Settlement Patterns and Natural Topography in the Mirador Karst Basin of Northern Guatemala
10:30 Carlos Morales-Aguilar and Christophe Helmke—In the Land of the Codex-Style Ceramics: New Insights on Classic Maya Settlement Organization in Northern Petén, Guatemala

10:45 Marcia Chacon De Hernandez—Investigaciones en el Grupo Sereque, Complejo La Danta, El Mirador, Petén: Resultados 2015-2018

11:00 Thomas Schreiner—Production and Use of Lime for Preclassic Architecture and Causeway Construction in the Mirador Karstic Basin

11:15 Lorena González—Excavaciones en el Grupo Saraguate, Complejo La Danta, El Mirador

11:30 Richard Hansen—Discussant

[50] **GENERAL SESSION CONTEMPORARY CONCEPTS IN ANCESTRAL PUEBLAN ARCHAEOLOGY**

**Room:** Golden Gate 7  
**Time:** 8:00 a.m.–11:45 a.m.  
**Chair:** Sachiko Sakai

**Participants:**

8:00 Kaitlyn Eldredge and Mary Striegel—Orange Skies Bring Red Rain: Understanding the Effects of Wildland Fire Chemicals to Cultural Resources

8:15 Jaye Smith and Jeffrey Clark—Citizen Science in Action: Preserving the Ray Robinson Collection from the Safford Basin, Arizona

8:30 Erik Simpson—Rethinking the Pueblo II Period in the Upper San Juan Region of the American Southwest

8:45 Haley Dougherty—Is This a Sand Temper?

9:00 Michelle Turner, Kellam Throgmorton and Jeffrey Ferguson—The Social Significance of Jemez Mountains Obsidian at Aztec Ruins National Monument

9:15 Andrew Munro and F. Joan Mathien—Bonito Phase Architectural Syntax and Social Change

9:30 Kelsey Reese—Community Construction and Resilience on the Mesa Verde North Escarpment

9:45 Carol Patterson—Katsina Runners in Basketmaker II through Pueblo III petroglyphs in the Northern San Juan Basin.

10:00 Danny Sosa Aguilar—People, Piedras, and Pictographs: Collaborative Archaeology in Abiquiu, New Mexico

10:15 Jean Pike and Deborah Leishman—Deconstructing Hybrid Architectures: A Bayesian Methodology for the Analysis of Precontact Southwest Architecture

10:30 Benjamin Van Alstyne, Karen Harry and Daniel Perez—Archaeological Investigations at a Multicomponent Site on the Shiviwts Plateau

10:45 Sachiko Sakai—Reconstruction of the Site History of the “Zip Code Site,” a Large Puebloan Site at Mt. Trumbull Area in the Arizona Strip

11:00 Benjamin Bellorado—Dating Changes in the Fashion of Fancy Footwear in the Ancient Southwest: New AMS and Relative Dating of Twined Sandals in the Chaco and Post-Chaco Eras

11:15 Laura Brumbaugh—Community Structure in Times of Stress and Change: Communal Dining in the Northern Southwest

11:30 Matthew Schmader—First Contact, Pueblo Resistance, and Multiethnic Conflict on the Vázquez de Coronado Expedition of 1540–1542

[51] **SYMPOSIUM THE PALACE OF XALLA IN TEOTIHUACAN: A POSSIBLE SEAT OF POWER IN THE ANCIENT METROPOLIS**

**Room:** Franciscan C&D  
**Time:** 8:30 a.m.–11:15 a.m.  
**Chair:** Linda R. Manzanilla

**Participants:**

8:30 Linda R. Manzanilla—The Palace of Xalla at Teotihuacan: An Overview of a Multifunctional Palace
8:45  Alejandro Rosado-Fuentes, Linda R. Manzanilla, Alejandra Arciniega-Ceballos, Ana María Soler-Arechalde and Claudia Arango-Galván—Geophysical Prospection in Xalla, Teotihuacan, Mexico
9:00  Laura Beramendi-Orosco, Linda R. Manzanilla, Ana María Soler-Arechalde and Galia González-Hernández—A High-Resolution Chronology for the Palatial Complex of Xalla Combining a Bayesian Radiocarbon Model with Archaeomagnetic Ages
9:30  Adrian Velazquez, Norma Valentín and Belem Zúñiga—Archaeological Mollusks from Xalla
9:45  Gilberto Pérez-Roldán—La industria del hueso trabajado en un barrio y en un palacio de Teopancazco y Xalla
10:00  Emiliano Melgar and Reyna Solís—Archaeometry of the Lapidary of Xalla and the Identification of Teotihuacan Relics in Tenochtitlan
10:15  Edgar Rosales—Mica in Xalla: A Glittering Archaeological Indicator of Power and Specialized Production
10:30  Carlos López-Puértolas, Linda R. Manzanilla and Maria Luisa Vázquez-de Ágredos-Pascual—La tecnología del color en Xalla: Instrumentos, materias primas y procesos de manufactura
10:45  Rocío Jiménez González—Las figurillas cerámicas de Xalla, Teotihuacan
11:00  Takeshi Inomata—Discussant

[52] SYMPOSIUM DANCING THROUGH ICONOGRAPHIC CORPORA: A SYMPOSIUM IN HONOR OF F. KENT REILLY III
Room: Union Square 3
Time: 8:30 a.m.—11:30 a.m.
Chairs: Shawn Lambert, Bretton Giles and John Stauffer
Participants:
8:30  Annabeth Headrick—Sacrifice and the Sun: The Aztec Calendar Stone and Its Origins
8:45  Daniel Aquino and Juan Carlos Melendez—Of Snakes and Masks: A Contextual and Iconographic Study of Ancient Maya Greenstone Mosaic Masks
9:00  Michelle Rich, Matthew Robb and David Freidel—Jade Faces: Heirlooms and Emulations in Olmec and Maya Art
9:15  Madeleine Azar—Modeling the Cosmos: Making Sense of "Rim Rider" Effigy Bowl Iconography in the Central Mississippi River Valley
9:30  David Dye—Mississippian and Oneota Entanglements: Iconography and Ritual in the Lower Mississippi Valley
9:45  Bretton Giles, Brian Rowe and Ryan Parish—Symbolic and Iconographic Perspectives on the Burials from Mound 2 at the Hopewell Site
10:00  Jesse Nowak—Living Symbols from a Mythic Landscape: An Exegesis of the Apalachee Ballgame Story and Placemaking in Northwest Florida
10:15  Steve Boles—Cahokia's Wandering Supernaturals: What Does It Mean When the Earth Mother Leaves Town
10:30  Joy Mersmann and J. Grant Stauffer—Center Posts, Thunder Symbolism, and Community Organization at Cahokia Mounds, Illinois
10:45  Shawn Lambert, Timothy Pettula and Nilesh Gaikwad—Production Matters: Organic Residue and Iconographic Evidence for Late Pre Columbian Datura Making in the Central Arkansas River Valley
11:00  Melinda Martin—Whirlwind of Power: Mississippian Tornado Iconography and Mythology
11:15  Frank Reilly—Discussant

[53] GENERAL SESSION NORTH AMERICAN ARCHAEOLOGY
Room: Golden Gate 8
Time: 8:45 a.m.—10:30 a.m.
Chair: David Massey
Participants:

8:45  Dawn Rutecki—Avian Iconography at Spiro Mounds
9:00  Christina Friberg, Elizabeth Watts Malouchos and Edward Herrmann—Assessing Complexity through Architectural Analysis at Angel Mounds
9:15  David Massey, Christina Friberg, Quinn Lewis and Edward Herrmann—Measures of Influence: Volumetric Assessment of Earthworks at Angel Mounds Using Drone-Based Lidar
9:30  Justin Reamer—“A River Runs through It”: Reinterpreting Late Woodland Settlement Patterns in the Upper Delaware Valley
9:45  Robert Reynolds, Thomas Palazzolo, Ashley Lemke, John O’Shea and Sarah Saad—Deepdive: Using AI and Virtual Reality to Explore Ancient Submerged Civilizations
10:00 Adam Wiewel—Twenty-First-Century Archaeological Geophysics in the National Park Service
10:15 John White, Ted Goebel, Aureade Henry, Stephen Kuehn and Lindsay DiPietro—Results from Test Excavations of NAB-00533: Apparent Nenana-Aged Occupation from the Northern Copper River Basin

Symposium: From the Plains to the Plateau: Papers in Honor of James D. Keyser

Room: Golden Gate 1 & 2
Time: 8:45 a.m.—11:30 a.m.
Chair: David Whitley

Participants:

8:45  James Keyser and David Kaiser—Decoding a Crow War Party Tally at 24ST560
9:00  Lawrence Loendorf—The Atlatl Motif in Rock Art
9:15  John Greer and Mavis Greer—Horses in East-Central Montana Rock Art: A Test for Crow, Blackfoot, or Other Ethnic Affiliation
9:30  Michael Bies and Linea Sundstrom—Recording and Interpreting Rock Art as a Volunteer
9:45  David Whitley—Ethnography of Salinan Rock Art
10:00 Ramon Valcarce, Arturo de Lombera-Hermida, Marcos Garcia-Diez, Xose Pedro Rodriguez and Ramon Viñas—On the Margin, Marginal Too? A Western Outpost of Paleolithic Cantabrian Cave Art (NW Iberia)
10:15 Julie Francis and Mark Willis—The Black Rock Site: It's Not Just Paleoindian Rock Art
10:30 Radoslaw Palonka, Katarzyna Ciomek, Vincent MacMillan, Ross Grailia and Maiya Grailia—Archaeoastronomy, Beliefs, and Violence: Documentation, Methodology, and Visualization of Rock Art Panels from CANM, Colorado (USA)
10:45 Reinaldo Morales—Baumgarten’s Aesthetica and the Rock Art of Northeast Brazil
11:00 Don Hann—Searching for Tobacco Man: Jim Keyser and the Ethnographic Analysis of Columbia Plateau Rock Art
11:15 James Keyser—Discussant

Electronic Symposium: Place-Making in Indigenous Mesoamerican Communities Past and Present

Room: Imperial Ballroom
Time: 9:00 a.m.—11:00 a.m.
Chairs: Gabrielle Vail and Ronald Faulseit

Participants:
Ronald Faulseit—Making the Landscape Divine at Dainzú, Oaxaca, Mexico
Franco Rossi and Heather Hurst—Place-Making at the Los Arboles Complex of Xultun, Guatemala
Jacob Welch—Place-Making and Elite Maya Identity at Ucanha, Yucatan, Mexico
Dylan Clark—The Construction and Activation of Place at the Maya Port of Isla Cerritos
Josuhé Lozada, Joel Palka and Fabiola Sánchez—Mirador Mountain, Ritual Landscapes, and the Protohistoric Maya Community at Mensabak, Chiapas, Mexico
Maia Dedrick—Feast Days as Place-Making in Colonial Yucatán, Mexico
Rani Alexander—Landscapes of Inequality in Ebtun, Yucatán, 1800–1890
Christine Hernandez—The Role of History, Ancestry, and Alliance in the Place of Noxtepec, Guerrero, Mexico
Allen Christenson—Places of Emergence: Water and Cave Ceremonialism in the Tz’utujil Region
Judith Maxwell—Home Is Where the Rajawala’ Are: Making Habitable Space among the Kaqchikel and Other Maya

[56] SYMPOSIUM Increasing the Accessibility of Ancient DNA within Archaeology
Room: Union Square 2
Time: 9:00 a.m.—11:30 a.m.
Chairs: Jakob Sedig and Kendra Sirak

Participants:
9:00 Kendra Sirak and Jakob Sedig—Exploring Male Sex-Bias in Ancient DNA Research
9:15 Meradeth Snow and Michael Searcy—Migrating Genes, or How to Avoid the Free-Ranging Genome
9:30 Miguel Contreras-Sieck, Paola Everardo-Martinez, Paloma Constanza Huerta-Chavez, Alejandro Alvarado-Gonzalez and Victor Acuña-Alonzo—A Call for Contextualized Ancient DNA Research in Mexico: The Importance of Developing Ancient DNA Collaborations that Further Education and Technology Transfer and Infrastructure in Developing Countries: Perspectives from Mexico’s Experiences
9:45 John Johnson—Linking the Past to the Present: Collaborative DNA Research with Native Californians
10:00 Douglas Owsley, Karin Bruwelheide, Éadaoin Harney, William Kelso and David Reich—Identifying Seventeenth-Century Africans and High-Status Englishmen at Jamestown, Virginia
10:15 Rodrigo Nores, Nathan Nakatsuka, Pierre Luisi, Josefina Motti and David Reich—Genetic Change in South Patagonia over Seven Millennia
10:30 José Luis Punzo Díaz, Jakob Sedig, Alejandro Valdes Herrera and David Reich—First Results of the “Proyecto de investigación de poblaciones antiguas en el norte y occidente de México”
10:45 Nathan Nakatsuka, Vera Tiesler, Jakob Sedig and David Reich—Ancient DNA from Campeche, Mexico, Reveals a Socially Segregated Population in the First Two Centuries after Hispanic Contact
11:00 Nathan Wales—Integrating Grapevine Palaeogenomics with Archaeobotanical Methods to Explore the History of Winemaking
11:15 Michael Frachetti—Discussant

[57] GENERAL SESSION Archaeologies of California and the Great Basin
Room: Golden Gate 5
Time: 9:00 a.m.—11:30 a.m.
Chair: Alexis Francois

Participants:
9:00 Nick Angeloff—The Archaeology of Cannabis in Humboldt County
9:15 Kirsten Lopez—Fiber-Perishables Sourcing in the Northern Great Basin
9:30 Michael Lenzi, William Bloomer and Zygmunt Osiecki—Late Pleistocene/Early Holocene Occupations on the Sierra Army Depot in Honey Lake Valley, California
9:45 L. Brock James, Kaley Joyce, Kate Magargal and Brian Codding—A Stone in the Hand Is Worth How Many in the Bush? Applying the Marginal Value Theorem to Understand Optimal Toolstone Transportation, Processing, and Discard Decisions
10:00 Jacob Jepsen—Testing Multiple Geophysical Methods at Fremont Archaeological Sites
10:15 Alaina Wibberly—Modeling the Mojave: Old Data, New Futures, and the Semiotics of Empty Space
10:30 Leah Grant—Deep Creek Site (CA-SBR-176): Rehabilitating Legacy Collections with the Veterans Curation Program
10:45 Sarah Noe—Change, Continuity and Foodways: Indigenous Diet at Mission Santa Clara (1777–1836)
11:00 Alexis Francois—Health and Healthcare Management in a California Black Town
11:15 Caitlin Bishop—Archaeological Investigations of “Alaska” at Tule Lake Segregation Center in Northeastern California

[58] **Lightning Rounds: Multiscalar Approaches to Extrapolating Sociopolitical Boundaries in the Maya Lowlands**
*Room:* Continental Ballroom 7-9
*Time:* 9:15 a.m.–11:15 a.m.
*Moderators:* Amy Thompson and John Walden

**Participants:**
Heather Richards-Rissetto—Discussant
Jessica Munson—Discussant
Adrian Chase—Discussant
Shane Montgomery—Discussant
George J. Micheletti—Discussant
Bernadette Cap—Discussant
Sherman Horn—Discussant
Eric Fries—Discussant
Melvin Rodrigo Guzman Piedrasanta—Discussant
J. Dennis Baldwin—Discussant
Damien Marken—Discussant
Timothy Hare—Discussant
Brett A. Houk—Discussant

[59] **Forum: Women in the SAA: Issues for the New Majority**
*Room:* Plaza Room
*Time:* 9:30 a.m.–11:30 a.m.
* Moderator:* Alice Kehoe

**Participants:**
Anabel Ford—Discussant
Elizabeth Chilton—Discussant
Sara L. Gonzalez—Discussant

[60] **Symposium: Inference in Paleoarchaeology**
*Room:* Golden Gate 4
*Time:* 10:00 a.m.–11:45 a.m.
*Chairs:* Zeljko Rezek and Sam Lin

**Participants:**
10:00 Philip Carr—An Organization of Technology Model and Archaeological Inference
10:15 Jessica Thompson—Is Analogical Reference Possible for the Earliest Paleoarchaeological Assemblages?
10:30 Sam Lin and Alex Mackay—The Role of Parsimony in Archaeological Inference Building
10:45 Ross Pain and Anton Killin—Cognitive Archaeology and the Minimum Necessary Competence Problem
11:00 Shannon McPherron—Fracture Mechanics, Virtual Knapper, and Controlled Experiments: Toward a Better Model of Flake Formation
11:15 David Braun—Early Pleistocene Behavior and Archaeological Inference: Insights from Experiments
11:30 Benjamin Davies and Matthew Douglass—Resilience and the Record: Suggestions for Application of Resilience Concepts to Archaeological Cases
[61] **FORUM: “THE OLD THAT’S WORTH SAVING”: HOW CAN WE PRIORITIZE WHEN WE CAN’T SAVE THEM ALL?**  
(Sponsored by of Committee on Climate Change Strategies and Archaeological Resources)  
Room: Yosemite  
Time: 10:00 a.m.–12:00 p.m.  
**Moderator:** Anne Jensen  
**Participants:**  
Heather Wholey—Discussant  
Carole Nash—Discussant  
Michael Aiuvalasit—Discussant  
Sara Ayers-Rigsby—Discussant  
Alice R. Kelley—Discussant  
Marcy Rockman—Discussant

[62] **FORUM: INCREASING TRANSPARENCY IN THE SAA**  
Room: Union Square 1  
Time: 10:00 a.m.–12:00 p.m.  
**Moderator:** Michael Nassaney  
**Participants:**  
Sarah Herr—Discussant  
Deborah Nichols—Discussant  
Patricia Gilman—Discussant  
Kelley Hays-Gilpin—Discussant  
Elizabeth Pruitt—Discussant  
Lynn Gamble—Discussant  
Bonnie Pitblado—Discussant  
Joe Watkins—Discussant  
Karen Bruno—Discussant  
Lee Clauss—Discussant  
Chelsea Blackmore—Discussant  
Terrance Weik—Discussant

[63] **SYMPOSIUM: THE PRECLASSIC LANDSCAPE IN THE MOPAN VALLEY, BELIZE**  
Room: Continental Ballroom 1  
Time: 10:00 a.m.–12:00 p.m.  
**Chairs:** Whitney Lytle and M. Kathryn Brown  
**Participants:**  
10:00 Zoe Rawski—Situating Early Xunantunich, Belize, in the Preclassic Landscape: A Synthetic Perspective from Structure F1  
10:15 Victoria Ingalls—Ritual and Movement in the Preclassic Hinterlands of the Mopan River Valley  
10:30 Borislava Simova—Tracing the Relationship between E Groups and Emerging Social Integration at the Site of Actuncan, Belize  
10:45 M. Kathryn Brown and Rachel Horowitz—Investigations of a Preclassic E Group at Las Ruinas de Arenal, Belize  
11:00 Alessandra Villarreal—Middle Preclassic Ceramic Distribution in Western Belize: A Comparative Study from Early Xunantunich  
11:15 Tia Watkins, Jaime Awe and Claire Ebert—Monumentality, Politics, and Power: Implications of Recent Investigations of Late Preclassic Public Architecture at Xunantunich, Belize  
11:30 Whitney Lytle—The Ancestors You Choose: The Role of Predecessors at Xunantunich, Belize Group D  
11:45 George Bey—Discussant
[64] SYMPOSIUM ■ RAISE YOUR GLASS TO THE PAST: AN EXPLORATION OF THE ARCHAEOLOGY OF BEER
Room: Golden Gate 3
Time: 10:15 a.m.–11:45 a.m.
Chair: Marie Hopwood

Participants:
10:15 Marie Hopwood—Teaching with Beer: An Archaeology of Beer in and outside of the Classroom
10:30 John Arthur—Beer and Feasts in the Highlands of Southern Ethiopia: Ethnoarchaeological and Archaeological Perspectives
10:45 Jason Kennedy—Work Is the Curse of the Drinking Class: Beer, Labor, and Class in the Ancient Near East
11:00 Melissa Ayling—Pouring the Past: A Discussion of Authenticity in Re-created Ancient Ales
11:15 Michael Homan—Discussant
11:30 Justin Jennings—Discussant

[65] SYMPOSIUM ■ APROXIMACIONES ARQUEOLÓGICAS Y PALEONTOLOGICAS EN SANTA LUCÍA, MÉXICO
Room: Continental Ballroom 2 & 3
Time: 10:30 a.m.–12:00 p.m.
Chair: Ruben Manzanilla Lopez

Participants:
10:30 Jesus Cantoral Herrera and Ruben Manzanilla Lopez—Avances del proyecto de salvamento arqueológico en el nuevo Aeropuerto Internacional Felipe Ángeles
10:45 Alberto Frutos and María Vasquez—Trabajos de recorrido de superficie y excavación en el sitio Santa Lucía 1, resultados preliminares de un hueco regional en la arqueología del noroeste de la cuenca de México
11:00 Elihud Castillo Leal—Xaltocan, resultados preliminares del salvamento en la interconexión aeroportuaria
11:15 Edgar Leal Hernandez and Jocelyn Salgado—Hallazgos paleontológicos dentro de la construcción del nuevo Aeropuerto Internacional Felipe Ángeles
11:30 Marco Antonio Espinoza Sánchez and Aracely Yañez Nieto—Levantamiento de nube de puntos aplicado a contextos paleontológicos
11:45 Samantha Espinosa and Blanca Iveth Castañeda Espinoza—Aproximaciones a la estratigrafía y la fauna marina durante el pleistoceno en el sur de la base aérea de Santa Lucía

Thursday Afternoon ■ April 15, 2021

[66] SYMPOSIUM ■ BROADER IMPACTS AND TEACHING: ENGAGING WITH DIVERSE AUDIENCES
(Sponsored by Teaching Archaeology Interest Group)
Room: Union Square 1
Time: 1:00 p.m.–1:45 p.m.
Chair: Elisabeth Rareshide

Participants:
1:00 Megan Kassabaum, Arielle Pierson and Erin Spicola—Connecting Past and Present Landscapes through Museum Education and Public Archaeology
1:15 William Balco—Meaningful Engagement on a Shoestring Budget in North Georgia
1:30 Bruce Manzano and Renee Bonzani—Hands-On Archaeological Pedagogy: A Case Example of Teaching Food Pathways in Ancient and Modern Times

[67] SYMPOSIUM ■ RISKY BUSINESS: COMPARATIVE APPROACHES TO RISK AND RESILIENCE IN DRYLAND ENVIRONMENTS (PART 2)
Room: Continental Ballroom 4
**Time:** 1:00 p.m.–3:00 p.m.  
**Chair:** Alison Damick

### Participants:

1:00 Elizabeth Pintar and María Fernanda Rodríguez—Plant Dependency and Risk Management in the Andean Puna  
1:15 Raven Garvey—Unacceptable Risk: Why Patagonians Didn’t Farm  
1:30 Virginia McRostie, Eugenia Gayo, Claudio Latorre and Calogero Santoro—Humans, Plants, and Animals: Landscape Transformation and Management during the Formative Period of the Chilean Atacama Desert (19°–24° S)  
1:45 Camille Weinberg, Jo Osborn, Kelita Pérez Cubas and Richard Espino Huaman—Where the Wild Things Grow: Desert Resources and Risk Management on the Peruvian Coast  
2:00 Benjamin Vining, Aubrey Hillman and Daniel Contreras—Reallocating Risk in Northern Peru’s Chicama Valley: Expansion of Agroecological Niches and Anticipatory Strategy Switching during Abrupt Climate Changes  
2:15 Abigail Buffington, Anna Berlekamp, Craig Stevens and Sarah Hinkelman—Seeing the Forest from the Trees: Multiproxy Analysis of Pastoralist-Landscape Relationships in Southern Oman during the Late Holocene  
2:30 Danielle Macdonald and Lisa Maher—Leaving Home: The Abandonment of Kharaneh IV  
2:45 Graeme Barker—Discussant

**SYMPOSIUM: THE BIG BEND COMPLEX: LANDSCAPES OF HISTORY**

**Room:** Golden Gate 7  
**Time:** 1:00 p.m.–3:00 p.m.  
**Chairs:** Emiliano Gallaga and Mark Howe

### Participants:

1:00 Emiliano Gallaga and Manuel R. Parra—Ceramics from a Presidio: Preliminary Results from Presidio San Carlos, Chihuahua  
1:15 Mark Howe and Nancy Gonzalez—W. T. Millington and the Mexican Revolution: The Search for Battle Sites and Camps  
1:30 Marisol Gama-Vooz—Gamble across the Rio Grande: Industrial Archaeology of the Aerial Ore Tramway in the Big Bend  
1:45 James Ramsey—Bonfire Shelter: A Zooarchaeological Reevaluation of Bone Bed 2  
2:00 David Kilby and Marcus Hamilton—New Dates for Bonfire Shelter, a Multicomponent Rockshelter in West Texas  
2:15 Ashley Eyeington—Geoarchaeological Approach to Resolving the Origins of Bison Bone Beds at Bonfire Shelter, 41VV218, Val Verde County, Texas  
2:30 David Carmichael—Sites, Non-sites, and Landscapes: Changing Land-Use Patterns in Wild Horse Draw and Vicinity, Trans-Pecos Texas  
2:45 Bryon Schroeder and Bryon Schroeder—Late Archaic Maize in the Trans-Pecos of West Texas: Implications and Future Research

**SYMPOSIUM: ARCHAEOLOGY IN THE XINGU RIVER BASIN: LONG-TERM HISTORIES, CURRENT THREATS, AND FUTURE PERSPECTIVES**

**Room:** Continental Ballroom 1  
**Time:** 1:00 p.m.–3:15 p.m.  
**Chairs:** Helena Pinto Lima and Michael Heckenberger

### Participants:

1:00 Michael Heckenberger—An Archaeology of Hope: How the Past Informs Indigenous Futures in the Southern Amazon’s “Arc of Deforestation”  
1:15 Wetherbee Dorshow—Finding Sites in the Amazon Forest: AI-Based Deep Learning Analysis of Satellite Imagery from the Upper Xingu Basin, Brazil  
1:30 Jennifer Watling and Morgab Schmidt—Identifying Past Vegetation Dynamics in Xingu Indigenous Territory Using Soil Phytolith Analysis
1:45  Fabiola Silva and Lorena Garcia—Landscapes of the Mid-Low Xingu: Archaeology, Temporality, and Longue Durée Indigenous Stories
2:00  Renato Kipnis, Solange B. Caldarelli, Leticia M. Muller, Andrey M. Castro and Aguinaldo J. M. Castro—A Historical Perspective on the Nature of Precolonial Settlements in the Middle Xingu River Basin
2:15  Bruna Rocha, Vinicius Honorato, Márcio Amaral and William Balée—The Pristine Myth and Its Consequences for Amazonian Forest Peoples: An Example from the Upper Iriri
2:30  Helena Pinto Lima—OCA—Culture, Origins, and Environment: Archaeological Collaborative Research in the Lower Xingu
2:45  Andrew Wyatt and Laura Furquim—Archaeological Plant Remains from the Lower Xingu
3:00  Morgan Schmidt, Jennifer Watling, Sam Goldberg, Taylor Perron and Afukaka Kuikuro—Formation Processes, Fertility, Spatial Extent, and Carbon Content of Anthropogenic Soils in the Upper Xingu, Southern Amazon

[70]  GENERAL SESSION: CONTEMPORARY BIOARCHAEOLOGY AND SKELETAL ANALYSES
Room: Golden Gate 5
Time: 1:00 p.m.–3:30 p.m.
Chair: Elise Alonzi

Participants:
1:00  Heidi Miller and Christopher DeCorse—A Bioarchaeological Analysis of a Skeletal Population from Elmina, Ghana during the Period of the Transatlantic Trade: 1482–1873
1:15  Bradley Ensor—The Not Very Patrilocal European Neolithic
1:30  Elise Alonzi and Barra O'Donnabhain—Vows and Violence: Identities Enacted through Diet and Trauma at the Late Medieval Tintern Abbey, Ireland
1:45  Emily Briggs, Lia Betti, Todd Rae, George Kamenov and John Krigbaum—A Multi-isotopic Approach for Estimating the Geographic Origin of Individuals Buried in the Late Saxon Cemetery at Priory Orchard, England
2:00  Horvey Palacios, J. Marla Toyne, Michael Callaghan and Brigitte Kovacevich—The Bioarchaeological and Mortuary Patterns at Holtun, Guatemala: an Analysis of Residential and Plaza Burials
2:15  Victoria Izzo, John Walden, Olivia P. Ellis, Kirsten Green Mink and Jaime J. Awe—Identifying Patterned Variability in Preclassic–Postclassic Maya Mortuary Practices in the Belize River Valley
2:30  Ryan Seidemann and Christine Halling—Assessing the Taphonomic Alterations of 29 Human Anatomical Specimens Confiscated in Louisiana
2:45  Bridget Bey and Jane Buikstra—Puberty in Precontact Illinois: An Evaluation of Pubertal Timing in Middle and Late Woodland Native American Adolescents
3:00  Erica Ausel—Multilevel Migration and Interpersonal Violence at the Angel Site: Bioarchaeological Investigations of Trauma at a Large Mississippian Period Community in Southwestern Indian
3:15  Lila Jones and Eileen Johnson—Interpreting a Mid-Eighteenth-Century Vertebrate Assemblage from a Probable Comanche Site on the Southern High Plains of Texas

Room: Franciscan C&D
Time: 1:00 p.m.–4:00 p.m.
Chairs: Solsiré Cusicanqui and Edgar Bracamonte Lévano

Participants:
1:00  Catherine Lara—Los Tallanes y su entorno regional entre 500 y 950 dC: Algunas reflexiones desde la tecnología de la cerámica paleteada y sus contextos
1:15 Solsiré Cusicanqui, Bryan Velazco and Ricardo Alburqueque—Identity through Movement: Domestic Political Units and Pan-Andean Relations in Early and Middle Cajamarca Periods (50 BC–AD 750)

1:30 Shinya Watanabe—Cultural Diversity and Its Implications: A Case Study from Middle Horizon Cajamarca, Northern Highlands of Peru

1:45 Sadie Weber and Percy García—Wealth on the Hoof: Cajamarca Culture Camelid Pastoralism

2:00 Stephen Berquist—Assembling an Architecture of the Ayllu: Political Sequence, Historical Process, and Emergent Institutions at the Middle Horizon Site of Tecapa, Jequetepeque Valley, Peru

2:15 Luis Muro—From Discrete Frontiers to Cross-Cutting Religious Networks: Religious Monuments and Cultural Syncretism in the Peruvian North Coast and Highland, Ninth to Eleventh Centuries AD

2:30 Aleksa Alaica—Coastal-Highland Interactions at the End of Moche: Investigating Vertical and Horizontal Archipelagos as Reflected in Pastoral Strategies in the Cañoncillo Region, Peru

2:45 Edgar Bracamonte Lévana—Ritual Areas in Santa Rosa de Pucalá and Its Implications in Territorial and Sociopolitical Dynamics in Lambayeque Valley, AD 650–950

3:00 Jason Toohey and Patricia Chirinos Ogata—A Cajamarca Basin Perspective on Northern Highland Interaction during the Middle Horizon and Late Intermediate Periods

3:15 Go Matsumoto—The Mochicas under the Lambayeque Rule

3:30 Jeffrey Quilter—Discussant

3:45 George Lau—Discussant

[72] GENERAL SESSION: PAST AND PRESENT IMPLICATIONS OF ENVIRONMENT AND CLIMATE
Room: Union Square 2
Time: 1:00 p.m.–4:00 p.m.
Chair: Isabel Rivera-Collazo

Participants:
1:00 Elena Skosey-LaLonde, Mussa Raja, Gideon Hartman, Nuno Bicho and Ana Gomes—Paleoenvironmental Conditions of Holocene Southern Mozambique: Multiproxy Data from Coastal Lake Nyalonzelwe Cores

1:15 Petra Vaiglova, Gideon Hartman and Guy Bar-Oz—Climate Stability and Societal Decline on the Margins of the Byzantine Empire in the Negev Desert

1:30 Julien Royer and Andrew Somerville—White-Tailed Deer Antlers as Proxies for Seasonal Climate Variations

1:45 Katharine Napora, Victor Thompson, Alexander Cherkinsky, Robert Horan and Craig Jacobs—Insights into Paleoenvironment and Cultural Resilience on the Ancient Georgia Coast and Implications for Sustainability in the Twenty-First Century

2:00 Isabel Rivera-Collazo and Mariela Declet Perez—Cultural Heritage and Climate Action: The DUNAS Project

2:15 Natalie De La Torre-Salas—Heritage Organizations and Post-Hurricane Public Engagement: Knowledge Management and Lessons Learned from Hurricane Maria in Puerto Rico

2:30 Katrina Cantu and Isabel Rivera-Collazo—Coastal Change and Human Dynamics: Preliminary Results of Sediment Core Analysis

2:45 Patricio De Souza, Isabel Cartajena, Rodrigo Riquelme, Eugenia De Porras and Boris Santander—First Human Occupations of the Southern Atacama Desert (24.5° S): Settlement Dynamics and Environmental Context

3:00 Christine Bergmann—Exploring the Environmental Context of the Lower Chincha Valley, Peru Using Pollen Analysis and pXRF

3:15 Nora Franco—Bifacial Technology in Central-South Patagonia: A Preliminary Insight into Hunter-Gatherer Behavior during the Pleistocene-Holocene Transition and Early Holocene in the Deseado Massif and Nearby Spaces

3:30 Pablo Bianchi—Complementary Use of Spaces in Central-South Argentinian Patagonia during the Late Holocene

3:45 Emily Blackwood—The Ostra Collecting Station Site: A Virtual Reconstruction
[73] SYMPOSIUM - ETRUSCAN CENTRALIZATION TO MEDIEVAL MARGINALIZATION: SHIFTS IN SETTLEMENT AND MORTUARY TRADITIONS AT SAN GIULIANO, ITALY

Room: Continental Ballroom 2 & 3
Time: 1:00 p.m.–4:15 p.m.
Chair: Colleen Zori

Participants:
1:00 Colleen Zori—Life and Death in Medieval San Giuliano (Lazio Province, Italy)
1:15 Anna Gibbs—A Study of Medieval Intrisite Find Distribution on the San Giuliano Plateau, Lazio, Italy
1:30 Anna Linderholm—Ancient DNA from Etruscan Tombs and Beyond: A Case Study from San Giuliano
1:45 Lori Baker—Osteological Analysis of Two Contemporary Tombs from the San Giuliano Necropolis
2:00 Lauren Sides—Visibility and Memory on the San Giuliano Landscape
2:15 Deirdre Fulton—Faunal Remains from Medieval San Giuliano Plateau
2:30 Jamie Aprile—Looters Can’t Steal Everything: Salvage Archaeology at the San Giuliano Necropolis
2:45 Vaughan Grimes, Madison Janes, Andrew Kenney, Colleen Zori and Davide Zori—Multi-isotope Evidence for Animal Husbandry, Transhumance, and Human Diet at San Giuliano, Italy
3:00 Madison Crow—Fetal Burials at San Giuliano
3:15 Davide Zori—The San Giuliano Archaeological Research Project: New Interdisciplinary Archaeology in Central Italy
3:30 Martin Gallagher—Ancient Roads in the Territory of San Giuliano
3:45 Emily Varley—Social Spaces of Central Italy and the San Giuliano Archaeological Research Project
4:00 Veronica Ikeshoji-Orlati—From Villanovan to Etruscan Mortuary Goods: The Ceramic Assemblages of Four Seventh-Century BCE Pit Graves from the Site of San Giuliano

[74] SYMPOSIUM - LANDSCAPES: ARCHAEOLOGICAL, HISTORIC, AND ETHNOGRAPHIC PERSPECTIVES FROM THE NEW WORLD / PAISAJES: PERSPECTIVAS ARQUEOLÓGICAS, HISTÓRICAS Y ETNOGRÁFICAS DESDE EL NUEVO MUNDO

Room: Continental Ballroom 5
Time: 1:00 p.m.–4:30 p.m.
Chair: Lane Fargher

Participants:
1:00 Karine Lefebvre—Hacia un análisis arqueogeográfico de las dinámicas de las formas del paisaje
1:15 Mari Carmen Serra Puche—Los volcanes y Xochitecatl-Cacaxtla un paisaje sagrado
1:30 Aurelio López Corral—War Milpas: Wetlands and Institutional Agriculture during the Late Postclassic in Tlaxcallan, Mexico
1:45 Hernán Salas—La construcción del paisaje rural en pueblos del sur de Tlaxcala, México
2:00 Blanca Paredes Gudino—Desarrollo del sistema agrícola de terrazas en el Paisaje del sureste de la Cuenca de México
2:15 Rubén Nieto Hernandez and Yoko Sugiura—Los caminos de la Sierra de las Cruces: Reflexiones sobre el significado del paisaje en la comunicación interregional
2:30 Angelica Perez, Fernanda Lucia Sandoval and José Luis Punzo—The Tarascan Landscapes of the City of Tzintzuntzan: Dwelling in the Hillsides and in the Lakes
2:45 Lane Fargher, Marc Marino, Xochitl Bautista and Angelica Costa—Swamp People: Landscape Building in the Ciénaga de Zimatlán, Valley of Oaxaca, Mexico
3:00 Pedro Urquijo—Territory and Ritual Landscape in the Colombino Codex: Oaxaca Coast, Mexico
3:15 Justin Tran, Jason Woo, Thomas Crimmel, Anabel Ford and Sherman Horn III—Space and Time for the Milpa-Forest Garden Cycle: A Model of the Ancient Maya Landscape of El Pilar
3:30 Tomas Gallareta Negron and Rossana May Ciau—Landscape and Settlements in the Bolonchen District, Puuc Region, Mexico
3:45 Gabriel Torales Ayala and Lane F. Fargher—Una aproximación histórico-ecológica a los cambios en el paisaje del área costera de Sisal, Yucatán (1807-1990)
4:00 Ronald Nigh—The Contested Mosaic: Landscape and Livelihood in the Lacandon Rainforest

[75] GENERAL SESSION WORLDWIDE ZOOARCHAEOLOGICAL RESEARCH
Room: Golden Gate 8
Time: 1:00 p.m.—5:00 p.m.
Chair: Andrew Somerville

Participants:
1:00 Takao Sato, Ryohei Sawaura, Junmei Sawada, Takehiko Watanabe and Takashi Nara—Hunting Activities of Upper Paleolithic Humans in the Japanese Archipelago
1:15 Gillian Wong, Dorothée Drucker, Britt Starkovich and Nicholas Conard—Heterogeneity in Late Glacial Environments of Germany and Implications for Magdalenian Settlement
1:30 Sean Hixon, Kristina Douglass, Brooke Crowley and Lucien Rakotozafy—Late Holocene Spread of Pastoralism Coincides with Endemic Megafaunal Extinction on Madagascar
1:45 Celeste Samec, Hugo Yacobaccio and Patrick Roberts—Late Holocene Pastoralism and Environmental Change in the Puna Highlands of South America: Stable Isotope Analysis of Camelids Bones and Teeth
2:00 Estelle Praet, Kitty Emery, Elizabeth Graham, Norbert Stanchly and Michael Buckley—ZooMing through the Maya: An Approach to Assess Mammal Diversity in Lamanai and Marco Gonzalez (Belize)
2:15 Madonna Moss and Amy Shannon—Alutiiq Use of Birds during the Ocean Bay Period at Rice Ridge (49-KOD-363), Kodiak Island
2:30 Cheryl Claassen—Helmets and Wind Jewels
2:45 Céline Erauw, Fabienne Pigière and Peter Eeckhout—The Multiple Uses of Animals in the Ritual Site of Pachacamac, Peru: Results from a Recent Archaeozoological Analysis
3:00 Amanda Semanko—Prehistoric Dogs of the Southwest
3:15 Arkadiusz Marciniak—The Human-Mediated Evolution of Cattle and Its Impact on Cattle-Based Agriculture in the Neolithic of the Polish Lowlands
3:30 Kristen Rayfield, Lushuang Huang, Hayley Lanier, Si Wu and Courtney Hofman—A Proteomic Approach to Determine Sex in Zooarchaeology
3:45 Dominica Stricklin—Terminal Classic Practices Reflected in Diet and Geolocation: The B-4 Peri-abandonment Deposit at Xunantunich, Belize
4:00 Andrew Somerville, Isabel Casar, Daniel Dalmas and Pedro Morales—Investigating the Pleistocene-Holocene Transition in the Tehuacan Valley of Mexico: New Dates and Isotopic Data
4:15 Mariela Declet Perez—Effects of Atmospheric Events over Marine Ecosystems and Precolumbian Societies in Borikén
4:30 Monica Fenton—What the Shell: The Zooarchaeology of Cerro San Isidro, Peru
4:45 Kailey Martinez—Balance on South Diamond: Using Faunal Analysis to Understand Biodiversity and Resource Use Trends in the Northern Mimbres Region

[76] FORUM TROWELS, BLOGS, AND PODCASTS: THE EXCITEMENT AND CHALLENGE OF MEDIA USE IN THE INFORMATION AND MISINFORMATION AGE
Room: Continental Ballroom 7-9
Time: 1:15 p.m.—3:15 p.m.
Moderator: Nezahualcoyotl Xiuhtecutli

Participants:
Andrea Vianello—Discussant
Elie Weitzel—Discussant
Aaron Deter-Wolf—Discussant
Chris Webster—Discussant
Farrell Monaco—Discussant
Tanya Peres—Discussant
Andrew Lawler—Discussant
David Howe—Discussant

[77] SYMPOSIUM GEOMETRIC MORPHOMETRICS IN ARCHAEOLOGY
Room: Golden Gate 3
Time: 1:15 p.m.–3:45 p.m.
Chair: Robert Bischoff
Participants:
1:15 David Thulman, Michael Shott, Justin Williams and Alan Slade—Allometry, Modularity, and Integration: Applying Biological Concepts and Statistical Tests to Stone Tool Shapes
1:30 Ashley Cercone—Can You Predict the Pot? Using Morphometric Variability to Predict Potting Techniques
1:45 Ben Marwick and Pham Thanh Son—An Update on the Sonvian-Hoabinhian Controversy: Shape Analysis of Flakes and Cores from Mau A, Northern Vietnam
2:00 R. Alan Covey, Robert Z. Selden Jr., Nicole D. Payntar and Charles S. Spencer—Geometric Morphometric Analysis of Inca Aríbalos from the Bandelier Collection, American Museum of Natural History
2:15 Trevor Keevil, Melissa Torquato, Sarah Coon, Jacob Harris and Erik Otárola-Castillo—Re-evaluating Butchery Marks from a Mastodon Assemblage Using 3D Geometric Morphometrics and Experimental Archaeology
2:30 Thomas Jennings, Ashley Smallwood and Heather Smith—Investigating the Morphological Variation of Endthinning Scars on Paleoindian Bifacial Projectile Point Morphologies Using Geometric Morphometrics
2:45 Bonnie Etter, Robert Z. Selden and Sunday Eiselt—The Toyah Phase Paradox: In Three Dimensions
3:00 Caitlin Wichlacz—2D Geometric Morphometric Analysis of Ceramic Vessel Profiles from Phoenix Basin Hohokam Sites
3:15 Robert Bischoff—Geometric Morphometric Analysis of Hohokam Projectile Points from the Tonto Basin
3:30 Bernard Means—Discussant

[78] FORUM TRIUMPHS, CHALLENGES, AND POSSIBILITIES IN HERITAGE EDUCATION
(Sponsored by the Heritage Education Network [THEN])
Room: Yosemite
Time: 1:30 p.m.–3:30 p.m.
Moderators: Allison Douglas and Eleanor King
Participants:
Tiffany (Cain) Fryer—Discussant
Shawn Lambert—Discussant
Michele Koons—Discussant
Bonnie Pitblado—Discussant
Rebecca Simon—Discussant
A. Gwynn Henderson—Discussant
Ayana Flewellen—Discussant
Rebecca Hawkins—Discussant
SYMPOSIUM **NEW LIGHT ON DZIBANCHE AND ON THE RISE OF THE SNAKE KINGDOM’S HEGEMONY IN THE MAYA LOWLANDS**

**Room:** Continental Ballroom 6  
**Time:** 1:30 p.m.—4:15 p.m.  
**Chair:** Francisco Estrada-Belli

**Participants:**
1:30 Sandra Balanzario Granados—Datos arqueológicos del asentamiento prehispánico de Dzibanché, Quintana Roo
1:45 Francisco Estrada-Belli and Sandra Balanzario—Dzibanché: The Capital of the Kaanul (Snake) Kingdom Seen through Lidar
2:00 Erik Velásquez García—Los gobernantes de la dinastía Kaanul en Dzibanché, Quintana Roo, México
2:15 Sandra Viskanta Khokhriakova, Alexandre Tokovinine, Dmitri Beliaev and Sandra Balanzario—Nuevos datos, nuevas interpretaciones: Resultados preliminares de escaneo 3D y fotogrametría de algunos rasgos, monumentos y artefactos de Dzibanché
2:30 Alexandre Tokovinine and Francisco Estrada Belli—The Team for the New Age: Naranjo and Holmul under Kaanul’s Sway
2:45 Dmitri Beliaev and Simon Martin—“Serpent Emperor”: The Reign of K’ahk’ Ti’ Ch’ich’ and the Origins of Dzibanché Hegemony
3:00 Christophe Helmke and Sergei Vepretskii—An Account of the Kings of Kanu’l as Recorded on the Hieroglyphic Stair of K’an II of Caracol
3:15 Olivia Navarro-Farr, Mary Kate Kelly and David Freidel—Snake Queens and Political Consolidation: How Royal Women Helped Create Kaanul—A View from Waka’
3:30 Tomas Barrientos, Marcello Canuto and David Stuart—The Kaanul Dynasty and the Early History of the Northwest Petén
3:45 Marc Zender—The Snake Dynasty: What We Know and What We Don’t
4:00 Simon Martin—Discussant

SYMPOSIUM **CASE STUDIES IN TOOLSTONE PROVENANCE: RELIABLE ASCRIPTION FROM THE GROUND UP**

**Room:** Franciscan A&B  
**Time:** 1:30 p.m.—4:15 p.m.  
**Chairs:** Adam Burke and Nathaniel Kitchel

**Participants:**
1:30 Ryan Parish—Characterizing Spatial Variability of Chert to Inform Sampling Strategies
1:45 Marta Sánchez De La Torre, Xavier Mangado, François-Xavier Le Bourdonnec, Bernard Gratuzé and Mathieu Langlaís—Lithic Procurement at Montlieu Open-Air Site (SW Europe): Tracing Past Human Routes
2:00 Simon Sherman, Ryan Parish, Philip Carr, Diana Greenlee and Youngsang Kwon—A Re-evaluation of Surface-Collected Projectile Points or Knives from the Poverty Point (16WC5) Site Using Reflectance Spectroscopy
2:15 Khori Newlander and Laura Zacharias—Intra-source Variability and Lithic Sourcing in East-Central Pennsylvania
2:30 Ross Owen—Scratching the Surface: An Interdisciplinary Approach to the South Mountain Metarhyolite Quarries
2:45 Paul Fernandes, Vincent Delvigne and Jean-Paul Raynal—"I've been havin' some hard travelin'...": Using the “Evolutionary Chain” Concept in a Dynamical Approach of Silicites
3:00 Adam Burke—The More the Merrier: Using a Suite of Analytical Techniques to Arrive at Reliable Chert Ascription
3:15 Nathaniel Kitchel—Getting It Right for the Wrong Reasons: Using ED-XRF to Characterize Red Munsungun Chert
3:30 Michael Brandl, Christoph Hauzenberger, Peter Filzmoser and Maria Martinez—The Multilayered Chert Sourcing Approach: An Analytical Technique for Chert and Flint Provenance Studies in Archaeology
3:45 Adrian Burke—Geology First, and Geochemistry Last (but Not Last)
4:00 Jeffrey R. Ferguson—Discussant

[81] **GENERAL SESSION CURRENT RESEARCH IN BROZNE AGE AFRICA, ASIA, AND EUROPE**

*Room:* Golden Gate 4  
*Time:* 1:45 p.m.–4:30 p.m.  
*Chair:* Michael Tritsch

**Participants:**
1:45 Michael Tritsch—A New Kingdom Domestic Environment at South Karnak: Preliminary Interpretation of Findings at the Mut Precinct and Their Relation to Other New Kingdom Domestic Sites
2:00 Danielle Phelps—Erasing the Past: The Intentional Forgetting of Amarna Period Artifacts in the Tomb of Tutankhamun
2:15 Yuqi Zou—Regional Circulation and Production of Bronze Mirrors in Han Dynasty: Focusing on Guanzhong and Jingzhou Area
2:30 Andrew MacIver—Affective Foundations: The Dissolution of Human Sacrifice under the Western Zhou, 1046–771 BC
2:45 Ryan Bennett—The Patterns of the Drums: An Evaluation of Iconographic Variation in Dong Son Drum Motifs of Vietnam
3:00 Katie Taylor, Cheryl Anderson and Debra Martin—Heritable Nonmetric Traits: A Study of a Bronze Age Tomb at Tell Abraq, UAE
3:15 Kristin Donner and Laura Harrison—Mix, Mold, Fire! Multimedia Educational Outreach inspired by Bronze Age Archaeology
3:30 Amy Cromartie, Chéïma Barhoumi, Guillemette Ménot, Erwan Messager and Sébastien Joannin—Wildfires and Human Communities in Bronze and Iron Age, Armenia: A Macro-Charcoal and Paleo-Temperature (brGDGT) Reconstruction
3:45 Patricia Wattenmaker—Urban Ideologies and Demographic Revolutions in Ancient Mesopotamia
4:00 Peter Cobb—Sometimes at the Crossroads: Preliminary Results from New Fieldwork on the Southeast Ararat Plain of Armenia
4:15 Agne Civilyte—Archaeology of Materials: An Overview of Amber Use in Prehistory

[82] **FORUM Quintessential Scholar and Role Model: Dr. Catherine Cameron and a Life in Southwest Archaeology**

*Room:* Plaza Room  
*Time:* 2:00 p.m.–4:00 p.m.  
*Moderator:* Erin Baxter

**Participants:**
Debra Martin—Discussant  
Miriam Stark—Discussant  
Barbara Roth—Discussant  
Jakob Sedig—Discussant  
Kellam Throgmorton—Discussant  
Christine Szuter—Discussant  
Jenny Adams—Discussant  
James Brooks—Discussant  
Carrie Heitman—Discussant  
William Gillespie—Discussant  
Barbara Mills—Discussant  
Catherine Cameron—Discussant
**Room:** Union Square 3  
**Time:** 2:00 p.m.–4:15 p.m.  
**Chair:** Eleanor Harrison-Buck

**Participants:**
- 2:00 Eleanor Harrison-Buck—Introduction to the Lower Belize River Watershed: A Deep History of Human-Environment Interaction
- 2:15 Marieka Brouwer Burg—Modeling Preceramic Occupation around the Wetlands of the Low-Lying Coastal Zone
- 2:30 Mark Willis and Satoru Murata—High-Resolution Landscape-Level Mapping in the Western Lagoon of Belize
- 2:45 Samantha Krause, Timothy Beach, Sheryl Luzzadder-Beach and Eleanor Harrison-Buck—Geoarchaeological Investigations of Wetlands and Waterways in Crooked Tree, Belize
- 3:00 Kelin Flanagan, Astrid Runggaldier and Samantha M. Krause—Maya Structures for Wet and Dry Seasons: Adaptive Strategies and Microenvironments at the Site of Chulub in the Crooked Tree Lagoon System
- 3:15 Lori Phillips, Erin Thornton and Eleanor Harrison-Buck—Ancient Maya Use of Fauna from the Wetlands and Beyond
- 3:30 Satoru Murata and Adam Kaeding—From Rural Hinterlands to Urban Centers: Investigating Ancient Maya Settlement in the Lower Belize River Watershed
- 3:45 Jessica Craig, Eleanor Harrison-Buck and Astrid Runggaldier—Terminal Classic Ancestors and the Eastern Shrine of Chikin Chi’Ha, Belize
- 4:00 Adam Kaeding and Eleanor Harrison-Buck—The Maya at Spanish Contact in the Lower Belize River Watershed

**Room:** Imperial Ballroom  
**Time:** 2:00 p.m.–4:15 p.m.  
**Chairs:** Amber VanDerwarker, Joe Watkins and Maureen Meyers

**Participants:**
- 2:00 Joe Watkins—Setting the Context of Equity and Harassment Issues: They Are NOT Only Women's Issues
- 2:15 Laura Heath-Stout—Pulled In or Pushed Out? Diversity, Discrimination, and the Recruitment of the Next Generation of Archaeologists
- 2:30 Kathleen Sterling—Beyond Leaky Pipelines and Glass Ceilings: Equity Issues on the Academic Track
- 2:45 Dana Bardolph—What Is at Stake in Archaeological Knowledge Production
- 3:00 Maureen Meyers and Amber VanDerwarker—Regional Contexts of Sexual Harassment in the United States: A Comparison of the SEAC and SCA Surveys
- 3:15 Lisa Hodgetts, Kisha Supernant, Natasha Lyons, John Welch and Marie-Pier Cantin—Power and Practice, Trauma and Resilience: Exploring the Experiences of Canadian Archaeologists
- 3:30 Sarah Herr and Susan Stinson—Achieving Safe Workplaces in Cultural Resources Management
- 3:45 Carol Colaninno, Emily Beahm, Carl Drexler, Shawn Lambert and Clark Sturdevant—Improving Equity, Access, and Professionalism at Archaeological Field Schools through the Prevention and Reduction of Sexual Harassment and Assault
- 4:00 Mary Leighton—Performative Informality Hurts Everyone: Getting to the Root of Intersectional Inequalities in Archaeology
[85] **SYMPOSIUM A **VANCES EN LOS ESTUDIOS DE LA ARQUITECTURA DE MONTE ALBÁN  
**Room:** Golden Gate 1 & 2  
**Time:** 2:15 p.m.—4:15 p.m.  
**Chairs:** Dante García and Nelly Robles García  
**Participants:**

2:15 Nelly Robles García—Análisis arquitectónico del conjunto Patio Hundido y sus estructuras compuestas: Edificios A y B de Monte Albán  
2:30 Jose Huchim—La documentación 3D como herramienta para el diagnóstico y la conservación en Monte Alban  
2:45 Xóchitl Martínez Martínez, Cesar Dante García Ríos and Eduardo García Wigueras—Reconstrucción arquitectónica del Edificio P de Monte Albán, una visualización del pasado desde las herramientas digitales  
3:00 Luis García Lalo, Nelly Robles and Dante García—Análisis de la arquitectura de tierra en el Edificio “P” de la Zona Arqueológica de Monte Albán  
3:15 Miguel Angel Galvan Benitez—El sistema de desagües del Juego de Pelota de Monte Albán  
3:30 Dante García and Nelly Robles—Iconografía Zapoteca en los tableros doble escapulario de la Casa Sur del Conjunto Monumental de Atzompa  
3:45 Soren Frykholm, Nelly Robles Garcia, Rebeca Aguilar, Dante Rios Garcia and Damian Martínez Torres—Hallazgos de la excavación de una habitación residencial de la época IIIB/IV en Atzompa, Oaxaca, México  
4:00 Gary Feinman—Discussant  

[86] **SYMPOSIUM W **HEN THE WILD WINDS BLOW: MICRONESIA COLONIZATION IN PACIFIC CONTEXT  
**Room:** Golden Gate 6  
**Time:** 2:30 p.m.—5:00 p.m.  
**Chair:** Matthew Napolitano  
**Participants:**

2:30 Boyd Dixon and Mike Dega—Placing the Early Pre-Latte Period Site of San Roque on Saipan in Its Broader Context  
2:45 Laura Weyrich, Raphael Eisenhofer, Bastien Llamas, Keith Dobney and Scott Fitzpatrick—Utilizing Ancient Oral Microbes to Track Human Migrations across the Pacific Islands: Insights from Palau and Beyond  
3:00 Maureece Levin, Aimee Miles and Katherine Seikel—Eating Pingelap: Archaeobotanical and Zooarchaeological Perspectives on the Settlement of a Micronesian Atoll  
3:15 Marshall Weisler, Quan Hua, Jian-xin Zhao, Hiroya Yamano and Ai Du Nguyen—Determining the Chronology of Reef Island Development for Constraining Initial Human Colonization of Pacific Atolls  
3:30 John Swogger—A Different Way to View the World: Comics, Outreach, and Cultural Heritage in the Islands of Yap and Palau, Micronesia  
3:45 Ethan Cochrane and Timothy Rieth—Explaining Initial Settlement of the Mariana Islands  
4:00 Jessica Stone, Caroline Kisielinski, Justin Tackney, Scott Fitzpatrick and Dennis O’Rourke—Tracking Human Dispersals to Palau Using Ancient DNA: Results from the Chelechol ra Orrak Site  
4:15 Matthew Napolitano, Scott Fitzpatrick, Geoffrey Clark, Amy Gusick and Esther Mietes—Chronological Modeling of Early Settlement on Yap, Western Micronesia  
4:30 Rintaro Ono, Jason Lebehn, Osamu Kataoka, Takuya Nagaoka and Scott Fitzpatrick—When Did Early Migrants Reach Pohnpei? Human Migration, Interisland Networks, and Resource Use in Eastern Micronesia  
4:45 Scott Fitzpatrick—Discussant
[87] **Electronic Symposium: Music Archaeology’s Paradox: Contextual Dependency and Contextual Expressivity**

*Room:* Union Square 1  
*Time:* 2:45 p.m.–4:45 p.m.  
*Chair:* Miriam Kolar

**Participants:**
- Matthias Stöckli—Some More Thoughts on the Study of Prehispanic Soundmakers
- Mélanie Ferras—Archaeological Contexts and Social Uses of Pututus in the Prehispanic Central Andes
- Daniela La Chioma—An Interdisciplinary Proposal for the Study of Sound and Music in Moche Art: The Case of the Afterlife/Underworld Dances (Dance of the Dead)
- Adje Both—Teotihuacan Sound Mapping: Exploring the Sonic Sphere of the City of the Gods
- Katrina Kosyk—Sound Practices in Late Postclassic to Early Colonial Tlaxcallan: Applying a Community of Practice Framework to Investigate Sonic Expression
- James Rees—Searching for the Missing Drum: The Evidence for the Presence and Ceremonial Importance of Ceramic Vessel Drums in the Prehistoric Southeastern United States
- Mark Howell—A Native American Music Replication Project: An Ethno-archaeomusicological Perspective
- Emily Brown—“They Made Many Tunes”: Musical Instruments of the Pueblo Peoples of the Northern Rio Grande Valley
- Miriam Kolar—Music-Archaeological Experimentation and Aural Heritage: Human Perspectives on Sonic Experience

[88] **General Session: World War II Archaeology**

*Room:* Golden Gate 7  
*Time:* 3:45 p.m.–4:45 p.m.  
*Chair:* Christopher Witmore

**Participants:**
- 3:45 Christopher Witmore—Sværholt, World War II History, and Archaeology
- 4:00 Maxwell Forton—The Crash at Basset Peak: Documenting a World War II-Era Bomber Crash for a Fuels Management Project on Coronado National Forest
- 4:15 Dominic Bush, Jennifer McKinnon and Erin Field—Microbiologically Influenced Corrosion of World War II Aircraft Wrecks in the Pacific
- 4:30 Agamemnon Pantel and Chester Walker—Methodological Approaches to Search and Recovery of World War II MIAs

[89] **Symposium: The Conceptual and Ethical Limits of Heritage in Archaeology**

*Room:* Continental Ballroom 7-9  
*Time:* 4:00 p.m.–5:00 p.m.  
*Chair:* Fernando Armstrong-Fumero

**Participants:**
- 4:00 Fernando Armstrong-Fumero—What Happens When Objects Become Artifacts?
- 4:15 Tiffany (Cain) Fryer—From Critical to Substantive Heritage Practice
- 4:30 Kasey Diserens Morgan—Politicing Heritage: How Government Protections Use Heritage Assets to Control the Maya Past
- 4:45 Stacey Camp, Dante Angelo, Kelly Britt and Margaret Brown—Healing Trauma through Heritage Making: Perspectives from COVID-19

[90] **General Session: New World Ceramic Production and Analysis**

*Room:* Continental Ballroom 1  
*Time:* 4:00 p.m.–5:00 p.m.  
*Chair:* Francisco Pugliese

**Participants:**
4:00 Linda Morgan, John Hoffman, Kyle Woodson, Chris Loendorf and Brian Medchill—Hohokam Pottery Manufacturing Specialization at Lower Santan Village Along the Middle Gila River, Southern Arizona

4:15 Francisco Pugliese, Roberto Ventura Santos, Carlos Zimpel and Eduardo Neves—An Independent Center of Early Ceramic Production in SW Amazonia

4:30 Rebecca Harkness—Fired Fingerprints: A Point of Pines Pueblo Corrugated Ceramic Analysis

4:45 Carly Pope—New Evidence for Ceramic Systems in Precolumbian Bocas del Toro, Panama

[91] GENERAL SESSION: CURATION, REPATRIATION, AND ACCESSIBILITY: VITAL ETHICAL CONVERSATIONS
Room: Golden Gate 5
Time: 4:15 p.m.–5:00 p.m.

Participants:
4:15 Allyson Blanck—A Service Dog in the Field: Accommodating Disabled Archaeologists and Nontraditional Medical Equipment
4:30 April Beisaw, Jayne-Leigh Thomas and Krystiana L. Krupa—Ethics of Repatriation > Culture of Academic Freedom
4:45 Elizabeth Weiss and James W. Springer—Has Creationism Crept Back into Archaeology?

Friday Morning ■ April 16, 2021

[92] GENERAL SESSION: APPROACHES TO ARCHITECTURE IN MESOAMERICA AND THE ANDES
Room: Golden Gate 5
Time: 8:00 a.m.–9:00 a.m.
Chair: Akira Ichikawa

Participants:
8:00 Maria-Cristina Pineda De Carias, Vlto Véliz and Ricardo Agurcia Fasquelle—Estelas y Calendarios de la Plaza del Sol de Copán, Honduras
8:15 Akira Ichikawa—Open and Restricted Plaza of San Andres in the Zapotitan Valley, El Salvador
8:30 Andy Combey, Laurence Audin, Carlos Benavente Escobal, Miguel Ángel Rodríguez-Pascua and José Bastante Abuhadba—Inka Dry Ashlar Masonry, a Deliberate Seismic-Proof Architecture? Reassessment through an Archaeoseismological Approach in the Cuzco Area, Peru
8:45 Mario Borrero, Luke Stroth, Chad Rankle and Geoffrey Braswell—Crumbling Walls: Terminal Classic Maya Collapse and Abandonment of Nim Li Punit, Belize

[93] SYMPOSIUM: CURRENT DYNAMICS OF HERITAGE VALUES IN THE AMERICAS
(Sponsored by Heritage Values Interest Group)
Room: Continental Ballroom 1
Time: 8:00 a.m.–10:00 a.m.
Chair: Jessica Christie

Participants:
8:00 Jessica Christie—Discussant
8:15 Alexia Moretti—The Modern Recontextualization of Recuay Stone Sculptures: Process and Consequences
8:30 Michelle Young—Local Politics, Money, and Power: Navigating Archaeological Heritage in the Peruvian Highlands
8:45 Juan Vargas and Felipe Manosalvas—Cuenca, patrimonio y arqueología: Hacia un plan de gestión
9:00 Luis Manuel May Ku—Rediscovering Ancient Maya Blue Pigments / Redescubriendo los antiguos pigmentos maya
9:15  Grace Alexandrino Ocaña—Civic Society Groups, Cultural Rights, and Rights to a "Heritage" City during COVID-19
9:30  Matthew Sayre—Heritage, Museums, and Place Making at Chavín de Huántar
9:45  David Whitley—Discussant

[94] SYMPOSIUM • REGIONAL SETTLEMENT NETWORKS ANALYSIS: A GLOBAL COMPARISON
Room: Golden Gate 4
Time: 8:00 a.m.—10:15 a.m.
Chair: Marco Nebbia

Participants:
8:00  Michael Frachetti and Farhad Maksudov—Nomadic Cities and Network Modularity: Scalar Analysis in Ancient Urbanism and Social Connectivity
8:15  Marco Nebbia—Trypillia Mega-site Networks: Understanding the Centrality of the Largest Settlement in Fourth-Millennium BC Europe
8:30  Manuel Fernandez-Gotz—Urban Networks in Early Iron Age Europe: Nucleation and Dispersal
8:45  Cameron Petrie—Cities, Towns, and Villages in the Diverse Environments of the Indus Civilization
9:00  Phacharaphorn Phanomvan—The Missing Big Picture: Settlement Size and Patterns in Western Mainland Southeast Asia during the First Millennium CE
9:15  Francesca Fulminante, Luce Prignano, Sergi Lozano and Emanuele Cozzo—Roads and Rivers: The Importance of Regional Transportation Networks for Early Urbanization in Central Italy
9:30  Andrew Bevan—Computational Models of Human Settlement Behavior: An Overview of Current Methods and Motivations
9:45  Roland Fletcher—Urban Network Resilience and Fragility
10:00 Scott Ortman—Discussant

[95] SYMPOSIUM • BIRDS IN ARCHAEOLOGY: NEW APPROACHES TO UNDERSTANDING THE DIVERSE ROLES OF BIRDS IN THE PAST
Room: Golden Gate 3
Time: 8:00 a.m.—10:15 a.m.
Chairs: Christopher Schwartz, Katelyn Bishop and Randee Fladeboe

Participants:
8:00  David Pollack, Bruce Manzano, Gwynn Henderson, Thomas Royster and Moriah Raleigh—Fort Ancient Wild Turkey (*Meleagris gallopavo*) Harvesting Strategies
8:15  Randee Fladeboe, Kitty Emery, Erin Thornton and Camilla Speller—Further Investigation of Turkey Wellness and Treatment in Mesoamerica
8:30  Sean Dolan—Turkeys in the Mimbres Valley, New Mexico: Pottery Iconography, Genetics, and Diet
8:45  Robin Cordero—Winter Garden Hunting along the Rio Grande Flyway: A Case Study in the Procurement of Migratory Birds by Puebloans along the Rio Grande
9:00  Katelyn Bishop—A Zooarchaeological Reassessment of the Parrots of Chaco Canyon
9:15  Patricia Crown and Patrick D. Lyons—Macaws and Parrots of the Arizona Mountains
9:30  Christopher Schwartz, Kelley L.M. Taylor and Michelle Hegmon—The Human Experience of Transporting and Raising Scarlet Macaws at Paquimé in Chihuahua, Mexico
9:45  Hannah Wellman, Megan Spitzer and Torben Rick—Archaeology and Ethnobiology of Late Holocene Bird Remains from the Northern Oregon Coast
10:00 Miranda LaZar and Jonathan Dombrosky—Tracking Individual Raptors in the Archaeological Record Using Stable Isotopes: Limitations, Possibilities, and Causes of Intraskeletal δ-Value Variation
SYMPOSIUM • NEW DIRECTIONS IN MONGOLIAN ARCHAEOLOGY
Room: Franciscan A&B
Time: 8:00 a.m.–11:15 a.m.
Chair: Joshua Wright

Participants:
8:00 Lisa Janz—Tamsagbulag: New Center of Cattle Domestication in East Asia?
8:15 Angela Evoy—Neolithic Resource Use and Adaptation in the Eastern Gobi Desert: A Functional Analysis of Axes and Adzes
8:30 Jennifer Farquhar and Arlene Rosen—Adaptive Strategies of Foragers and Early Herders in Mongolia’s Desert-Steppe: Implications for Understanding Social-ecological Dynamics, the Development of Food Production, and the Study of Long-Term Social Change
8:45 Natalia Égüez, Jean-Luc Houle, Oula Seitsonen and Jamsranjav Bayarshaikhan—Herbivore Dung Biomarkers: A Reference Collection for the Archaeology of Pastoral Domestic Spaces in Western and Central Mongolia
9:00 Alicia Ventresca Miller—The Spread of Herds and Horses into the Altai: How Livestock and Dairying Drove Social Complexity
9:15 Cheryl Makarewicz and Iain Kendall—Pastoralist Intensification and Dietary Dynamics in the Mongolian Steppe: Multi-isotope Analyses of Human and Faunal Collagen
9:30 William Taylor, Jamsranjav Bayarsaikhan and Isaac Hart—High-Altitude Hunting and the Emergence of Mobile Pastoralism in Eastern Eurasia
9:45 Bukhchuluun Dashzeveg, Lisa Janz, Odsuren Davaakhuyu and Asa Cameron—Use and Reuse of Burial Space during the Late Bronze Age and Early Iron Age in Mongolia: A Case Study from Zaraa Uul
10:00 Melandri Vlok, Erdene Myagmar and Hallie Buckley—Nutritional and Infectious Diseases in the Bronze and Iron Ages of Mongolia: The Archaeological Significance
10:15 Asa Cameron, Bukhchuluun Dashzeveg and Jonathan Mark Kenoyer—Making the Exotic from the Familiar: The Source and Production of Carnelian Beads during the Late Bronze Age and Early Iron Age in Mongolia
10:30 Bryan Miller—Imperial Impact: Population Dynamics and Social Landscapes of Inner Asia under the First Steppe Empire
10:45 Henny Piezonka, Enkhtuul Chadradala, Jonathan Ethier, Martin Oczipka and Christian Ressel—Abandoned Cities in the Steppe: Roles and Perception of Early Modern Religious and Military Centers in Nomadic Mongolia
11:00 Kristen Pearson—Ethnoarchaeology, Human-Animal Relationships, and Participatory Research in Mongolia

SYMPOSIUM • FAR WEST PALEOINDIAN ARCHAEOLOGY: PAPERS FROM THE NEXT GENERATION
Room: Golden Gate 7
Time: 8:00 a.m.–11:15 a.m.
Chairs: Katelyn McDonough, Derek Reaux and Richard Rosencrance

Participants:
8:00 Richard Rosencrance—A Western Stemmed Younger Dryas-Aged Sewing Camp at the Conney Caves, Oregon
8:30 Katelyn McDonough and Jaime Kennedy—Paleoethnobotany of the Conney Caves, Oregon: Investigating Pleistocene Plant Food Economies
8:45 Elizabeth Kallenbach—Fiber Identifications of Paisley Caves Textiles: Exploring Plant Selection for Technology in the Northern Great Basin
9:00 Jordan Pratt—Hasketts and Crescents: An Analysis of the Lithic Tools from Weed Lake Ditch, Oregon
9:15 Derek Reaux—Western Stemmed Tradition Lithic Procurement Strategies at the Catnip Creek Delta, Locality, Guano Valley, Oregon: A Gravity Model Approach
9:30 Sara Sturtz and Geoffrey Smith—Renewed Investigations at Leonard Rockshelter
9:45  Samuel Burns—A Late Pleistocene Snapshot: Feature 134 at Cooper’s Ferry (Nipéhe), Idaho
10:00 Loren White—Geoarchaeological Insights from a Late Pleistocene–Terminal Holocene Site on Isla Cedros, Baja California
10:15 David Hunt—Using Landscape Learning to Explore Diachronic Change within the Western Stemmed Tradition
10:30 Caitlin Doherty—New Perspectives from Smith Creek Cave: A Lithic Technological and Geochemical Analysis of the Paleoindian Assemblage
10:45 Kenneth Vernon, David Zeanah, D. Craig Young, Robert G. Elston and Brian F. Codding—Explaining Paleoindian Settlement in the Intermountain West: A Regression Adjustment Approach
11:00 Geoffrey Smith—Discussant

[98] SYMPOSIUM: CULTIVATING CITIES: PERSPECTIVES FROM THE NEW AND OLD WORLDS ON WILD FOODS, AGRICULTURE, AND URBAN SUBSISTENCE ECONOMIES
Room: Franciscan C&D
Time: 8:00 a.m.—11:15 a.m.
Chairs: Maria Codlin and Kathleen Forste
Participants:
8:00  Kathleen Forste and Deirdre Fulton—A Specialized City: Fatimid-Era Agriculture at Ashkelon
8:15  Max Price—Swine, Kine, and Caprine: Divergent Political Economic and Ideological Trajectories of Mesopotamian Livestock
8:30  Laurel Poolman—Animals at the Periphery: Investigating Urban Subsistence at Iron Age Sam’al (Zinciri Höyük, Turkey)
8:45  Chantel White, Michael Wallace, Angela Lamb and Meredith S. Chesson—Early Bronze Age Economies along the Dead Sea, Jordan: Reconstructing Agricultural Practices through Integrated Stable Isotope Analysis and Macrobotanical Study
9:00  Helina Woldekiros, Michael Harrower and Catherine D’Andrea—Feeding the Pre-Aksumite and Aksumite Society: Subsistence Strategies of Cities, Towns, and Urban Centers in the Horn of Africa (800 BCE–900 CE)
9:15  Sarah Walshaw and Eréndira Quintana Morales—Swahili Urban Foodways and Feasts: from Village to Town
9:30  Xinyi Liu—Cooking, Cuisine, and Class: The Ritualistic Aspect of Eurasian Foodways
9:45  Yahui He—Agriculture, Alcohol, and Urban Economies in Late Neolithic North China: A Case Study from the Shimao Site
10:00  Steven Ammerman—Wild Animals in Cities: A View from South Asia’s Early Historic Period Using a Zooarchaeological and Textual Approach
10:15  Teresa Hsu and Nawa Sugiyama—Playing with Your Food to Feed the Masses: A Zooarchaeological Perspective at Teotihuacan, Mexico
10:30  Maria Codlin—Hunting and Husbandry at the Ancient Mexican City, Teotihuacan
10:45  Carlos Varela—Casting the Net: Evidence of Fishing and Fish Farming in Palenque, Chiapas, Mexico
11:00  Monica L. Smith—Discussant

[99] SYMPOSIUM: CONSTRUCTING CHRONOLOGIES I: STRATIFICATION AND CORRELATION
Room: Continental Ballroom 5
Time: 8:00 a.m.—11:30 a.m.
Chairs: Thomas Dye, Caitlin Buck and Keith May
Participants:
8:00  Keith May—Space-Time in the Matrix and the Uses of Allen Temporal Operators for Stratigraphic Analysis
8:15  Adam Rabinowitz—Temporal Reasoning and Visualization across Periodized Archaeological Datasets: The Potential of the PeriodO Gazetteer
8:30 Bryony Moody, Caitlin Buck, Tom Dye, Keith May and Gianna Ayala—Automation of Bayesian Chronology Construction Using a Graph Theoretic Approach
8:45 Seren Griffiths, Ben Edwards, Tom Higham and Julian Thomas—Events, Narrative, and Data: Why New Chronologies, Big Data, and New Materiality Should Change How We Write Archaeology
9:00 Thomas Dye, Caitlin Buck and Robert DiNapoli—Reasoning between the Lines: The Chronology of Phyletic Seriation
9:15 Philippe Lanos and Philippe Dufresne—A New Bayesian Approach for Estimating Chronological Events and Phases with ChronoModel
9:30 William Banks and Philippe Lanos—An Application of Hierarchical Bayesian Modeling to Upper Paleolithic Archaeological Cultures in France between 32 and 21 cal ka BP
9:45 Dusan Boric and Paul Duffy—Chronological Perspectives on the Spread of Agriculture in Southeastern Europe
10:00 Takeshi Inomata—Poor Preservation in Complex Urban Settings: Chronology-Building in the Maya Area
10:15 James Vint—Stratigraphy and Chronology at Las Capas, an Early Agricultural Period Site in the Tucson Basin
10:30 Nicholas Kessler, Greg Hodgins, Matthew Guebard and Lucas Hoedl—Wiggle-Match Dating at the Montezuma Castle Cliff Dwelling
10:45 Anthony Krus, Edward Herrmann, Christina Friberg, Dru McGill and Jeremy Wilson—The Timing of the Angel Polity: A Regional History from Site-Scale Chronology
11:00 Robert DiNapoli, Carl P. Lipo, Timothy De Smet and Diana Greenlee—Refining the Chronology of Earthwork Construction in the Lower Mississippi Valley Archaic Period
11:15 Barry Rolett—From Dune Stratigraphy to a Model-Based Cultural Sequence for the Marquesas Islands of East Polynesia

[100] GENERAL SESSION: ARCHAEOLOGY, MATERIAL ANALYSIS, AND MITOGENOME ANALYSIS: RESULTS FROM AROUND THE GLOBE
Room: Golden Gate 1 & 2
Time: 8:00 a.m.–11:15 a.m.
Chair: Daniel Perez

Participants:
8:00 Jay Silverstein, Robert Littman and AbdelRahman Medhat—Uncommon Scents: The Greco-Roman Fragrance Industry at Thmuis, Tell Timai, Egypt
8:15 Mikael Fauvelle—Obsidian Exchange and Political Change: Shifting Patterns of Obsidian Use Across the Late Classic and Postclassic at Fracción Mujular
8:30 Caitlin Davis—Formative Ceramic and Obsidian Transitions at Salinas La Blanca
8:45 Maria Mercedes Martinez Milantchi, Alice Samson, Jago Cooper, Michael Charlton and Carlos Pérez—A Material Science Consideration of New World Encounters: Multi-method Approaches to the Archaeology of the Caribbean
9:00 Daniel Perez and Karen Harry—Virgin Branch Puebloan Adaptations on the Colorado Plateau: Recent Excavations at Granary House (AZ A:14:46)
9:15 Corinne Watts—Determining the Biographies of the Indonesian Standing Stones at Harvest Preserve, Iowa City, Iowa
9:30 Carlton Gover, Douglas Bamforth and Kristen Carlson—Bayesian Analysis of the Chronology of the Lynch Site (25BD1) and Comparisons to the Central Plains Tradition and Central Plains Oneota
9:45 John Samuelsen—An Isotopic Assessment of Late Prehistoric Interregional Warfare in the Southcentral US
10:00 Jennifer Green and Anneke Janzen—Collagen Peptide Fingerprinting (ZooMS) of Archaeological Worked Bone from Southern Florida
10:15 Gustavo Neme, Lissa Nagaoka, Adolfo Gil and Eva Peralta—Spatial Pattern of δ¹⁸O Water Isotope in the Argentinian Central West: Their Potential to Model Human Mobility at Archaeological Scale
10:30 Robert Lassen, Brittany S. McClain and Tomothy Griffith—Excavations at the Crane Dune Site (41CR61), a Prehistoric Habitation, Burial, and Lithic Cache Site in Crane County, Texas
10:45 Kaitlin Ahern—An Analysis of Lime Plaster Floor Samples from the Holmul Region, Guatemala
11:00 Stanley Ambrose and Andrew Zipkin—Implications of Ostrich Eggshell Diagenesis Experiments and Observations for Isoscape Analyses

[101] Symposia: Advances in Global Submerged Paleolandscapes Research
(Sponsored by Island and Coastal Archaeology)
Room: Continental Ballroom 6
Time: 8:15 a.m.–11:30 a.m.
Chairs: Amy Gusick and Amanda Evans
Participants:
8:15 John O’Shea—Necessity, Not Novelty: Archaeology on Submerged Landscapes
8:30 Jessi Halligan—Where Is the Waterline? Integrating Terrestrial and Underwater Investigations in the Aucilla River, Florida
8:45 Ashley Lemke—Submerged Prehistoric Archaeology on the Atlantic Continental Shelf
9:00 Martin Segschneider, Hauke Jöns, Moritz Mennenga and Jonas Enzmann—The SPLASHCOS Viewer: The First Online Atlas of Submerged Prehistoric Sites in Maritime Europe and the Mesolithic Site of Strande, Kiel Bay
9:15 Dominique Rissolo—An Overview and Synthesis of Paleocoastal Research on the Yucatan Peninsula
9:30 Neil Puckett—The Walker Lake Landscape: Combining Geophysical Studies to Clarify Regional Change and the Archaeological Record
9:45 Isabel Cartajena, Diego Carabias, Renato Simonetti, Valentina Flores-Aqueeveque and Cristina Ortega—New Insights into a Late Pleistocene Submerged Landscape on the Pacific Coast of South America
10:00 Martin Segschneider, Hauke Jöns, Moritz Mennenga and Jonas Enzmann—The SPLASHCOS Viewer: The First Online Atlas of Submerged Prehistoric Sites in Maritime Europe and the Mesolithic Site of Strande, Kiel Bay
10:15 Dominique Rissolo—An Overview and Synthesis of Paleocoastal Research on the Yucatan Peninsula
10:30 Jessica Cook Hale—A Tale Told . . . Signifying Nothing
10:45 E. James Dixon and Loren G. Davis—The Rose Room Workshop
11:00 Louise Tizzard and Claire Mellett—Across and beyond Site Boundaries: Maximizing the Legacy of Submerged Landscape Assessments
11:15 Michael Faught—Discussant

[102] Symposia: Cabinets of Curiosities: Collections and Conservation in Archaeological Research
Room: Union Square 1
Time: 8:30 a.m.–9:15 a.m.
Chair: Mariana Lujan Sanders
Participants:
8:30 Abigail Judkins—On the Edge of the Colonial Sphere: The Effects of Indirect Interaction on Subsistence Strategies in Northern Alaska
8:45 Lenore Thompson—Museums Are Repositories of Knowledge: Using Museum Collections to Recontextualize Cultural Contact and Colonial Entanglements in the Pacific Northwest
9:00 Joshua Vallejos—Degrees of Change: The Transition from Paleoindian to Archaic
[103] **GENERAL SESSION GIS, REMOTE SENSING, AND COMPUTER MODELING IN ARCHAEOLOGY**

**Room:** Plaza Room  
**Time:** 8:30 a.m.–10:15 a.m.  
**Chair:** Lori Stephens Reed

**Participants:**

8:30 Ariel Texis Muñoz, Tanya Catignani, Nawa Sugiyama and Saburo Sugiyama—Mapping Teotihuacan’s Inception: Patlachique Phase Ceramics Distribution on the Lidar Map

8:45 Lori Stephens Reed, Aron Adams and Jeffery Wharton—A Closer Look at the Big Picture: Great House Community Dynamics at Aztec Ruins National Monument, Northwest New Mexico

9:00 Hsi-Wen Chen—Land Use in Neolithic Northeast China

9:15 Emily Coco and Radu Iovita—Time-Dependent Taphonomic Site Loss Leads to Spatial Averaging: Implications for Archaeological Cultures

9:30 Matthew Bandy and David Reinhart—Automated Identification of Archaeological Features in a Regional Lidar Dataset from Southeastern New Mexico


10:00 Gerardo Aldana, Marcus Thomson, Thomas Thelen and Toni Gonzalez—SeibalSim: Toward Modeling Communities (Not Populations) of Early Formative Mesoamerica

[104] **SYMPOSIUM TEOTIHUACAN: MULTIDISCIPLINARY RESEARCH ON MESOAMERICA’S CLASSIC METROPOLIS**

**Room:** Union Square 3  
**Time:** 8:30 a.m.–11:45 a.m.  
**Chairs:** Katherine McCarthy and Catherine Nuckols-Wilde

**Participants:**

8:30 Katherine McCarthy—The Multiplicity of Murals: Translating Landscapes at Teotihuacan

8:45 Andrés Mejía Ramón, Nadia Johnson and Christian John—Reading Power from Above: Subsistence, Monumentality, and Water Ritual in Ancient Teotihuacan

9:00 Leah Moyes—Diamonds in the Rough: What Do the Sculpture Fragments Discovered in the Teotihuacan Mapping Project/Ground Stone Collection Tell Us about the Social Organization of the City?

9:15 Jesper Nielsen and Christophe Helmke—Years to Remember: Another Look at Teotihuacan’s Calendrical Signs

9:30 Anne Sherfield—Differential Access and Socioeconomic Inequality at Teotihuacan

9:45 Dean Blumenfeld, Rudolf Cesaretti, Angela Huster and Michael Smith—Intra-urban Density and Spatial Variation at Ancient Teotihuacan

10:00 Alessandra Pecci, Agustin Ortiz, Luis Barba and Natalia Moragas—First Results of the Archaeological Prospection at the N2E1 and N2E2 Quadrants (Barrio del Río San Juan) at Teotihuacan

10:15 David Carballo, Daniela Hernández Sariñana, Maria Codlin, Alfredo Saucedo Zavala and Gloria Torres Rodríguez—Recent Research at the Neighborhood Center of Tlajinga, Teotihuacan

10:30 Daniela Hernández Sariñana—Domestic Life and Ceramic Consumption in Tlajinga, Teotihuacan

10:45 Stephanie Lozano—Foreign Influence on Teotihuacan’s Religion through an Iconographic Analysis


11:15 Catherine Nuckols-Wilde—A Return to Roots: The Maya—Teotihuacan Inscription at Copan’s Temple 26

11:30 Matthew Robb—Discussant
[105] **SYMPOSIUM: HEARTH AND HOME IN THE INDIGENOUS NORTHEAST**

**Room:** Continental Ballroom 2 & 3  
**Time:** 9:00 a.m.–11:30 a.m.  
**Chairs:** Donald Holly and Gabriel Hrynick

**Participants:**
9:00 Robert Goodby—Household Size and Organization at the Tenant Swamp Paleoindian Site  
9:15 Katherine Patton, M. Gabriel Hrynick and Arthur Anderson—Evaluating the Timing and Duration of Dwelling and Non-dwelling Elements in the Reversing Falls Site, a Middle Maritime Woodland Shell Midden in the Far Northeast  
9:30 Gabriel Hrynick—Building the Dawnland: Toward an Architectural History of Hunter-Gatherers on the Maritime Peninsula  
9:45 Christian Gates St-Pierre, Jean-Christophe Ouellet and Claude Chapdelaine—To Live in a Longhouse: A Case Study from Iroquoian Village Sites in Southern Quebec  
10:00 Steven Dorland—Where Were the Children Learning? A Spatial Analysis of Childhood Potting Practices in Fifteenth-Century Great Lakes Villages  
10:15 Joseph (Jay) Waller Jr.—Home Is Where the Hearth Is: Narragansett Indian Houses and Homes on the Eve of European Contact  
10:30 William Farley—Hearth, Home, and Colonialism: Cultural Entanglement at Calluna Hill, a 1630s Pequot War Household  
10:45 James Williamson—Beothuk Housepits in Virtual Environments  
11:00 Donald Holly, Christopher Wolff, James Williamson and Jessica Watson—Hearth and Home at Sabbath Point: A Beothuk Housepit on Red Indian Lake, Newfoundland  
11:15 Lisa Rankin and Peter Ramsden—Safe as Houses: Considerations of Domestic Arrangements and Power Structures

[106] **SYMPOSIUM: CHOLULA TO CHACOAPAN: CELEBRATING THE CAREER OF MICHAEL LIND**

**Room:** Golden Gate 8  
**Time:** 9:00 a.m.–11:30 a.m.  
**Chair:** Jeffrey Blomster

**Participants:**
9:00 Geoffrey McCafferty—Reinventing the Early Postclassic of Cholula: Results from the UA-1 Household Compounds  
9:15 Catalina Barrientos Pérez—Excavaciones en un barrio de Cholula  
9:30 Jessica Hedgepeth Balkin, Arthur Joyce and Marc Levine—Changes in Settlement, Resource Extraction, and Trade in the Lower Río Verde Valley, Oaxaca, Mexico, between the Late Classic and Late Postclassic Periods (CE 500–1522)  
9:45 Robert Markens and Cira Martínez López—Lambityeco Oaxaca and Domestic Organization during the Xoo Phase  
10:00 Jeffrey Blomster and Victor Salazar Chávez—The Work of Feline Bones and Feline Imagery at Early Horizon Etlatongo, Oaxaca, Mexico  
10:15 Cuauhtémoc Vidal-Guzmán—Where Text Meets Trowel: Using an Integrative Approach to Consider Internal Sociopolitical Dynamics at Postclassic Etlatongo  
10:30 Alexis Clark and Jeffrey Blomster—"International" Concepts: A Design Analysis of Yanhuitlan Red on Cream Ceramics from Postclassic Etlatongo  
10:45 Jamie Forde—Identifying Iglesia: Building on Lind’s Typology of Colonial Mixteca-Puebla Polychrome Ceramics  
11:00 Carlos Rincon Mautner—Discussant  
11:15 Sharisse McCafferty—Discussant

*Room:* Union Square 4  
*Time:* 9:00 a.m.–11:45 a.m.  
*Chair:* Arlen Chase

**Participants:**
9:00 Arlen Chase, Diane Chase and Adrian Chase—Population Estimation in Ancient Mesoamerica: Retrospective and Prospective
9:15 Scott Hutson—Ancient Demography in Northwest Yucatán, Mexico
9:30 Rodrigo Liendo—Ancient Population History in the Palenque Region: The Problem of the Selection of Population Proxies
9:45 M. Charlotte Arnauld, Eva Lemonnier and Julien Hiquet—Classic Maya Population Densities as Seen from Río Bec, Campeche, Mexico
10:00 Elyse Chase, Adrian Chase, Diane Chase and Arlen Chase—Population History for Caracol, Belize: Numbers, Complexity, and Urbanism
10:15 Marcello Canuto and Luke Auld-Thomas—Lidar as a Tool to Estimate Late Classic Population in the Central Maya Lowlands
10:30 Barbara Arroyo, Javier Estrada and Gloria Ajú—The Population of Kaminaljuyu, Guatemala during the Preclassic Period: New Considerations
10:45 Deborah Nichols, L.G. Gorenflo and Ian Robertson—Basin of Mexico: Prehispanic Population History
11:00 Christopher Pool and Michael Loughlin—Reconstructing Population Histories in the Gulf Lowlands: Review and Prospect
11:15 Michael Smith—Discussant
11:30 Jeremy Sabloff—Discussant

**[108] Symposium: Interactions across the North American Midcontinent**

*Room:* Yosemite

*Time:* 9:15 a.m.–11:00 a.m.

*Chairs:* Richard Edwards and Heather Walder

**Participants:**
9:15 Heather Walder, Marvin DeFoe and John Creese—Contextualizing Mid–Late Archaic Period Copper Complex Sites of the Western Great Lakes
9:30 Susan Kooiman and Aaron Comstock—Environmental, Social, and Culinary Relationships in the Northern Great Lakes
9:45 Edward Fleming—Woodland and Late Precontact Interaction along the Saint Croix River Corridor in Minnesota and Wisconsin
10:00 Ronald Schirmer—Beyond the Big Valley: Expanding the Temporal, Spatial, and Cultural Context of Red Wing’s Silvermale Phase
10:15 Richard Edwards and Robert Jeske—Social Relationships and Connections from the Mississippi Valley to the Great Lakes during the Eleventh to Fifteenth Centuries
10:30 Alison Hadley—Shifting Contexts on the Economy of Pipestone
10:45 Autumn Painter, Jeffrey Painter, Jodie O’Gorman and Terrance Martin—Surviving or Thriving? Reassessing Social Interaction and Warfare Related Food Insecurity at Morton Village

**[109] Forum: Community-Engaged Methods in Bioarchaeological Research: Recent Advances and New Directions**

*Room:* Continental Ballroom 7-9

*Time:* 10:30 a.m.–12:30 p.m.

*Moderator:* Claire Maass

**Participants:**
Sympoasis: Communities of Practice in the Ancient Andes: Thinking through Knowledge Transmission and Community Making in and Beyond Craft Production
Room: Union Square 2
Time: 9:30 a.m.–11:30 a.m.
Chairs: Sarah Baitzel and Alicia Boswell

Participants:
9:30 Tamara Bray—(Cross-)Boundary Objects as Imperial Agents: Imagined Communities in the Late Pre Columbian Andes
9:45 Jerry Moore—Communities of Practice and Ancient Andean Houses
10:00 Alicia Boswell—Communities of Practice of Metal Craftspeople on the North Coast of Peru, First Millennium CE
10:15 Nicola Sharratt—Crafting Continuity, Crafting Change: A Compositional Approach to Communities of Practice in the Moquegua Valley, Peru
10:30 Karla Gaspar, Juan C. Chavez and Sara K. Becker—Practicing Communities and Experimental Bioarchaeology: A Look at the Tiwanaku (AD 500–1100) and Their Descendant Communities in Bolivia
10:45 Sarah Baitzel—How to Make a Proper Bundle: Ritual Knowledge Transfer and Mortuary Communities of Practice in the Tiwanaku Diaspora
11:00 Cathy Costin—Discussant
11:15 Andrew Roddick—Discussant

Sympoasis: Sculpture of the Ancient Mexican Gulf Coast, Part 1
Room: Continental Ballroom 4
Time: 9:30 a.m.–11:45 a.m.
Chair: Cherra Wyllie

Participants:
9:30 Hirokazu Kotegawa—Esculturas monumentales como herramientas políticas en la sociedad olmeca: Una perspectiva desde el sitio Estero Rabón
9:45 Henri Bernard and Sara Ladron de Guevara—Stone Figurines of the Middle Formative in Mesoamerica
10:00 Katie McElfresh Buford and Billie Follensbee—Finding the Right Niche: Altar, Throne, Stela, Sarcophagus? Overlap and Ambiguity in Olmec Large Stone Sculpture
10:30 Jillian Mollenhauer—Out of Olmec: Continuity and Disjunction in Veracruz Stone Sculpture
10:45 Kim Richter—The “Tamtoc Venus”: An Early Huastec Sculpture and Its Connections to Gulf Coast Sculptural Traditions
11:00 Alberto Ortiz Brito—The Meanings and Uses of the Past in the Present: A Case Study of the San Martín Pajapan Monument
11:15 Julia Guernsey—Discussant
11:30 Richard Diehl—Discussant
[112] **Electronic Symposium: The Iron Age of Northwest Portugal: Leftovers of Behavior**

**Room:** Imperial Ballroom  
**Time:** 9:45 a.m.–11:45 a.m.  
**Chair:** Mariah Wade

**Participants:**
Pedro Brochado De Almeida—Cividade de Bagunte: Learning Behaviors from Reconstruction and Excavation  
John Duncan Hurt—Social and Behavioral Implications of Architecture at the Cividade de Bagunte  
Ruth Van Dyke—Materiality and Memory in Northwest Iberia: Water, Metal, and Stone  
Ana Almeida—The Lure of the Sea: Objects and Behaviors  
Jordan Bowers—Understanding Textile Production at Cividade de Bagunte  
Nadya Prociuk—Silver against Skin: Exploring the Materiality of the Cividade de Bagunte Torques  
Mariah Wade—Glass: Breathing into Matter

[113] **Symposium: Collaborative and Community Archaeology**

**Room:** Golden Gate 6  
**Time:** 10:00 a.m.–11:45 a.m.  
**Chair:** Kevin Nolan

**Participants:**
10:00 Kevin Nolan and Charles Bello—Collaborative and Community Archaeology: Introduction and Some Case Studies  
10:15 Jeffrey White—Digging for Community Engagement  
10:30 Katherine Seeber—Development and Praxis of Community-Based Archaeology at Historic Mitchelville Freedom Park  
10:45 Brice Obermeyer and Susan Bachor—Collaborative Survey of Delaware Cultural Sites in Northeastern Oklahoma  
11:00 Kelsey Hanson, Steve Baumann, Todd Scissons, Octavius Seowtewa and T. J. Ferguson—Reinvigorating the National Register: Toward Multivocality in the Production of National Histories  
11:15 Christine Thompson, Nancy Knapke, Brice Obermeyer, Diane Hunter and Nekole Alligood—Engaging Communities through Conflict: A Case Study in the Development of Truly Engaged Scholarship in Two Communities  
11:30 Matthew Sanger—Discussant

[114] **Forum: The Future of Archaeological Repositories?**  
*(Sponsored by the Curation Interest Group)*

**Room:** Union Square 1  
**Time:** 10:00 a.m.–12:00 p.m.  
**Moderators:** S. Terry Childs and Danielle Benden

**Participants:**
S. Terry Childs—Discussant  
Danielle Benden—Discussant  
Angela Neller—Discussant  
Tamira Brennan—Discussant  
Gwenn Gallenstein—Discussant  
Amanda D. Thompson—Discussant  
Tim Riley—Discussant  
Julia King—Discussant
[115] Symposium: Navigating Imperialism: Negotiated Communities and Landscapes of the Inka Provinces  
Room: Golden Gate 5  
Time: 10:15 a.m.–11:45 a.m.  
Chair: Lynn Kim  
Participants:  
10:15 Adam Birge—Movement, the Sacred, and Appropriations: Inka-Carangas Interactions in Sajama, Bolivia  
10:30 Lynn Kim—The Negotiated Yunga-Inka Landscape of the Camata-Carijana Valley  
10:45 Kodiak Aracena—Merqueitalaque: Un ejemplo de resistencia e interdependencia local a la llegada Inka  
11:00 Jessica Christie—Walled Rock Wak’as on Inka Royal Estates in the Heartland  
11:15 Matthew Warren—Provisioning an Embattled Frontier: The Role of the Inka Settlement of Pulquina Arriba within an Imperial Defensive Network in the Southeastern Bolivian Andes  
11:30 Sonia Alconini—Discussant

Room: Golden Gate 3  
Time: 11:00 a.m.–12:00 p.m.  
Chairs: Paula Ugalde and Virginia McRostie  
Participants:  
11:00 Paula Ugalde, Virginia McRostie, Eugenia Gayo, Claudio Latorre and Calogero Santoro—Sociocultural Trends and Innovations along 13,000 Years of Plant Use in the Atacama Desert, Chile  
11:15 Carolina Belmar—Plants and Steppe Hunter-Gatherers in Central Patagonia: A Case Study from the Aisén region (45° S, Chile)  
11:30 Camila Alday—Bast Fiber Technology in the West Coast of South America: A Study of the Early Coastal Hunter-Gatherer's Fiber Production  
11:45 Jennifer Haas—Woodland Tradition Plant Use and Foodways in the Western Great Lakes: A View from Southeastern Wisconsin

[117] Symposium: Approaches to the Archaeology of Health: Sewers, Snakebites, and Skeletons  
Room: Plaza Room  
Time: 11:00 a.m.–12:00 p.m.  
Chair: Taylor Zaneri  
Participants:  
11:00 Brendan Weaver, Lizette Muñoz and Karen Durand—From Slavery to Servitude: Approaching Hacienda Worker Health through Transformations in Labor and Foodways in Nineteenth-Century South Coastal Peru  
11:15 Joshua Schnell—Ancient Maya Dentistry: New Evidence for Therapeutic Dental Interventions and Dental Care Practices  
11:30 Taylor Zaneri—Enacting Health in the Medieval City: A Geospatial Analysis of Waste and Water in Bologna  
11:45 Rita Wright—Discussant

[118] General Session: Death and Social Practice in the New World  
Room: Golden Gate 4  
Time: 11:15 a.m.–12:00 p.m.  
Chair: Santiago Juarez  
Participants:
11:15  L. Antonio Curet—Death, Remembrance, and Cultural Change at the Ceremonial Center of Tibes, Puerto Rico
11:30  Sheldon Skaggs, Adam King, Christina Luke, George Micheletti and Terry Powis—Place-Making, Erasure, and the Death of Kingship at the Ancient Maya Site of Pacbitun, Belize
11:45  Santiago Juarez—Cosmology at Home: Ritual Caching within the Residences of Late Preclassic Noh K’uh, Chiapas Mexico

Friday Afternoon ■ April 16, 2021

[119]  SYMPOSIUM: THE ARCHAEOLOGY OF TRADE AND EXCHANGE
Room: Golden Gate 4
Time: 1:00 p.m.—2:30 p.m.
Chair: Jessica Yann

Participants:
1:00  Linda Wheelbarger—Chacoan Trade, Interaction, and Influence at Point Pueblo in the Middle San Juan Region of Northwestern New Mexico
1:15  Jaron Davidson—Long-Distance Interaction in Viejo Period Casas Grandes
1:30  Lucha Martínez De Luna and Juan Ignacio Macias Quintero—O’na Tok: A Preclassic Zoque Center in Western Chiapas, Mexico
1:45  Jou-chun Lu—The Different Consuming Strategies between Political Center and Port City: A Case Study of the Distribution of Yue Celadon Types in Eighth- to Eleventh-Century Japan
2:00  Alireza Khounani—Trade as a Social Activity: Eastern Sigillata and Its Near Eastern Emulation
2:15  Jessica Yann—Resource Dependency Theory: A New Approach for Examining Trade Relationships

[120]  GENERAL SESSION: EMERGING RESEARCH ON BUILT ENVIRONMENTS AND SOCIAL DYNAMICS IN MESOAMERICA
Room: Continental Ballroom 7-9
Time: 1:00 p.m.—2:30 p.m.
Chair: Terry Powis

Participants:
1:00  Terry Powis, George Micheletti, Matthew Tarleton, Gary Owenby and Nicaela Cartagena—Identifying the First Public and Domestic Constructions at Pacbitun, Belize
1:15  Timothy Beach, Leila Donn, Cody Shank, Takeshi Inomata and Thomas Garrison—Machine Learning Applications with Lidar to Predict Locations of Natural and Cultural Features in the Maya Lowlands
1:30  Justine Shaw and Thania Ibarra Narvaez—Everyday Life During the Late Terminal Classic in the Cochuah Region
1:45  Virginia Arieta Baizabal and José Ignacio Hernández Juan—Entre tres ríos y dos capitales: La región de Capoacan y el sitio olmeca de Antonio Plaza, Veracruz
2:00  Ana Luisa Izquierdo and Virginia Arieta—Nueva hipótesis en torno a la organización política olmeca de San Lorenzo
2:15  Julio Amador and Ofelia Márquez Huitzil—The Chalcatzingo Reliefs Seen from a Critical Perspective

[121]  SYMPOSIUM: ART STYLE AS A COMMUNICATIVE TOOL IN ARCHAEOLOGICAL RESEARCH
Room: Golden Gate 5
Time: 1:00 p.m.—2:45 p.m.
Chairs: Jesse Nowak, Frank Reilly and Adam King

Participants:
1:00  John Stauffer—The Disintegration of Style and Memory: Mound 3 Assemblages at Lake Jackson
1:15  Bobi Deere and Jesse Nowak—Heavens on Earth: Cave Imagery and the Legacies of Mississippian Ceremonialism
1:30  Frank Reilly—From Cave Mouth to Temple Door
1:45  Julie Zimmermann—Storytelling in the Creation of Cahokia, a Native American Theater State
2:00  James Brown—A Brief History of Mississippian Period Art Styles in the American Southeast
2:15  Adam King—Pipes, Pots, and Portals: The Imagery of Middle Mississippian Pipes from Etowah
2:30  James Brown—Discussant

[122]  **GENERAL SESSION ■ TOPICS IN ANDEAN ARCHAEOLOGY**
**Room:** Golden Gate 7  
**Time:** 1:00 p.m.—2:45 p.m.
**Chair:** Brendon Murray

**Participants:**
1:00  Brendon Murray and Terence D’Altroy—A View from the Virú: Place and Sight in the Virú Valley Project Reconsidered
1:15  Kayeleigh Sharp—Northern Gallinazo: A Transformational View from the Lambayeque Region, Peru
1:30  Augusto Bazán Pérez, Jose Alva, Erick Acero, Mary Avila and Carlos Zapata—Nuevos datos sobre Moche Temprano y Tardío en Huaca Cao Viejo, Complejo Arqueológico El Brujo, valle de Chicama, Perú
1:45  Rachel Schloss—A Comparative Study of Adobe Brickwork at Huaca Colorada and Tecapa
2:00  Jessica Smeeks and Rebecca Spring—Enemies and Allies: GIS Analyses of Late Intermediate Period Defensibility and Settlement Patterns in the Huamanga Province of Peru
2:15  Manuel Calongos Curotto—The Inca Administration of the Middle Cañete Valley, Peru
2:30  Sylvie Littledale and Zach Chase—The Landscapes of Huarochirí (Peru) in Written Historical and Oral Traditions

[123]  **FORUM ■ WE, THE VOYAGERS: OUR VAKA AND OUR MOANA, CONSIDERING A FILM SERIES BY TAUMAKO VOYAGERS**  
*(Sponsored by Pacific Traditions Society)*
**Room:** Plaza Room  
**Time:** 1:00 p.m.—5:00 p.m.
**Moderators:** Marianne George and Heuionalani Wyeth

**Participants:**
Marianne George—Discussant
Heuionalani Wyeth—Discussant
Jaime Bach—Discussant
Darienne Dey—Discussant
M. Elena Clariza—Discussant
Tyler Warwick—Discussant
Simon Penny—Discussant

[124]  **SYMPOSIUM ■ SCULPTURE OF THE ANCIENT MEXICAN GULF COAST, PART 2**
**Room:** Continental Ballroom 4  
**Time:** 1:00 p.m.—3:00 p.m.
**Chair:** Kim Richter

**Participants:**
1:00  Yamile Lira-Lopez—La Piedra del Gigante de Orizaba y el Monolito de Maltrata: Estudios iconográficos y su protección como patrimonio arqueológico
1:15  Cherra Wyllie—Cerro de las Mesas Monument 2
1:30  Rex Koontz—Classic Veracruz Sculptures and Bodies in Fragments
1:45 Marcie Venter and Lacy Risner—Situating a Cached Ballgame Yoke from Matacanela, Veracruz
2:00 Arturo Pascual Soto—El Tajín en tiempos de 13 Conejo: Expresiones de un nuevo estatuto simbólico (ca. 800-1100 dC)
2:15 Annick J. E. Daneels—Flayer and Flayed Figures in Central Veracruz, Mexico: Is It Xipe?
2:30 Yuko Shiratori and Ángel González López—The Female Terracotta Sculpture at the North Carolina Museum of Art: Pastiche or Fake?
2:45 Barbara Stark—Discussant

[125] **Symposium: Materializing Political Ecology: Landscape, Power, and Inequality**
*Room:* Golden Gate 6
*Time:* 1:00 p.m.–3:00 p.m.
*Chairs:* Kacey Grauer and Sarah Breiter

**Participants:**
1:00 Melissa Baltus—Mediating Powers, Negotiating Inequalities: Ecological Politics at Cahokia
1:15 Sarah Breiter—The Landscape Materialized in Late Medieval Houses
1:30 Jennifer Bates, Adam Green, Cameron Petrie, Ravindra Nath Singh and Francesc Conesa—Many Communities, Many Foods: The Economic and Political Implications of Diversified Cropping Strategies before, during, and after Urbanism in Northwest India ca. 3200–1500 BC
1:45 Kathryn Catlin—Political Ecology Materialized in a Medieval Icelandic Landscape
2:00 Dilpreet Basanti—Materializing Aksumite: Power Plays through Natural Landscape in the Northern Stelae Field (AD 100–400)
2:15 Ryan Lash—Cult and Cultivation: Vulnerability and Resilience on Inishark Island, Co. Galway, Ireland in the Nineteenth Century
2:30 Kacey Grauer—Politicizing Post-Humanism: Elite and Commoner Household Excavations at the Ancient Maya City of Aventura, Belize
2:45 Steve Kosiba—Discussant

[126] **Symposium: Archaeology in Mozambique: Current Issues and Topics in Archaeology and Heritage Management**
*Room:* Union Square 4
*Time:* 1:00 p.m.–3:30 p.m.
*Chairs:* Diogo Oliveira and Décio Muianga

**Participants:**
1:00 Décio Muianga, Enio Tembe and Sheila Machava—One Hundred Years of Mozambican Archaeology: Past, Present, Future, and Challenges
1:15 Nuno Bicho, Jonathan Haws, João Cascalheira, Célia Gonçalves and Mussa Raja—Stone Age Archaeology in the Elephant River Valley, Southwestern Mozambique
1:30 Sabrina Stempfle, Jörg Linstädter, Decio Muianga, Martina Seifert and Nikola Babucic—Bantu Arrival in Southern Mozambique: Ceramic Analysis as a Source of Information for Dating, Diversity, Technology Transfer, and Nutrition
1:45 Anneli Ekblom and Michel Notelid—Archaeology, Local History, and Heritage in Limpopo National Park
2:00 Jörg Linstädter, Nikola Babucic, Sabrina Stempfle and Martina Seifert—Tracing Early Farming Communities in Southern Mozambique by Geophysical Prospection: Current State of Activities, Part 1
2:30 Diogo Oliveira—Cabaceira Pequena Archaeological Site: Initial Data and Interpretations
2:45 Sofia Fonseca, Jorg Lindstadter, Decio Muianga and Joao Cascalheira—Online Education on African Archaeology and Heritage: The ONLAAH Platform
3:00 Martina Seifert—Discussant
3:15 Stephanie Wynne-Jones—Discussant

[127] SYMPOSIUM PALEO LITHICS TO LEGACY MANAGEMENT: RUTHANN KNUDSON—INAWA’SIOSKITSIPAKI
Room: Imperial Ballroom
Time: 1:00 p.m.—4:00 p.m.
Chairs: Marcel Kornfeld and Mary Lou Larson

Participants:
1:00 Marcel Kornfeld and Mary Lou Larson—Ruthann Knudson: Colleague, Friend, Mentor, and Much More
1:15 Ann Johnson—New Interpretations of the Clovis Anzick Site, 50 Years after Its Discovery
1:30 Juliet Morrow—Arene Candide to Anzick: Ritual Use of Red Ochre
1:45 Stance Hurst and Eileen Johnson—Decoding Knudson’s Flintknappers: A 3D Model Analysis of the Plainview Bison Kill Projectile Points
2:00 Mary Lou Larson and Marcel Kornfeld—Hell Gap and Its Changing Roles
2:15 Elizabeth Lynch, Mary Lou Larson and Marcel Kornfeld—Engaging with the Hell Gap Digital Archives through the Lens of Ruthann Knudson's "The Early Expeditions"
2:30 John W. Ives—A Canadian Perspective on Later Paleoindian Technocomplexes and Emerging Genetic Data
2:45 Linea Sundstrom—Lame Bull Speaks: The Lukin Ledger and Pikuni Blackfoot History
3:00 Alice Kehoe—Ruthann, the Leader-Hearted Woman—inawa’sioskitsipaki
3:15 William Lipe—Ruthann’s Rivers: Archaeology and Archaeopolitics on the Middle Fork and Dolores Projects
3:30 Jeanne Moe—Ruthann Knudson: Legacy of Public Education and Outreach
3:45 Margaret Conkey—Discussant

[128] SYMPOSIUM FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF DEBRA L. MARTIN
(Sponsored by Fryxell Committee)
Room: Yosemite
Time: 1:00 p.m.—4:00 p.m.
Chair: Pamela Stone

Participants:
1:00 Pamela Stone—Skeletal Transcripts as Ancestral Voices, a Legacy of Interdisciplinary Work: Recognizing the Contributions of Dr. Debra L. Martin to American Archaeology and Beyond
1:15 Anna Osterholtz—The Body Poetic: Violence, Body Processing, and Identity Formation in the Past
1:30 Ryan Harrod—Why We Study Violent Behaviors in the Past: Dr. Debra Martin’s Contributions to Research on Systems of Socially Sanctioned Warfare and Systematic Exploitation
1:45 Kathryn Baustian—What’s Your Question? Theoretical Bioarchaeology in the American Southwest and Ancient Arabia
2:00 Cheryl Anderson—Contextualizing Conflict: Social Theory in the Bioarchaeology of Central Anatolia
2:15 Mark Toussaint—Queer Eye for the Dead Guy: The Influence of Debra Martin on a Bioarchaeological Investigation of Gender beyond the Binary
2:30 Claira Ralston, Debra Martin, Pamela K. Stone and Ventura Perez—Recovering "Los Antepasados": Bioarchaeology of a Historic Genizaro Community in Colonial New Mexico
2:45 Diana Simpson—Beyond the Brutality: Ritualized Violence in the Archaic Period Southeast
3:00 Ventura Pérez—A Four-Field View in an Increasingly Myopic World
3:30 Catherine Cameron—Hidden People in the Past: Honoring the Scholarship of Debra Martin
3:45 Debra Martin—Discussant
[129] **SYMPOSIUM: SCALING POTTING NETWORKS: RECENT CONTRIBUTIONS FROM CERAMIC PETROGRAPHY**

**Room**: Union Square 1  
**Time**: 1:00 p.m.–4:00 p.m.  
**Chair**: C. Trevor Duke

**Participants**:

1:00  
Andrew Womack—Ceramic Production at the Stone-Walled Citadel of Shimao: Initial Results of Petrographic Analysis

1:15  
Alicia Espinosa and Isabelle Druc—Retracing the Relations between Virú-Gallinazo Communities, Early Intermediate Period, Northern Coast of Peru: Recent Contributions from Ceramic Technology and Petrography

1:30  
José L. Peña and Robert H. Tykot—Understanding Pottery Production at El Campanario (Huarmey-Peru) through Ceramic Paste Analysis and pXRF

1:45  
Mauricio Uribe, Camila Riera-Soto and Petrus le Roux—Pottery Traditions in the Hyperarid Core of the Atacama Desert: Petrography and Geochemistry of Iluga Túmulos Ceramics (Tarapacá, Northern Chile)

2:00  
Karleen Ronsairo—Interpreting Long-Term Technological Change in Pottery Production during the Urban Transition in Ancient Oaxaca: Preliminary Findings of the Mixteca Alta Ceramic Study and Clay Survey 2020

2:15  
Andrea Torvinen and Matthew A. Peeples—A Monte Carlo Approach to Estimating Plausible Ceramic Similarity Values from Fabric Characterizations

2:30  
Anthony Farace—Establishing Mississippian Potting Communities at the Wickliffe Mounds Site, Kentucky

2:45  
Domenique Sorresso—Establishing Provenance and Population Movements of the Vacant Quarter Phenomenon through Ceramic Traditions

3:00  
C. Trevor Duke, Neill J. Wallis and Ann S. Cordell—Networks of Embodied Practice: Personhood, the Body, and Potting Skill in the North American Southeast

3:15  
Suzanne Eckert and Deborah Huntley—Petrographic Analysis of Ancestral Pueblo Glaze-Painted Pottery from the Southern Rio Grande Region (Río Abajo) in New Mexico, USA

3:30  
Guillermo De La Fuente and Sergio D. Vera—Pottery-Making Practices and Technological Choices during the Early Period (ca. 200 BC–AD 600) at the Southern Sector of Abaucán Valley (Dept. Tinogasta, Province of Catamarca, Argentina): A View from Ceramic Petrography

3:45  
Judith Habicht-Mauche—Discussant

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[130] **SYMPOSIUM: DEVELOPMENTS THROUGH TIME ON THE SOUTH COAST OF PERU: IN MEMORY OF PATRICK CARMICHAEL**

**Room**: Continental Ballroom 2 & 3  
**Time**: 1:00 p.m.–4:45 p.m.  
**Chairs**: Alicia Gorman and Jo Osborn

**Participants**:

1:00  
Jo Osborn, Camille Weinberg, Richard Espino and Kelita Perez Cubas—The Development of Economic Specialization among Prehispanic Fishermen: The case of Jahuay, Quebrada de Topará, Chincha

1:15  
Sarah Massey—Tajahuana: New Insights into a Familiar Paracas Site

1:30  
Ann Peters—Tracing Relationships over Time: Models of Exchange in the Greater Ica Region during the Paracas-Nasca Transition

1:45  
Christian Cancho Ruiz and Alicia Gorman—Nuevas evidencias desde Cerro Tortolita un sitio del Intermedio Temprano en la costa sur del Perú-Ica

2:00  
Alicia Gorman and Christian G. Cancho—(Re)constructing the Social Structure of Society at Cerro Tortolita through Its Ceramic Assemblage

2:15  
Francesca Fernandini—One Settlement, Many Communities . . .

2:30  
Adrián González Gómez De Agüero, Francesca Fernandini Parodi, Luis Ortega-San-Martin and Patricia Gonzales Gil—Green Epidote: Painting the Past in Cerro de Oro, a Chemical and Mineralogical Analysis of the Green-Yellowish Ceramic Pigment
2:45 Christina Conlee, Corina Kellner, Chester Walker and Aldo Noriega—Huaca del Loro: A Wari Colony in Coastal Nasca
3:00 Sarah Kerchusky—Symbolic Behavior in Household Archaeology: A Study of Late Nasca Period and Loro Period Figurines from Zorropata, Nasca, Peru
3:15 Sara Morisset, George Chauca and David Beresford-Jones—New Perspectives on the Ica Society: Tracing Changes in Material Culture in the Ica Valley on the Peruvian South Coast from the Middle Horizon to Early Colonial Period (ca. 1000–1600 CE)
3:30 Richard Espino Huaman, Jo Osborn, Camille Weinberg and Brittany Hundman—Caminos entre los valles de Chincha y Cañete: Un acercamiento hacia las conexiones de nuestros antepasados prehispánicos en el Perú
3:45 Jennifer Larios, Jacob Bongers, Jordan Dalton, Jo Osborn and Camille Weinberg—The Pottery of Chincha Revisited
4:00 Rodrigo Areche—Reconstructing the Political Dynamic of the Inka State in the Cañete Valley: A Perspective from the Site of Huacones–Vilcahuasi
4:15 Juliana Gómez, Jordan A Dalton, Colleen O’Shea and Noemi Oncebay—Death after Inka Expansion: Analyses of a Secondary Communal Burial at Las Huacas, Chincha Valley
4:30 Kevin Vaughn—Discussant

[131] SYMPOSIUM CONSTRUCTING CHRONOLOGIES II: THE BIG PICTURE WITH BAYES AND BEYOND
(Sponsored by the Society for Archaeological Sciences)
Room: Continental Ballroom 5
Time: 1:00 p.m.–5:00 p.m.
Chairs: Lori Barkwill Love and Anthony Krus
Participants:
1:00 Lorena Becerra-Valdivia and Tom Higham—A Chronometric Study of the Peopling of the Americas
1:15 Jennifer Birch and Sturt Manning—Radiocarbon Chronology-Building and Relational Histories in Iroquoian Archaeology
1:30 Brandon Ritchison and Matthew Davidson—Modeling Fort Ancient: Legacy Data and Pathways to Improving Chronology in Late Precolonal Kentucky
1:45 Carla Hadden and Margo Schwadron—Shell Works of the Ten Thousand Islands, Florida: A Preliminary Settlement Model
2:00 Erick Robinson and Judson Finley—Developing High-Precision Chronologies for Fremont Foraging-Farming Transitions in Western North America
2:15 Lori Barkwill Love—Modeling the Early History of Maize in the North American Southwest
2:30 Myles Miller—Examining Multiple Groups of Chronometric Data Using Multiple Methods: An Example from the Prehispanic US Southwest
2:45 Caitlin Buck and James Zeidler—Tephrostratigraphic Correlation and Ceramic Seriation in Bayesian Calibration: A Case Study from Coastal Ecuador
3:00 Jonathan Hanna, Matthew F. Napolitano, Robert J. DiNapoli, Jessica H. Stone and Scott M. Fitzpatrick—Modeling Demographic Change in the Precolumbian Caribbean
3:15 Magdalena Schmid and Fiona Petchey—Will Summing of Radiocarbon Dates Unlock Scales of Socio-environmental Transformations?
3:30 Timothy Rieth, Robert DiNapoli, Anthony Krus and Derek Hamilton—Multiscalar Island Colonization Estimates through Bayesian Calibration Models
3:45 Derek Hamilton—Is La Tène (Still) Relevant in British Iron Age Chronology?
4:00 Annapaola Passerini—Radiocarbon Challenges: Tightening the Chronology of the Kura-Araxes Culture in the South Caucasus
4:15 Sturt Manning—with Precision Comes Variability: Complications in High-Resolution \(^{14}\text{C}\) Chronology in the East Mediterranean-Middle East
4:30 Michael Price—End-to-End Bayesian Inference for Summarizing Sets of Radiocarbon Dates
4:45 Victor Thompson—Discussant
SYMPOSIUM ANIMAL BONES TO HUMAN BEHAVIOR
(Sponsored by Zooarchaeology Interest Group)
Room: Continental Ballroom 6
Time: 1:00 p.m.–5:00 p.m.
Chairs: Richard Redding and Abigail Fisher

Participants:
1:00 Amanda Burtt—Taboo to Chew: Cultural Influences on Dog-Feeding
1:15 Abigail Fisher and Lewanne French—Canine Dental Damage and Dental Pathology as Indicators of Changing Haulage Roles during the Transition to Agriculture
1:30 Pam Crabtree and Taylor Zaneri—Using Zooarchaeology to Explore the Origins of Medieval Urbanism: Evidence from Badia Pozzeveri near Lucca, Antwerp, and Ipswich
1:45 Victoria Moses—Sacrifice, Meat Consumption, and Bone Working at the Curiae Veteres: Zooarchaeological Findings from the Sixth- and Fifth-Century BCE Levels of the Palatine-Pendici Nord-Est Excavations in Rome, Italy
2:00 Erin Crowley-Champoux—Reconstructing Animal Economies of Early Ireland in Transition
2:15 Amy Nicodemus—Animal Economies and Emergent Complexity in the European Bronze Age
2:30 John Gorczyk—Caprines in the Cattle Zone: Reconciling Faunal Data at Two Scales during the Early Neolithic in the Sofia Basin, Bulgaria
2:45 Kara Larson—Meat on the Hoof: Isotopic Evidence of Administrative Herd Management at Khirbet Summeily, Israel
3:00 Richard Redding—The Animal Subsistence System of Old Kingdom of Egypt
3:15 Nicolas Delsol—Mesoamerican Cowboys: Exploring the History of Cattle Ranching in Colonial Mexico and Guatemala through Zooarchaeology
3:30 Alejandro Figueroa—The Archaeofaunal Dimension of Preclassic Human-Environment Dynamics in the Highlands of Southwestern Honduras
3:45 Jacob Warner and Aleksa Alaica—Contextualizing the Influence of Climate and Culture on Mollusk Collection: Donax obesulus Malacology from the Jequetepeque and Nepeña Valleys, Peru
4:00 Jonathan Dombrosky—Fish Body Size and Ancestral Pueblo Foraging Decisions in New Mexico, ca. AD 1350–1600
4:15 Martin Welker and Eréndira Quintana Morales—Meta-analysis of the North Atlantic Cod Fisheries: The Zooarchaeology of the Sixteenth- to Nineteenth-Century Transatlantic Cod Trade
4:30 Christine Mikeska—Understanding Patterns of Indigenous White-tailed Deer (Odocoileus virginianus) Exploitation in the North Carolina Piedmont Using Strontium (37Sr/86Sr) Isotope Analysis
4:45 Theo Kassebaum—Bones to Herds, and Back Again: An Investigation into Age-at-Death Models Used in the Analysis of Sheep (Ovis aries) and Goat (Capra hircus) Remains

SYMPOSIUM FINDING FIELDS: LOCATING AND INTERPRETING ANCIENT AGRICULTURAL LANDSCAPES
Room: Golden Gate 3
Time: 1:15 p.m.–3:45 p.m.
Chair: Madeleine McLeester

Participants:
1:15 Jesse Casana and Madeleine McLeester—The State of the Field: Emerging Approaches to the Archaeology of Agricultural Landscapes
1:30 Elise Jakoby Laugier and Jesse Casana—Agricultural Landscapes of the Mesopotamian-Zagros Borderlands
1:45 Mark McCoy, Jesse Casana and Thegn Ladefoged—Field Systems, Urbanism, and State Formation in the Hawaiian Islands
2:00 Madeleine McLeester and Jesse Casana—Locating Wisconsin's Past Indigenous Agricultural Landscapes Using Historical Aerial Photography
2:15 Kyle Woodson—Finding and Understanding Ancient Hohokam Irrigated Agricultural Fields in the Middle Gila River Valley, South-Central Arizona
2:30 BrieAnna Langlie, John Wilson and Jacob Frank—Finding Terraces in the Lake Titicaca Basin Peru
2:45 Mark Schurr and Madeleine McLeester—Isotopic Evidence for Protohistoric Field Locations in Northeastern Illinois
3:00 Jamie Countryman—Feral Fields of the Eastern Adriatic Coast
3:15 Anabel Ford—Intensification without Modification: Tropical Swidden and the Maya
3:30 Naomi Miller—Discussant

[134] SYMPOSIUM POSTCLASSIC MESOAMERICA: THE VIEW FROM THE SOUTHERN FRONTIER
Room: Franciscan A&B
Time: 1:15 p.m.—4:15 p.m.
Chair: Geoffrey McCafferty
Participants:
1:15 Karen Bruhns—The Maya, the Nahua, and Lower Central America
1:30 Paul Amaroli—Classic through Postclassic in El Salvador
1:45 Kathryn Sampeck—Nahua Diaspora and Cacao
2:00 Virginia Ochoa-Winemiller—Crafting and Trading along the Banks of the Telica: Artisan Communities and Regional Interaction in Eastern Honduras and Beyond
2:15 Julien Sion, Jennifer Arguijo, Divina Perla-Barrera, Ricardo Rodas and Antolín Velásquez—Reorganización socio-política entre lago y montañas: El sitio de Los Naranjos y la cuenca de Yojora durante el Postclásico Temprano
2:30 Marie Kolbenstetter—Situating Mobility: Local and Regional Connectivities in and beyond the Gulf of Fonseca (AD 800–1520)
2:45 Larry Steinbrenner—The Mixteca-Puebla International Style as a Mesoamerican Marker in Postclassic Greater Nicoya: A Reevaluation
3:00 Alexander Geurds and Natalia R. Donner—Long-Distance Interaction in Central Nicaragua: An Archaeological View on Local Practices and Globalizing Postclassic Trends
3:15 Sharisse McCafferty and Geoffrey McCafferty—The Mexican Pantheon in Postclassic Pacific Nicaragua
3:30 Francisco Corrales-Ulloa and Yajaira Núñez-Cortés—It Was Not Always the Frontier: Multicultural Interaction between Isthmo-Colombian and Mesoamerican Peoples in Central Costa Rica
3:45 John Hoopes, Geoffrey McCafferty and Sharisse McCafferty—Out of Mexico: An Archaeological Evaluation of the Migration Legends of Greater Nicoya
4:00 William Ringle—Discussant

[135] SYMPOSIUM PLANT EXUDATES AND OTHER BINDERS, ADHESIVES, AND COATINGS IN THE AMERICAS
Room: Golden Gate 1 & 2
Time: 1:30 p.m.—4:30 p.m.
Chairs: Christina Bisulca and Emily Kaplan
Participants:
1:45 Taylor Burnell and Mark Sutton—New Methods for the Identification of Prehistoric Resins in the Southwest and Great Basin, USA: Proof of Concept
2:00 Tim Riley and Katy Corneli—Animal, Vegetable, Mineral? the Characterization of “Resins” Binding Composite Artifacts from the Northern Colorado Plateau
2:15 Rocio Velasco Fuentes, Marisol Reyes Lezama, Mayra León Santiago and Everardo Tapia Mendoza—Uso de resinas en el Centro de Veracruz: El caso de los braseros y sahumadores de los sitios arqueológicos de Nopiloa y El Zapotal
2:30 Yuko Kita, Annick Daneels and Alfonso Romo de Vivar—Bitumen as Stabilizer in Earthen Architecture of the Mesoamerican Gulf Coast
2:45  David Lentz and Brian Lane—Exudates and Resins Used by the Maya as Potential Candidates for Natural Bioactive Adhesives, Gums, and Protective Coatings
3:00  Monica Katz, Emily Kaplan, Richard Newman and Maria Cecilia Alvarez-White—Unresolved Questions in the Study of Mopa Mopa: History, Geography, and Chemistry
3:15  Emily Kaplan, Richard Newman and Christopher Beekman—Characterization of the Binder Used for Late Intermediate Period Ica Painted Wooden Boards
3:30  Lisa DeLeonardis, Dawn Kriss, Ellen Howe, Judith Levinson and Adriana Rizzo—Blue on Clay: Indigo as a Colorant in Andean Post-Fired Ceramic Paints
3:45  Joshua Henkin—Interdisciplinary Collaboration and Capacity Building for Characterizing Plant Exudates: on Supporting the Resilience of Future Endeavors in Residue Analysis
4:00  Kristof Cank, Joshua M. Henkin, Anita G. Cook and Nicholas H. Oberlies—A Nondestructive Natural Residue Analysis of Wari Ceramics using the Droplet Probe
4:15  Davide Domenici—Discussant

[136]  **FORUM ▶ REGIONAL LEADERSHIP FORUM**

**Room:** Union Square 2

**Time:** 2:00 p.m.—4:00 p.m.

**Moderator:** Jaime Donta

**Participants:**
- Meagan Thies-Sauder—Discussant
- Janet Levy—Discussant
- Gregory Lattanzi—Discussant
- Jonathan Lothrop—Discussant
- Amanda Logan—Discussant
- Casey Campetti—Discussant

[137]  **SYMPOSIUM ▶ A CONSTRUIR PUENTES / BUILDING BRIDGES: DIÁLOGOS EN OAXACA ARCHAEOLOGY A TRAVÉS DE LAS FRONTERAS**

**Room:** Golden Gate 8

**Time:** 2:00 p.m.—4:00 p.m.

**Chairs:** Pedro Ramon Celis and Marijke Stoll

**Participants:**
2:00  Marijke Stoll and Hilary Leatham—Changing Paradigms in Oaxaca Archaeology: Examining the Past to Understand Our Future
2:15  Danny Zborover—Debating Oaxaca Historical Archaeology
2:30  Stacie King—Ancient Oaxaca beyond Zapotecs and Mixtecs
2:45  Guy Hepp—Revisiting the Early Oaxacan Village: New Perspectives on Some of Mesoamerica’s First Settled Communities
3:00  Lacey Carpenter—Daily Life Past and Present: The Role of Relationships and Strategies in Structural Change
3:15  Pedro Ramon Celis—Archaeology in the Southern Isthmus of Tehuantepec, Oaxaca: After a Century of Explorations, What Has Changed?
3:30  Nelly Robles García—Discussant
3:45  Sarah Barber—Discussant

[138]  **SYMPOSIUM ▶ ANCIENT MAYA EMBEDDED ECONOMIES**

*(Sponsored by Society for Economic Anthropology)*

**Room:** Franciscan C&D

**Time:** 2:00 p.m.—4:45 p.m.

**Chairs:** Rachel Horowitz and Bernadette Cap

**Participants:**
2:00  Bernadette Cap and Rachel Horwitz—Embedded Ancient Maya Economies
2:15    Diane Chase and Arlen Chase—Economy and Sociopolitical Change at Classic Period Carcol, Belize
2:30    John Blitz and Lisa LeCount—Grinding It Out: Ancient Maya Embedded Economies and Changing Ground Stone Densities in Households at Actuncan, Belize
2:45    Kitty Emery, Antonia Foias, Elizabeth Webb, Lisa Duffy and Sophie Reilly—Chocolate, Manioc, and Maize: Kante’t’u’ul and Chachaklu’um in Motul de San José’s Realm
3:00    Alexandre Tokovinine—Discussant
3:15    Elizabeth Paris, Roberto López Bravo and Gabriel Lalo Jacinto—Economic Integration across Political Boundaries in Highland Chiapas
3:30    Juan Melendez and Emiliano Melgar—Exploring the Economic Sphere of Prestige Items through the Lens of Ancient Maya Greenstone Mosaic Masks (300–750 CE)
3:45    Alejandra Roche Recinos, Andrew Scherer and Charles Golden—Stone Goods and the Organization of Late Classic Period Regional Economies of the Middle Usumacinta River Region
4:00    Michael Callaghan and Brigitte Kovacevich—The Maya Economy: Dual? Integrated? Embedded? or All of the Above?
4:15    David Chicoine—Discussant
4:30    Deborah Nichols—Discussant

[139]    SYMPOSIUM ■ PEOPLE AND SPACE: DEFINING COMMUNITIES AND NEIGHBORHOODS WITH SOCIAL NETWORK ANALYSIS
   Room:    Continental Ballroom 1
   Time:    2:15 p.m.—4:00 p.m.
   Chairs:  Adrian Chase and April Kamp-Whittaker
   Participants:
   2:15    Adrian Chase—Reconstructing and Testing Ancient Neighborhoods at Caracol, Belize
   2:30    Jessica Munson—Living on the Edge: Alternative Network Models for Socio-spatial Analysis in Archaeology
   2:45    Matt Peeples—Networks, Community Detection, and Critical Scales of Interaction in the US Southwest/Mexican Northwest
   3:00    April Kamp-Whittaker—Social Networks and Community Features: Identifying Neighborhoods in a World War II Japanese American Incarceration Center
   3:15    Neill Wallis and Thomas Pluckhahn—Understanding Multi-sited Woodland Communities of the American Southeast through Categorical Identities and Relational Connections
   3:30    Allison Smith and Elliot Blair—A Social Network Exploration of Models of Social Space and Community Organization at Moundville

[140]    FORUM ■ THE COLOSSAL ILOPANGO VOLCANIC ERUPTION IN EL SALVADOR AND THE MID-SIXTH-CENTURY WORLDWIDE CLIMATIC CRISIS
   Room:    Continental Ballroom 7-9
   Time:    3:00 p.m.—5:00 p.m.
   Moderators:    William Fowler and Payson Sheets
   Participants:
   Robert Dull—Discussant
   Joel Gunn—Discussant
   Jon Lohse—Discussant
   Timothy Beach—Discussant
   William Fowler—Discussant
[141] SYMPOSIUM THE PRECOLUMBIAN DOTTED-DIAMOND-GRID PATTERN: REFERENCES AND TECHNIQUES
Room: Union Square 3
Time: 3:30 p.m.–5:00 p.m.
Chairs: Billie Follensbee and Lois Martin

Participants:
3:30 Billie Follensbee—Diamonds in the Rough: Olmec and Olmec-Related Occurrences of the Rhombus Motif and Its Variations
3:45 Chantal Huckert—The Grid Patterns in the Vestments and Headdresses of Female Statuary from the Classic Period Cultures of Central Veracruz
4:00 Juliette Testard—“Serpent Skin” and “Diamond Grid” Motifs on Epiclassic and Postclassic Figurines Skirts
4:15 Lois Martin—Symmetries of Corn and Cloth in the Ancient Americas: Pattern Generation, Botany, and the Maize Matrix
4:30 Laura Wingfield—Jaguar Fur, Snake Skin, Woven Baskets, and the Milky Way: The Dot-Grid Pattern from Nicaragua to Ecuador
4:45 Laurie Webster—Snakeskin and Corn Markings: The Dotted-Diamond-Grid Pattern in the US Southwest

[142] GENERAL SESSION MULTIREGIONAL RESEARCH USING LITHIC ANALYSIS
Room: Golden Gate 7
Time: 3:30 p.m.–5:00 p.m.
Chair: Steven Rospopo

Participants:
3:30 Kelsey Sullivan, Kenichiro Tsukamoto and Jaime Awe—Craft Specialization in the Hinterland: Lithic Tool Production within Dispersed Urban Landscapes at El Palmar (Campeche, Mexico) and across the Maya Lowlands
3:45 Steven Rospopo and Linda Wheelbarger—Evaluation of Occupation History Using Comparative Lithic Analysis at the Point Pueblo LA 8619, San Juan County, New Mexico
4:00 Arturo De Lombera-Hermida, Geoffrey Clark, Xosé Pedro Rodríguez-Álvarez and Ramón Fábregas-Valcarce—Dealing with “Second-Rated” Raw Materials: The Management of Quartz and Quartzite by the Westernmost Cantabrian Upper Paleolithic Groups
4:15 Theresa Barket, Felicia De Peña and Ahmad Thaher—New Insights from a Reanalysis of the Flaked-Stone Assemblage from the Neolithic Site of Wadi Shu’eib, Jordan
4:30 Jeanne Binning—Bipolar Reduction Revisited
4:45 Susan Snow, Lynn Kim and Steve Davis—Beta Testing a New Gunflint Database Using Citizen Scientists in the Time of COVID

[143] GENERAL SESSION NEW AND ONGOING RESEARCH IN EAST ASIA
Room: Golden Gate 4
Time: 3:30 p.m.–5:00 p.m.
Chair: Pei-Lin Yu

Participants:
3:30 Yoko Nishimura—Energizing Museum “Diaspora” Collections for Archaeological Research: A Case Study from Jōmon-Period Japan
3:45 Luc Doyon, Zhanyang Li, Hui Fang and Francesco d’Errico—A Paleolithic Bird Figurine from the Lingjing Site, Henan, China
4:00 Pei-Lin Yu—Island Arrivals: The Ideal Free Distribution and Prey Choice Models in Neolithic Taiwan and Beyond
4:15 Koji Mizoguchi and Junko Uchida—The Renewal of Remembrance and Political Order: an Example from the Late Shang, China
4:30 Yuqi Xiao—The Making of Bronzes and Frontiers: An Archaeometallurgical Case Study of Bronze Finds in Southern Hunan, China, from 475 BCE–220 CE
4:45 Scott Lyons—Reconstructing Ironworking on the Fifth- and Sixth-Century Osaka Plain

[144] **GENERAL SESSION: ETHNOARCHAEOLOGY AND EXPERIMENTAL ARCHAEOLOGY**

**Room:** Golden Gate 5  
**Time:** 3:45 p.m.–4:30 p.m.

**Participants:**
- 3:45 Paul Roscoe—Social Substitutability and the Origins of War: An Alternative Theory
- 4:00 Joseph Wayman—LCT Movement due to Animal Locomotion: Model Experiments in a Trail Box
- 4:15 Kate Shantry—Enamel Rocks Resulting from Culturally Heating of Quartzite

[145] **GENERAL SESSION: LAND USES, INTERACTIONS, AND ICONOGRAPHY IN THE SOUTHWEST UNITED STATES**

**Room:** Golden Gate 6  
**Time:** 3:45 p.m.–5:00 p.m.

**Chair:** Mindy Bonine

**Participants:**
- 3:45 Mindy Bonine—Introduction to the Headwaters Site, New Braunfels, Texas
- 4:00 Gary Perez, Joe Tellez, Andew May, Janet Stock and Alfred Alaniz—Pictograph Iconography and Geologic Realities at 41V124 the White Shaman Mural
- 4:15 R. Scott Plumlee, M. Kyle Woodson, Craig Fertelmes, Chris Loendorf and Steven Forman—Mind the Gap: Absolute Dating of Middle Gila River Canals provides Evidence for 1,500 Years of Continuous Irrigation Agriculture in the Phoenix Basin
- 4:30 Christopher Caseldine—Political Water: Hohokam Irrigation and Sociopolitical Organization in Canal System 2, Lower Salt River Valley, Central Arizona
- 4:45 Robert Stokes and Joseph McConnell—A Mimbres Mogollon Sacred Landscape as Seen from an Early Classic Period Communal Structure at City of Rocks State Park, Southwestern New Mexico

Saturday Morning ■ April 17, 2021

[146] **SYMPOSIUM: DOCUMENTING DEMOGRAPHICS IN ARCHAEOLOGICAL PUBLICATIONS AND GRANTS**

**Room:** Golden Gate 5  
**Time:** 8:00 a.m.–9:30 a.m.

**Chairs:** Catherine Jalbert and Laura Heath-Stout

**Participants:**
- 8:00 Tiffany Fulkerson and Shannon Tushingham—Making the Data Count: Analyzing Inequities and Challenging Epistemic Injustice in Archaeological Discourse
- 8:15 Sarah Herr, Lynn Gamble, Julia Hendon, Calogero Santoro and Christina Rieth—Assessing Diversity in the Society for American Archaeology Journals
- 8:45 Samantha Stone and Samuel Burns—Voices in Conversation: Assessing 36 Years of Demographics in a Professional Archaeology Newsletter
- 9:00 Yichun Chen and Ben Marwick—Correlations between Gender and Research Topics at Three Major Archaeology Conferences
- 9:15 Catherine Jalbert and Laura Heath-Stout—A Study of Methods and Demographics in National Science Foundation Archaeology Grants, 2013–2020
[147] **SYMPOSIUM: TO MOVE FORWARD WE MUST LOOK BACK: THE SLAVE WRECKS PROJECT AT 10 YEARS**  
**Room:** Union Square 1  
**Time:** 8:00 a.m.–9:45 a.m.  
**Chair:** Meredith Hardy

**Participants:**

8:00  
Meredith Hardy—Engaging the Present by Uncovering the Past: Community Archaeology and the Legacy of Enslavement, Resistance, and Emancipation, St. Croix, US Virgin Islands

8:15  
Nicole Cannarozzi—The Zooarchaeology of the Christiansted National Historic Site St. Croix, USVI

8:30  
Michelle Gray and Meredith Hardy—African and Afro-Caribbean Cultural Identity, Vessel Function, and Inter-island Connectedness in Eighteenth- to Nineteenth-Century St. Croix, US Virgin Islands

8:45  
Stephen Lubkemann, Paul Gardullo, Jaco Boshoff, Yolanda Pinto Duarte and David Morgan—Toward a Transformative Maritime Archaeology of the Slave Trade: Reflections from the Slave Wrecks Project Research Programs in Mozambique and South Africa

9:00  
Jaco Boshoff—Archaeological Identification, Investigation, and Implications of the Portuguese Slaver São José Paquete de Africa

9:15  
Ricardo Duarte, Yolanda Duarte and Stephen Lubkemann—Mozambican Maritime Landscapes of Slaving and Exchange: New Directions

9:30  
Pape Laity Diop—Another Form of Slave Ship: Local Nautical Technologies and Practices in the Persistence of the Senegambian Slave Trade (1818–1888)

[148] **SYMPOSIUM: NORTHERN RIO GRANDE HISTORY: ROUTES AND ROOTS**  
**Room:** Golden Gate 7  
**Time:** 8:00 a.m.–9:45 a.m.  
**Chair:** Severin Fowles

**Participants:**

8:00  
Benjamin Alberti—Images on the Move: Archaic Rock Art of Northern New Mexico

8:15  
Severin Fowles and Alison Damick—The New Indigeneity of Thirteenth-Century New Mexico

8:30  
Lindsay Montgomery, Mike Adler and Richard Mermejo—Emergent Economies in the Northern Rio Grande: Agricultural Intensification and the Picuris Pueblo Trade Network

8:45  
Matthew Boulanger, Ian Jorgeson and Michael Adler—the Roots of Lithic Exchange Routes in the Taos Region

9:00  
Jenny Ni—Situating Northern Rio Grande Horse Petroglyphs in the Plains Biographic Tradition

9:15  
Darryl Wilkinson—A New Bethel? Catholic Landscapes of the Northern Rio Grande

9:30  
Julia Morris—On the Road and in Place: A Material History of the New Buffalo Commune, New Mexico

[149] **GENERAL SESSION: APPROACHES TO NEW WORLD COLONIALISM**  
**Room:** Golden Gate 6  
**Time:** 8:00 a.m.–9:45 a.m.  
**Chair:** Esteban Miron Marvan

**Participants:**

8:00  
David Reid—Dating a Wari D-Shaped Temple: New Radiocarbon Evidence from Pakaytambo, Arequipa, Peru

8:15  
María Smith and Alexander García-Putnam—Behind the Man of "Pro and Profit:" Weaving a Colonial City from the Obraje de San Marcos de Chincheros

8:30  
María Angélica Suaza Español—The Hacienda and the Formation of Cultural Traditions in Nueva Granada

8:45  
Esteban Miron Marvan—History and Archaeological Heritage and the Modern Maya
9:00  Diane Wallman, Mark Hauser, Douglas Armstrong and Kenneth Kelly—The Archaeology of Indigenous-European Interaction at LaSoye 2, Dominica, a Sixteenth- to Eighteenth-Century Trading Settlement
9:15  Christopher Rodning and Stephen Acabado—Game Theory, Chaos Theory, and the Archaeology of Indigenous Responses to Global Spanish Colonialisms

[150]  SYMPOSIUM SOCIAL ARCHAEOLOGY IN THE NORTH AND NORTH ATLANTIC (SANNA 3.0):
INVESTIGATING THE SOCIAL LIVES OF NORTHERN THINGS
Room: Golden Gate 3
Time: 8:00 a.m.—10:00 a.m.
Chairs: Michele Hayeur Smith and Kevin Smith
Participants:
8:00  Lísabet Guðmundsdóttir—Driftwood, a Lifeline in the Arctic: Production of Artifacts from Driftwood in Northwest Iceland and Norse Greenland
8:15  Michele Hayeur Smith—Invisible Women in a World of Men: The Textile Trade in the North Atlantic, AD 1000–1600
8:30  Charles Steinman, Michele Hayeur Smith and Soumen Mallick—The North Atlantic Wool Trade, ca. 1000–1400: A Strontium Isotope Approach
8:45  Kevin Smith and Gudmundur Ólafsson—Of Monsters and Men: Material Culture, Movement, and Symbolism at Surtshellir, a Western Icelandic Viking Age Ritual Site
9:00  Véronique Marengère, Kevin P. Smith and James Woollett—What Does a Fire Giant Eat? A Zooarchaeological Analysis of Surtshellir's Burnt Faunal Remains
9:15  Karen Ryan, Elsa Cencig, Susan Lofthouse and Tommy Weetaluktuk—The Qajartalik Petroglyph Site
9:30  James Woollett and Héloïse Barbel—From Omajuk to NiKik: The Variable Transformation of Animals into Social Things among the Historic Period Labrador Inuit
9:45  William Fitzhugh, Michael Mlyniec and Igor Chechushkov—More Than Just a Pot: The Social Life of Soapstone Vessels among the Southern Labrador Inuit

[151]  SYMPOSIUM RECENT INNOVATIONS IN ECUADORIAN ARCHAEOLOGY
Room: Golden Gate 4
Time: 8:00 a.m.—10:30 a.m.
Chairs: Valentina Martinez, Amelia Sánchez Mosquera and Jonathan Damp
Participants:
8:00  Jonathan Damp—Castellated Rims and Silica Bodies: Rethinking Valdivia
8:15  Juan Jijon—Lidar Application in the Cerros Hojas-Jaboncillo, Manabi, Ecuador
8:30  Atsushi Yamamoto, Juan Pablo Vargas Diaz and Oscar Arias Espinoza—Investigations in the Valley of Cañar, Ecuador: Preliminary Results at Cerro Narrio and Loma de Pinshul
8:45  Sara Ayers-Rigsby, Victoria Dominguez and Valentina Martinez—Climate Change in Coastal Ecuador
9:00  Valentina Martinez and Andres Garzon—Landscapes, Architecture, and Settlement Patterns: Reflections on the Territorial Expansion of the Mantenos
9:15  Jorge Flores—Salt Exploitation in the Northern Ecuadorian Highlands: A Substance of Transformations
9:30  Manuel Castro-Priego, Lauro Olmo-Enciso and Marcos Octavio Labrada Ochoa—New Mantenos Social Spaces: The Materiality of Ligüiqui (Manabí, Ecuador)
9:45  Amelia Sánchez Mosquera—Agricultura ancestral y dinámica social en Quito desde el Formativo hasta la República Temprana
10:00  Miriam Domínguez—An Archaeological History of the Tamaylacha (Jubones) River Basin, circa First Millennium BCE
10:15  Maria Masucci—Discussant
SYMPOSIUM FROM VELD TO COAST: DIVERSE LANDSCAPE USE BY HUNTER-GATHERERS IN SOUTHERN AFRICA FROM THE LATE PLEISTOCENE TO THE HOLOCENE

Room: Union Square 2
Time: 8:00 a.m.–11:00 a.m.
Chairs: Benjamin Collins and Aurore Val

Participants:
8:00 Benjamin Collins, Ayanda Mdludlu, Jayne Wilkins, April Nowell and Christopher Ames—Evolving Social Networks during the Late Pleistocene: An Interior Perspective from Grasridge Rockshelter, South Africa
8:15 Aurore Val, Paloma de la Peña, May Murungi, Frank Neumann and Dominic Stratford—On the Edge of the Kalahari: New Excavations of the Middle Stone Age Deposits at Olieboomspoort, South Africa
8:30 Paloma De La Peña and David M. Witelson—Introducing “Project Piedemonte”: Between the Maloti-Drakensberg and the Great Escarpment in the Eastern Cape Province, South Africa
8:45 Giulia Ricci, Aurore Val and Guillaume Porraz—The Technological Sequence of Heuningneskrans (Limpopo, South Africa) around the Time of the Last Glacial Maximum
9:00 Jonathan Haws, Nuno Bicho, João Cascalheira, Mussa Raja and Milena Carvalho—Stone Age Archaeology in the Lower Save River Valley, Southern Mozambique
9:15 Benjamin Schoville and Jayne Wilkins—Late Pleistocene Occupation in the Southern Kalahari: New Results from the North of Kuruman Palaeoarchaeology Project
9:30 Natasha Phillips, Ian Moffat, Matthew Shaw, Chris Ames and Alex Mackay—Investigating the Formation History of Surface Archaeology in the Doring River Valley, South Africa
9:45 Teresa Steele, Alex Mackay and Mareike Stahlschmidt—Life in the Margins: The Pre-Still Bay Deposits from Varsche River 003, Southern Namaqualand, South Africa
10:00 Gregor Bader, Lyn Wadley, Christian Sommer and Nicholas Conard—A Regional Perspective on the Final MSA in KwaZulu-Natal, South Africa
10:15 Brian Stewart, Kyra Pazan and Genevieve Dewar—That High Lonesome Sound: The MIS 5a (~80 ka) Middle Stone Age Lithic Assemblages from Melikane Rockshelter, Highland Lesotho
10:30 Sara Watson and Naomi Cleghorn— Technological Organization on the Paleo-Agilhas Plain: Robberg Lithic Technology from Knyssa Eastern Heads Cave 1
10:45 Erich Fisher, Stephan Winkler, Shara Bailier, Hayley Cawthra and Irene Esteban—Update on Research at the Site of Waterfall Bluff, Eastern Cape Province, South Africa

SYMPOSIUM THE CURRENT STATE OF ARCHAEOLOGICAL RESEARCH ACROSS SOUTHEAST ASIA (Sponsored by Southeast Asian Archaeology Interest Group)

Room: Continental Ballroom 6
Time: 8:00 a.m.–11:00 a.m.
Chair: Scott Macrae

Participants:
8:00 Joyce White, Bounheuang Bouasisengpaseuth, Helen Lewis, Michael Griffiths and Kathleen Johnson—Middle Mekong Archaeological Project: Overview and New Data
8:15 Gyles Iannone—Searching for Bagan’s Peri-Urban Neighborhoods: Some Initial Results
8:30 Scott Macrae, Gyles Iannone, Saw Tun Lin and Nyein Chan Soe—Ancient Inscriptions and Climate Change: A Study of Water Management at the Ancient Capital of Bagan, Myanmar
8:45 Alison Carter and Sarah Klassen—Diachronic Modeling of the Population within the Greater Angkor Settlement Complex
9:00 Piphal Heng, Miriam Stark, Alison Carter and Rachna Chhay—Urban Life Histories, Long-Term Angkorian Urbanism, and the Kok Phnov Site
9:15 Sarah Klassen, Scott Ortman and Jose Lobo—Increasing Returns to Agricultural Intensification at Angkor, Cambodia
9:30 Andrew Harris—Theravada Buddhist Monastic Activity at Angkor: A Discussion of What, Where, and When
9:45 Mitch Hendrickson, Stéphanie Leroy, Enrique Vega and Kaseka Phon—Iron Scales: Reconstructing the History and Organization of Angkorian Iron Smelting around Phnom Dek, Cambodia (Ninth to Fifteenth Centuries CE)
10:00 Kendall Hills and Aldo W. Foe—Regional Analysis and Monumentality in Southeast Asia: Case Studies from Cambodia and Indonesia
10:15 Tiyas Bhattacharyya, Alison Carter, Miriam Stark, Peter Grave and Lisa Kealhofer—Angkor from the Outside in: Incorporation into the Angkorian State as Seen through the Distribution of Stoneware Ceramics
10:30 David Brotherson—New Perspectives on the Demise of Angkor
10:45 Christopher Buckley—The Past inside the Present: Interpreting Archaeological Evidence of Weaving in Mainland Southeast Asia in the Light of Present-Day Textile Making Traditions

[154] **GENERAL SESSION • CURRENT CLASSIC PERIOD LOWLAND MAYA RESEARCH**

**Room:** Golden Gate 1 & 2  
**Time:** 8:00 a.m.—11:15 a.m.  
**Chair:** Kyle Shaw-Müller

**Participants:**
8:00 Keith Eppich—Drums in the Deep: Archaeological Context and Contemporary Acoustics of Ceramic Drums Recovered from Late Classic El Perú-Waka’, Guatemala
8:15 Damien Marken, Matthew Ricker and Robert Austin—Filled to the Brim: Estimating Lowland Maya Reservoir Capacities by Combining Survey, Soil Cores, and GIS
8:30 Sergei Vepretskii, Dmitri Beliaev, Monica de Leon and Camilo Luin—Archaeological Reconnaissance and Excavations at El Encanto (Petén, Guatemala) in 2018
8:45 Zachary Nissen—Inequality, Urban Longevity, and Commoner Households at the Ancient Maya City of Aventura, Belize
9:00 Kyle Shaw-Müller, John Walden, Qiu Yijia, Anais Levin and Julie A. Hoggarth—Measuring Dimensions of Exchange and Economic Transition in Three Districts of Lower Dover, Belize
9:15 Tiffany Lindley—Making Choices in the Maya Hinterlands: An Analysis of Terminal Classic Households at Floodplain North, Western Belize
9:30 John Walden, Michael Biggie, Victoria Izzo, Julie Hoggarth and Rafael Guerra—Examining Intermediate Elite Relationships with Apical Elite Polity Rulers through Ritualization, Ancestor Veneration and District-Scale Identity Formation at the Late Classic Maya Polity of Lower Dover, Belize
9:45 Anna Bishop—Internal Variations among the Elite Classic Maya at El Zotz
10:00 George Kollias—Debt and Obligation in Ancient Maya Political Economies
10:15 Sarah Kurnick—Photographing the Ancient Maya
10:30 Mirko De Tomassi—A Needle Is Not Always a Needle: Reevaluating Gender-Related Objects from Classic Maya Burials
10:45 Marisol Cortes-Rincon, Cady Rutherford, Jason Laugesen, Michael Mcdermott and Spencer Mitchell—Lidar: Guided Archaeological Surveys in the Hinterlands of Northwestern Belize
11:00 George J. Micheletti, Terry Powis and Norbert Stanchly—Investigating the Contexts of an Early Classic Carved Monument at the Maya site of Pacbitun, Belize

[155] **SYMPOSIUM • FEMALE FIRSTS: CELEBRATING ARCHAEOLOGY’S PIONEERING WOMEN ON THE 101ST ANNIVERSARY OF THE 19TH AMENDMENT**  
*Sponsored by History of Archaeology Interest Group [HAIG]*  
**Room:** Continental Ballroom 5  
**Time:** 8:00 a.m.—11:30 a.m.  
**Chairs:** Kelly Pool and Katie Kirakosian

**Participants:**
8:00 Melissa Darby—Zelia Nuttall and Drake's Dream
8:15 Bernard Means—“They left about the time I could begin to depend upon them”: Helen Sloan Daniels and the National Youth Administration Durango Public Library Museum Project
8:30 John Michael Garbellano—Changing Tides and Terrain: Dr. Mary Butler's Hudson Valley Archaeological Survey
8:45  Michaelyn Harle, Laura Smith, Suzanne Fisher and Heather Heart—Florence Hawley’s Enduring Legacy in Southeastern Archaeology and Beyond
9:00  Lynne Goldstein and John Kelly—Harriet Smith, Educator and Archaeologist
9:15  Steven James—Two Pioneering California Women Archaeologists, 1940s–1960s: Agnes Bierman Babcock and Freddie Curtis
9:30  Karen Smith—Celebrating the Design Work of Bettye J. Broyles
9:45  Steven James—Two Pioneering California Women Archaeologists, 1940s–1960s: Agnes Bierman Babcock and Freddie Curtis
10:00 Katie Kirakosian—Dena Dincauze: The Matriarch of New England Archaeology
10:15 Mavis Greer, John Greer and Gene Munson—Dr. Lynn Fredlund, Archaeologist of the Northwestern Plains
10:30 Nancy Hoffman—Janet D. Spector
10:45 John Scott—Crystal Bennett and the 1965 American Embassy Medain Saleh Expedition in Saudi Arabia
11:00 Rebekah Mills, Lauren Brooks, Rachel Brody, Valerie Watson and Zoe Merod—Female Firsts: Hidden Figures: The Women of Irish Archaeology
11:15 Margaret Conkey—Discussant

[156] SYMPOSIUM • NEW PERSPECTIVES ON RITUAL VIOLENCE AND RELATED HUMAN BODY TREATMENTS IN ANCIENT MESOAMERICA
Room: Continental Ballroom 2 & 3
Time: 8:30 a.m.–11:30 a.m.
Chair: Vera Tiesler
Participants:
8:30  Carlos Rincon Mautner—Toward an Ideology of Mesoamerican Ritual Sacrifice: An Interdisciplinary Approach
8:45  Guilhem Olivier and Vera Tiesler—Open Chests and Broken Hearts: New Perspectives on Human Heart Sacrifice in Mesoamerica
9:00  Virginia Miller—The Disembodied Eye in Maya Art and Ritual Practice
9:15  Nelda Issa Marengo, José Osorio León and Francisco Pérez Ruiz—The Funerary or Nonfunerary Human Assemblages from the Initial Series Group at Chichen Itzá
9:30  Judith Ruiz, Isabel Casar Aldrete and Vera Tiesler Blos—Human Sacrifice and Body Processing in Late Eastern Mesoamerica: New Evidence from Toniná, Lagartero, and Champotón
9:45  Guido Krempel—Venerating Death and Fertility: Implications of Late Terminal Classic Maya Use of Monuments with Skeletal Imagery
10:00 Emilie Carreón Blaine—Mesoamerican Ballgame, Human Sacrifice, Ritual Decapitation, and Trophy Taking: Variations in Ways of Displaying
10:15 Vera Tiesler and Virginia Miller—Heads, Skulls, and Sacred Scaffolds: New Studies on Ritual Body Processing and Display among the Ancient Maya of Yucatán
10:30 Susan Milbrath—Take My Heart, Take My Head: Death among Gods in the Codex Borgia
10:45 Angel González López, Jeremy Colman, Karl A. Taube and Travis Stanton—Blood on the Stones: Heart Sacrifice and Sacrificial Altars in the Northern Maya Lowlands and Mexico-Tenochtitlán
11:00 Elizabeth Baquedano—Decapitation and the Vulnerable Nature of Joints among the Aztecs
11:15 Rubén Mendoza—Discussant

[157] GENERAL SESSION • FROM THE CLASSIC PERIOD TO THE POSTCLASSIC IN HIGHLAND MESOAMERICA
Room: Franciscan C&D
Time: 8:30 a.m.–11:30 a.m.
Chair: Jennifer Faux-Campbell
Participants:
8:30  Jennifer Faux-Campbell—Human Representations of Structure: A Theoretical Examination of Half-Conical Figurines from Teotihuacan, Mexico
8:45 Sarah Loomis—Sacrifice and the Skeleton: Mortuary Archaeology at Los Guachimontones
9:00 Edgar Carpio—Flint Artifacts in Salinas de los Nueve Cerros: An Approach to Production and Consumption
9:15 Eunice Villasenor Iribe and Christopher Morehart—Landscape Modification and Agricultural Production on Cerro Ahumada, Mexico
9:30 Caroll Davila, Ivan Rivera and Jennifer Saumur—l’ya Khina Santuario de la lluvia en San Juan Luvina, Sierra Norte, Oaxaca, Mexico
9:45 Jonathan Extract—Nomadic Charters: Mimicry and Heterotopia in the Nahua Festival of Quecholli
10:00 Liana Jiménez Osorio and Emmanuel Posselt Santoyo—La gran línea de vida: Una arqueología alternativa para el contexto de los Pueblos Indígenas
10:15 Emmanuel Posselt Santoyo and Liana Jiménez Osorio—El paisaje del Yuvui Tayu de Ñuu Ndaya, Mixteca Alta, Oaxaca, México
10:30 Rosa Alcántara and Sandra Santiago—Archaeological Research in the Historical Center of Xochimilco
10:45 Elena Mazzetto—Women Who Create and Feed the Gods: Female Priestly Work in Mesoamerica and the Andean Area

11:00 Ryoei Takatsuchi, Nawa Sugiyama, Saburo Sugiyama, Tanya Catignani and Yolanda Peláez Castellanos—Spatial Distribution of Ceramics and Lithics at the Plaza of the Columns Complex, Teotihuacan, Mexico
11:15 Kristin De Lucia and Linda Scott Cummings—Residue Analysis of Cooking Vessels from Early Postclassic Xaltocan, Mexico

[158] **SYMPOSIUM THINKING ABOUT EATING: THEORIZING FOODWAYS IN ARCHAEOLOGY**

**Room:** Continental Ballroom 4  
**Time:** 8:45 a.m.—11:30 a.m.  
**Chairs:** Katherine Chiou and Christine A. Hastorf

**Participants:**
8:45 Shanti Morell-Hart—One Tamale, Four Digestions  
9:00 Christine A. Hastorf and Melanie Miller—Finding Value: Integrating Multiple Datasets to Clarify the Nuances of Past Food Choices
9:15 Alexandra Livarda and Hector A. Orengo—Decoding the Molecular Structure of Food Culture
9:30 Mark Warner—Archaeology Is Anthropology, but Did Zooarchaeology Really Listen?
9:45 Michelle Eusebio—Experiencing Foodways and Community in Southeast Asian Archaeology
10:00 Sarah Oas—Relating to and through Food: Thinking about the Social Dimensions of Food through Cuisine and Commensality
10:15 Sharyn Jones—Consuming Our Pasts: Food as Nature and Culture
10:30 Tanya Peres—Perishable Politics: Food and the Everyday Sociopolitical Identity
10:45 Katherine Chiou, Di Hu, Andrew Warnes and Psyche Williams-Forson—Intersectionality and the Archaeology of Commensality
11:00 Amanda Logan and Sophie Reilly—Food Archaeology for Social Justice
11:15 Christine A. Hastorf—Discussant

[159] **FORUM ARCHAEOLOGICAL APPROACHES TO ANTHROPOGENIC FIRE AND GLOBAL PYRODIVERSITY**

**Room:** Imperial Ballroom  
**Time:** 10:00 a.m.—12:00 p.m.  
**Moderator:** Grant Snitker

**Participants:**
Kent Lightfoot—Discussant
Alan Sullivan—Discussant
Christopher Roos—Discussant
Linn Gassaway—Discussant
S. Maezumi—Discussant
Douglas Bird—Discussant
Anna Klimaszewski-Patterson—Discussant
Michael Coughlan—Discussant
Kelly Derr—Discussant

[160] SYMPOSIUM INDIGENOUS STORIES OF THE INKA EMPIRE: LOCAL EXPERIENCES OF ANCIENT IMPERIALISM
Room: Golden Gate 8
Time: 9:00 a.m.—11:15 a.m.
Chairs: Carla Hernández Garavito and Kasia Szremski

Participants:
9:00 Brian McCray—Vassals or Friendly Confederates: Disjuncture and Identity Imposition in the Late Horizon Northeastern Andean Montaña
9:15 Amanda Aland—Interpreting Inka: Local Perspectives from Santa Rita B (Chao Valley, Peru)
9:30 Kasia Szremski—Success and Power through Networking: Lessons from Chancay Elites in the Huaura Valley
9:45 Carla Hernández Garavito—Inka Materiality in Local Practice: A Case Study from Huarochirí (Lima, Peru)
10:00 Jordan Dalton—Chincha-Inka Joint Rule: Exploring the Role of Local Elites in the Transformations of Complex N1 at Las Huacas
10:15 Francisco Garrido—Decentralized Negotiation and Imperial Flexibility in the Margins of the Inca Empire
10:30 Andrea Martínez-Carrasco, Constanza Cortes, Daniel Pavlovic, Cristian Dávila and Rodrigo Sánchez—Cultura material y agencia local en Chile Central en los tiempos del Inka
10:45 Sonia Alconini—Discussant
11:00 Tamara Bray—Discussant

[161] SYMPOSIUM THE SUBTERRANEAN IN MESOAMERICAN INDIGENOUS CULTURE AND BEYOND
Room: Franciscan A&B
Time: 9:00 a.m.—11:15 a.m.
Chairs: James Brady and Cristina Verdugo

Participants:
9:00 Nicholas Poister, Laura Baumann, Jennifer Waters and Steve Baumann—Bighorn Sheep Bone Caches in the Lava Tube Caves of El Malpais National Monument, New Mexico
9:15 Scott Nicolay and Margaret Berrier—“Tlaloc” and “Chicomoztoc” in the North: Evidence for Chthonic Concepts from Mesoamerican Cosmovision in the Caves of the Greater Southwest
9:30 James Brady and Melanie Saldana—The Constructed Subterranean Confronts Archaeology: Reviewing a Half Century of Ambivalence
9:45 Christina Iglesias—Interpreting a Subterranean Feature at Chichen Itza
10:00 Holley Moyes, Harriet Beaubien and Erin Ray—Lost Rites of the Ancient Maya: Esoteric Rituals in Caves
10:15 Luis Martos and Sergio Grosjean—An Introduction to Chan Xaan Cave, Cuzamá, Yucatan, Mexico
10:30 Cristina Verdugo, Lars Fehren-Schmitz and James Brady—The Question of Sacrifice: Examining Maya Mortuary Practices through the Lens of Midnight Terror Cave
10:45 Amy Chan—When You’re Feeling Blue: Maya Blue Fibers in Dental Calculus of Sacrificial Victims
11:00 W. James Stemp, Jaime Awe and Christophe Helmke—The Implements of the Blade House: The Function and Symbolic Significance of Laurel-Leaf Bifaces from Caves in Central Belize

Room: Union Square 4
Time: 9:00 a.m.–11:30 a.m.
Chairs: Jordi Rivera Prince and Patrick Mullins

Participants:
9:00 Kimberly Munro—Revitalization and Acts of Renewal at the Kareycoto Mound: The Terminal Early Horizon at the Cosma Complex, Ancash, Peru
9:15 David Chicoine, George Lau and Jacob Bongers—Post-Chavín Political Developments in Ancash: Comparative Perspectives from the Nepeña and Pallasca Regions
9:30 Ivan Ghezzi—Chankillo as a Fortification and Post-Chavín Warfare in Casma, Peru
9:45 Patrick Mullins and Brian Billman—Transition in a Place Between: Salinar Phase (500 BCE–CE 1) Settlement Patterns in the Chaupiyunga of the Moche Valley
10:00 Gabriel Prieto—At the Dusk of Chavín: Social, Economic, Political, and Ideological Implications as Viewed from a Fishing Settlement in the North Coast of Peru
10:15 Gianina Comeca Ramirez, Gabriel Prieto Burmester and Pilar Babot—Scraping the Pots: Residue Analysis of Salinar Ceramic Vessels Found in Domestic Contexts at Pampa la Cruz, Huanchaco, North Coast of Peru
10:30 Jordi Rivera Prince and Gabriel Prieto—A “Salinar Period” Cemetery at the José Olaya Site: Preliminary Demography of a Post-Chavín Maritime Community in the Moche Valley
10:45 Richard Sutter, Gabriel Prieto, Jordi Rivera and Celeste Gagnon—The Biological Relatedness between the Salinar (400 BC–AD 100) and Other Prehistoric Populations of the North Coast of Peru: A First Approximation Using Nonmetric Dental Traits
11:00 Sam Ghavami—Thinking Transition: The Processes of Ethnogenesis
11:15 Hugo Ikehara Tsukayama—Discussant

[163] FORUM: WORRIED ABOUT FINDING WORK? HOW TO INTERVIEW, PREPARE RESUMES, AND WRITE TECHNICAL DOCUMENTS

Room: Yosemite
Time: 9:15 a.m.–11:15 a.m.
Moderators: David Witt, Jennifer Lapp and Kimball Banks

Participants:
Nathan Allison—Discussant
Nathan Boyless—Discussant
Casey Campetti—Discussant
Desiree Martinez—Discussant
Kristy Primeau—Discussant
Linda Scott Cummings—Discussant
Rebecca Simon—Discussant
Joshua J. Wells—Discussant

[164] FORUM: TO THE ACADEMY AND BEYOND: A BIOARCHAEOLOGY JOBS FORUM

Room: Plaza Room
Time: 9:30 a.m.–11:30 a.m.
Moderators: Katharine Kolpan and Samantha Blatt

Participants:
Julia Prince-Buitenhuys—Discussant
Stacy Drake—Discussant
Samantha Blatt—Discussant
Katharine Kolpan—Discussant
Ellen Lofaro—Discussant
Maranda Kles—Discussant
John Krigbaum—Discussant
FORUM • Teaching Integrity in Empirical Archaeology  
(Sponsored by Open Science in Archaeology Interest Group)  
Room: Union Square 3  
Time: 9:45 a.m.–11:45 a.m.  
Moderators: Ben Marwick and Alan Farahani  
Participants:  
Li-Ying Wang—Discussant  
Raven Garvey—Discussant  
Alan Farahani—Discussant  

SYMPOSIUM • Deep History, Colonial Narratives, and Decolonization in the Native Chesapeake  
Room: Continental Ballroom 1  
Time: 9:45 a.m.–12:00 p.m.  
Chairs: Martin Gallivan and Julia King  
Participants:  
9:45 Martin Gallivan and Jessica Jenkins—Deep History, Colonial Encounters, and Revitalization in the Algonquian Chesapeake  
10:00 Jessica Young—Taskscapes and Social Sustainability: Archaeobotanical and Ethnohistorical Interpretations from the Chesapeake  
10:15 Taylor Triplett—The Hand Site, Revisited: A Collections-Focused Approach to Recentering Deep History in the Lower Middle Atlantic  
10:30 Christopher Shephard—Material Bodies, Living Objects: Bodily Adornment and Death in the Algonquian Chesapeake  
10:45 Dane Magoon—Powhatan’s Pearls: Power, Prestige, Profit, and Identity in Coastal Virginia during the Late Woodland and Contact Periods  
11:00 Buck Woodard and Danielle Moretti-Lagholtz—Provenance and Power: Decolonizing Powhatan’s Mantle  
11:15 Julia King—Bridging the Divide: A Study of Fourteenth- to Eighteenth-Century Native Settlements in the Middle Chesapeake  
11:30 Ellen Chapman and Victoria Ferguson—Toward a Decolonized CRM: Challenges in Archaeological Stewardship and Interpretation for Virginia Tribes  
11:45 Jeffrey Hantman—Discussant  

FORUM • Constructing Chronologies III: Where Do We Go from Here?  
Room: Continental Ballroom 7-9  
Time: 10:00 a.m.–12:00 p.m.  
Moderators: Thomas Dye and Lori Barkwill Love  
Participants:  
Timothy Rieth—Discussant  
Edward Harris—Discussant  
Michael O’Brien—Discussant  
Brendan Culleton—Discussant  
Caitlin Buck—Discussant
[168] **GENERAL SESSION • RELIGION, RITUAL, AND SPIRITUAL WORLDVIEW: CURRENT RESEARCH**

**Room:** Golden Gate 7  
**Time:** 10:30 a.m.–11:30 a.m.  
**Chair:** Saša Caval

**Participants:**
- 10:30 Caroline Arbuckle MacLeod—Online Digital Pedagogy and the Database of Religious History
- 10:45 Saša Caval—Religion as a Social Adhesive in Colonial Mauritius
- 11:00 Thatcher Rogers—Complexity, Rituality, and the Origins of Paquimé (Casas Grandes), Chihuahua
- 11:15 Christian Mesia-Montenegro—Secularism and Religiousness in Late Formative Ceramics from Chavin de Huántar

[169] **SYMPOSIUM • WATER AND SANITATION MANAGEMENT IN THE MEDITERRANEAN**

**Room:** Union Square 1  
**Time:** 10:30 a.m.–12:00 p.m.  
**Chairs:** Kate Trusler and Wayne Lorenz

**Participants:**
- 10:30 Kate Trusler, Gwen Martin-Apostolatos, Wayne Lorenz, Jessica Bernstetter and Amie Green—Around the Neighboring Watering Hole: Comparative Analysis of Fountains in Pompeii and Herculaneum
- 10:45 Wayne Lorenz—Mosaic Water Fountains in Pompeii
- 11:00 Jessica Bernstetter—Architectural Visibility Analysis: Understanding Domestic Space in Roman Pompeii, Italy
- 11:15 Meisha Hunter Burkett, Allan Ceen, Mattia Crespi and Augusto Mazzoni—Acquedotto Vergine: Stewardship of Ancient Water Infrastructure in the Modern Roman Periferia
- 11:30 Eric Poehler—Discussant
- 11:45 Meisha Hunter Burkett—Discussant

[170] **GENERAL SESSION • TOPICS IN NEAR EASTERN AND SOUTHERN CAUCASUS ARCHAEOLOGY**

**Room:** Golden Gate 5  
**Time:** 10:45 a.m.–12:00 p.m.  
**Chair:** Ian Kuijt

**Participants:**
- 10:45 David Berikashvili—Cultural Transitions through the Centuries in the South Caucasus (New Archaeological Data from Samshvilde)
- 11:00 Ian Kuijt and Arkadiusz Marciniak—How Many People Lived in Early Villages? Reconsidering Neolithic Demography at Çatalhöyük
- 11:15 Mitra Panahipour—Deh Luran Archaeological Landscape: A Reassessment
- 11:30 Petra Creamer—Death and Taxes in the Ancient Assyrian Empire: Pictures of Wealth Inequality in Provincial Settlements
- 11:45 Matthew Howland, Brady Liss, Mohammad Najjar and Thomas Levy—Integrating Digital Datasets into Public Engagement through ArcGIS StoryMaps

[171] **GENERAL SESSION • MATERIAL REMAINS: LOOKING AT ARTIFACTS IN MULTIREGIONAL CONTEXTS**

**Room:** Golden Gate 6  
**Time:** 11:00 a.m.–11:45 a.m.  
**Chair:** Krista Eschbach

**Participants:**
- 11:00 J. M. Adovasio—Fifty Years with Baskets
- 11:15 Krista Eschbach and John Worth—Ceramics, Categorical Identification, and the Changing Social Structure of the Spanish American Colonies
11:30  Emily Anderson—Giants in the Hand: Scale, Materiality and the Unique Social Lives of Seal Stones

Saturday Afternoon • April 17, 2021

[172]  **GENERAL SESSION • APPLICATIONS OF PALEOETHNOBOTANY**  
**Room:** Golden Gate 4  
**Time:** 1:00 p.m.–2:30 p.m.  
**Chair:** Blanca Maldonado

**Participants:**  
1:00  Joshua Porter, Alison Brooks, Scott Whittaker and John Yellen—Analysis of a Jun/Wasi Nut Cracking Stone from Western Ngamiland, Botswana: Implications for the Origins of Hominin Technology  
1:15  Nicolette Edwards—Exploitation of Canarium versus African Oil Palm by Ancient Hunter-Gatherers in Tropical Africa  
1:30  Ryan Szymanski—Historical Ecology of Demographic and Economic Change in the Highlands of Western Kenya: Archaeobotanical and Mycological Evidence  
1:45  Blanca Maldonado—Ethnoarchaeological Research of Traditional Charcoal Production in Central Michoacán, Mexico  
2:00  Sebastian Salgado-Flores—Postclassic Firewood Management at Mensabak, Chiapas, Mexico: Using Forest Surveys and GIS Modeling to Predict Charcoal Midden Composition  
2:15  Víctor Emmanuel Salazar Chávez and Jeffrey Blomster—Quotidian and Ritual Use of Maize at Early Formative Etlatongo, Oaxaca, Mexico

[173]  **GENERAL SESSION • PRODUCTION AND TRADE: INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS (INAA)**  
**Room:** Golden Gate 8  
**Time:** 1:00 p.m.–2:30 p.m.  
**Chair:** Leah Minc

**Participants:**  
1:00  Fumie Iizuka, Jeffrey Ferguson and Masami Izuho—Geochemical Provenance Analysis of Pre-Younger Dryas Pottery from Southern Japan Using Neutron Activation  
1:15  Ana Navas—Compositional and Technological Analysis of Panamanian Colonial Utilitarian Wares  
1:30  Leah Minc, Marcus Winter and Cira Martínez-López—Intra-valley Exchange before the Rise of Monte Albán: New Data from Trace-element Analyses of Rosario Phase Ceramics  
1:45  Sarah Breault, Jeffrey P. Blomster, Daniel E. Pierce and Michael D. Glascock—Local and Imported Ceramics from a Feasting Assemblage at Etlatongo: Preliminary INAA Results  
2:00  Dawn Crawford, Michael Callaghan, Daniel Pierce, William Gilstrap and Brigitte Kovacevich—Ceramic Production during the Terminal Classic at Holtun, Guatemala  
2:15  Anya Frashuer, Christopher Carr and Michael D. Glascock—Ceramic Exchange and Community Organization of Middle Woodland Period Hopewell Groups in the Scioto Valley, Ohio

[174]  **FORUM • TEACHING AND TRAINING IN GEOARCHAEOLOGY: PEDAGOGICAL METHODS AND CURRICULAR PATHWAYS**  
*(Sponsored by Geoarchaeology Interest Group)*  
**Room:** Yosemite  
**Time:** 1:00 p.m.–3:00 p.m.  
**Moderators:** Carlos Cordova and Andrea Freeman

**Participants:**
Jessi Halligan—Discussant
Mike Carson—Discussant
Timothy Beach—Discussant
Vance Holliday—Discussant
Lisa Maher—Discussant
Justin Holcomb—Discussant
Andrea Freeman—Discussant
Rolfe Mandel—Discussant

**[175] SYMPOSIUM, BAYESIAN ARCHAEOLOGY**
*(Sponsored by Quantitative Methods & Statistical Computing Interest Group [QUANTARCH]*)

**Room:** Golden Gate 5
**Time:** 1:00 p.m.–3:00 p.m.
**Chairs:** Jesse Wolfhagen and Erik Otárola-Castillo

**Participants:**
1:00 Erik Otárola-Castillo—Why a Bayesian Archaeology? A Pain-Free Introduction
1:15 Jesse Wolfhagen—Why Not a Bayesian Archaeology? Debunking Misconceptions about Bayesian Statistics
1:30 Kevin Schwarz—Iterative Temporal Hygiene and Bayesian Analyses of Radiocarbon Datasets: The Impact of Kernel Density Estimation on Clarifying Temporal Relationships among Woodland Period Phases, Middle Scioto Valley, Ohio
1:45 James Karbula—A Critical Reevaluation of Radiocarbon Ages from the Berdoll Site (41TV2125), in Support of Refined Site Spatial and Contextual Analyses
2:00 Philip Hitchings and Edward Banning—The Use of Bayesian Allocation for the Optimization of Archaeological Survey Effort
2:15 Li-Ying Wang and Ben Marwick—Bayesian Exponential Random Graph Modeling of an Iron Age Burial Network in Northeastern Taiwan
2:30 Alejandra May, Melissa Torquato, Trevor Keevil, Lauren Christopher and Erik Otárola-Castillo—The Effect of Climate Change and Human Predation on the Niche Space of North American Proboscideans
2:45 Sarah Coon, Erik Otárola-Castillo, Jacob Harris and Curtis Marean—Morphometric Comparison of Early Hominin Butchery Evidence to Carnivore Modifications within a Bayesian Framework

**[176] GENERAL SESSION, ANALYSES, SURVEY, AND DIGITAL ARCHAEOLOGY ACROSS EUROPE**

**Room:** Golden Gate 3
**Time:** 1:00 p.m.–3:00 p.m.
**Chair:** Petya Hristova

**Participants:**
1:00 Kamen Boyadzhiev—Tell Yunatsite, Southern Bulgaria: New Insights on the Fifth millennium BC in the Balkans
1:15 Katina Lillios—Archaeological Evidence for Islamic Uses of Megalithic Structures in al-Andalus (CE 711–1492)
1:30 Sterling Wright, Courtney Hofman, Kristen Rayfield, Nihan Dagtas and Adam Rabinowitz—The Integrity of Biomolecules across the Oral Matrix from Histria, Romania
1:45 Montserrat Sanz Borràs, Joan Daura, Dan Cabanes, Natalia Eguez and Ángel Carrancho—Recognizing Early Use of Fire in the Paleolithic of Europe
2:00 Petya Hristova—Investigating Social Significance and Differentiation of Buildings through Painted and Figurative Decoration, Built-In Furnishings, and Portable Finds
2:15 Andrea Vianello—The First Quarantine: Lessons from Past Epidemics
2:30 Kevin Tillison—Life and Death of Wooden Vessel Manufacturing and Woodcraft Within the Rural Settlements of Early Medieval Ireland AD 400–1100

[177] **SYMPOSIUM ■ LIFE IS RISKY: HUMAN BEHAVIORAL ECOLOGICAL APPROACHES TO VARIABLE OUTCOMES**

*Room:* Continental Ballroom 2 & 3  
*Time:* 1:00 p.m.–3:15 p.m.  
*Chairs:* Weston McCool and Kate Magargal

**Participants:**
1:00 Christopher Morgan, Gustavo Neme, Adolfo Gil, Clara Otaola and Miguel Giardina—Risk Seeking and Risk Mitigation in the Argentine Andes
1:15 Matthew Pailes and Natalia Martínez-Tagüeña—The Role of Future Discounting in Subsistence Decisions: The Case of Hohokam Agave Farming
1:30 Alexandra Greenwald—Women’s Time Allocation Trade-Offs in an Intensive Foraging Economy Led to Future Discounting Reproductive Behavior
1:45 Peter Yaworsky—The Interactive Effects of Risk and Climatic Variation on Food Storage Behavior
2:00 Weston McCool—Examining the Trade-Off between Food Acquisition and Violence Avoidance: Population-Level Effects and Variability in Risk-Preference
2:15 Kate Magargal—Limb for Limb: Risk and Firewood Acquisition in the Southwestern United States
2:30 Shannon Tushingham—Beyond Processors: Leadership, Risk, and Decision Making among Women in Anarchic Societies
2:45 Gregory Burns—Monetized Trade and Correlated Risk in Central California
3:00 Brian Codding, Kate Magargal, Douglas Bird, Rebecca Bliege Bird and David Zeanah—Resource Acquisition Risk as a Driver of Subsistence Transitions

[178] **SYMPOSIUM ■ ARCHAEOACOUSTICS: SOUND, HEARING, AND EXPERIENCE IN ARCHAEOLOGY**

*Room:* Imperial Ballroom  
*Time:* 1:00 p.m.–3:30 p.m.  
*Chairs:* Kristy Primeau, Margarita Díaz-Andreu and Neemias Santos Da Rosa

**Participants:**
1:00 Kristy Primeau, Neemias Santos da Rosa and Margarita Díaz-Andreu—Current Trends in Archaeoacoustics
1:15 Jonathan Goldner—Listening to Wood: Material Engagements with Sound and Trees
1:30 Raquel Jiménez Pasalodos, Tommaso Mattioli, Laura Coltofean, Margarita Diaz-Andreu and Andrzej Rozwadowski—The Spirits Listen: Ethnographical Accounts of South Siberian Soundscapes
1:45 Angela Bellia—Aural Experiences in the Performative Spaces of the Past
2:00 Neemias Santos Da Rosa, Laura Fernández Macias, Tommaso Mattioli and Margarita Diaz-Andreu—Dancing on the Wall: A Systematic Approach to Prehistoric Dance through the Study of Levantine Rock Art
2:15 Heather Richards-Rissetto, Kristy Primeau and David Witt—Incorporating Vegetation Reconstruction in Computational Landscape Archaeoacoustics: An Ancient Maya Case Study
2:30 Agata Calabrese—Lamenting the Dead: The Acoustic Element in Bronze Age Funerary Rituals in Syro-Mesopotamia
2:45 Margarita Diaz-Andreu, Gabriel García Atiénzar, Virginia Barciela, Laura Coltofear and Tommaso Mattioli—Rock Art and GIS: Bridging the Gap between Audibility, Visibility, and Landscape
3:00 Chester Liwosz—Selective Hearing: Toward a Puebloan Probability Model for Archaeoacoustic Landscape Properties Using Iconography and Geophysical Variables
3:15 David Witt—Discussant
[179] **SYMPOSIUM: ADVANCES AND NEW PERSPECTIVES IN THE Isthmo-Colombian Area**  
**Room:** Golden Gate 7  
**Time:** 1:00 p.m.–3:45 p.m.  
**Chairs:** Roberto Herrera and Yajaira Núñez Cortés

**Participants:**
1:00 Sergio García Piedra—Nuevos datos sobre los colgantes de lapidaria verde y sus contextos arqueológicos en Costa Rica
1:15 Payson Sheets—Natural Disasters and the Avoidance of Complexity: Arenal Villages in Comparative Context
1:30 Susan Monge—A Tropical Treasure Trove: Preliminary Assessment of Archaeological Faunal Remains from Culebra Bay, Guanacaste, Costa Rica
1:45 Ashley Sharpe, Nicole Smith-Guzmán and Richard Cooke—A Preliminary Multi-isotope Assessment of Precolumbian Humans from Panama
2:15 Dr. Scott Palumbo—Assessing Agricultural Intensification in Greater Chiriquí during the Aguas Buenas Period
2:30 Carlos Fitzgerald-Bernal, Alvaro Brizuela-Casimir and Freddy Rodríguez-Saza—Reassessment of Population Density in Late Precolumbian Central Caribbean Panama
2:45 Christopher Begley—Framing Intent, Power, and Agency in Eastern Honduras
3:00 Roberto Herrera and Francisco Corrales—Complexity during the Aguas Buenas Period of Greater Chiriquí: Initial Comparisons between El Cholo, Cantarero, and Pejeperro Sites, Southern Costa Rica
3:15 Yajaira Núñez Cortés—Economy, Exchange, and Power at Lomas Entierros, Central Pacific Costa Rica
3:30 John Hoopes—Discussant

[180] **SYMPOSIUM: CENTRAL MEXICO AFTER TEOTIHUACAN: EVERYDAY LIFE AND THE (RE)MAKING OF EPICLASSIC COMMUNITIES**  
**Room:** Franciscan A&B  
**Time:** 1:00 p.m.–3:45 p.m.  
**Chairs:** Sarah Clayton and Michelle Elliott

**Participants:**
1:00 Natalia Moragas—“Closed by Refurbishment”: A General Overview of Teotihuacan from Classic to Epiclassic Times
1:15 Marion Forest and Andrew Somerville—Return to Hacienda Metepec: Exploring Continuity and Change at Teotihuacan
1:30 Sarah Clayton—Life after Teotihuacan: Everyday Practices and Community Formation at Chicoapaon, Mexico
1:45 Luis Barba, Jorge Blancas, Agustín Ortiz, Ricardo Cruz and Sarah Clayton—Geophysical Studies in the Archaeological Site of Chicoapaon, Estado de Mexico
2:00 Carolyn Freiwald, Sarah Clayton and Kaedan O’Brien—Isotopic Diet and Migration at Chicoapaon Viejo, Mexico
2:15 Bianca Gentil—The Epiclassic outside of the Basin: Measuring Population and Settlement Dynamics in the Puebla-Tlaxcala Valley, Mexico
2:30 Ricardo Leonel Cruz Jimenez, Jose Luis Ruvalcaba Sil, Edgar Casanova González, Mayra Manrique-Ortega and Luis Barba Pingarron—Aspectos de aprovisionamiento y uso de la obsidiana en Chicoapaon Viejo, un asentamiento Epiclásico en la Cuenca de México
2:45 Michelle Elliott and Yoanna Herrera-Santos—Reconstructing Land-Use and Socio-environmental Change at Epiclassic Chicoapaon Using Plant Macroremain Analyses
3:00 Angela Huster—Ceramic Chronology in the Absence of a Horizon
3:15 Christopher Morehart, Angela Huster, Dean Blumenfeld and Eunice Villaseñor Iribe—Creating the Pax Tolteca: Diversity, Autonomy, and Centralization from the Epiclassic to the Early Postclassic Periods in the Northern Basin of Mexico
3:30  Jerald Ek—Imported Imperialism: The Impact, Aftermath, and Lasting Political Legacy of Teotihuacan in the Maya Lowlands

[181]  SYMPOSIUM  ARCTIC PASTS: DIMENSIONS OF CHANGE  
Room:  Continental Ballroom 4  
Time:  1:00 p.m.—4:15 p.m.  
Chairs:  Sean Desjardins, Max Friesen and Matilda Siebrecht  
Participants:  
1:00  Max Friesen and Pamela Hakongak Gross—Pitquhivut Iliaqtaa: Learning about Our Culture  
1:15  Owen Mason—The Birnirk/Thule Migrations: Pushed from an Overpopulated Bering Strait Dominated by Old Bering Sea Culture  
1:30  Juliette Taieb, Claire Alix, Glenn Juday, Owen Mason and Christophe Petit—Revisiting and Extending the Kobuk River Tree-Ring Master Chronology: A Unique Record for Paleo-climate and Archaeology in Northwestern Alaska  
1:45  Claire Alix, Tony Krus, Lauren Norman, Owen Mason and Juliette Taieb—The Birnirk to Thule Transition as Viewed from Two Adjacent Houses at Cape Espenberg  
2:00  Natasha Lyons, Lisa Hodgetts, David Haogak and Mervin Joe—Anatomy of an Arctic Archaeobotanical Analysis: Insights about Ancestral Inuvialuit Plant Use at Agvik, Banks Island, NWT  
2:15  George Hambrecht, Nicole Misarti, Arni Daniel Juliosson and Francis Feeley—Marine Fish Zooarchaeological Data from Iceland and the Central North Atlantic Marine Historical Ecology Project  
2:30  Sean Desjardins, Scott Rufolo and Martin Appelt—Avvajja (Abverdjar) Revisited: Reconstructing Tuniit (Dorset Paleo-Inuit) and Recent-Historic Inuit Life at an Iconic Site in Northern Foaxe Basin, Nunavut, Canada  
2:45  Hollis Miller—Putting the Past in Conversation with the Present: A Collaborative Archaeology of Colonialism in Old Harbor, Kodiak Island, Alaska  
3:00  Peter Whitrudge and James Williamson—The Use of Aerial Drones to Map, Monitor, and Analyze Inuit Sites in Northern Labrador  
3:15  Matilda Siebrecht—#Arctic: Social Media and the Communication of Arctic Archaeological Knowledge  
3:30  Matthew Walls and Mari Kleist—Perspectives from a Digital Season and New Opportunities of Knowledge Co-production for Arctic Archaeology  
3:45  Danii Desmarais, Lesley Howse, Mari Kleist and Letitia Pokiak—Accountability in Arctic Archaeology: A Continuing Conversation for Change  
4:00  Genevieve LeMoine—Discussant  

[182]  SYMPOSIUM  POLYCHROMY, MULTIMEDIALITY, AND VISUAL COMPLEXITY IN MESOAMERICAN ART  
Room:  Continental Ballroom 5  
Time:  1:00 p.m.—4:15 p.m.  
Chairs:  Elodie Dupey and Davide Domenici  
Participants:  
1:00  Brigitte Faugere—Colors in the Chupicuaro Ceramic Tradition: A Diachronic Perspective during the Late Formative  
1:15  Alyce De Carteret and Diana Magaloni Kerpel—The Polychromatic Painting Strategies of Classic Maya Ceramic Artists  
1:30  Elodie Dupey—Polychromy in Nahua Art  
1:45  Davide Domenici—Tridimensionality, Multimediality, Polychromy, and Other Forms of Visual Complexity in Late Postclassic Mosaic Art  
2:00  Laura Filloy and María Olvido Moreno—Shimmering Gold and Feathers: Strategies for Making Feathered Objects with Metal Applications  
2:15  Allison Caplan—Assembling Bodies: Multimediality in Nahua Precious Costumery  
2:30  Miruna Achim—Chalchihuites: Jade Histories of Value and Matter in the Early Modern World
2:45 Megan O'Neil—Surface, Texture, and Touch in Ancient Maya Art
3:00 Claudia Brittenham—Art and Experience in Chichen Itza
3:30 Jaime Marroquín and Jamie Ford—Utopia through the Kaleidoscope: The Colors of Silk in Colonial Mexico
3:45 Johannes Neurath—Discussant
4:00 Kim Richter—Discussant

[183] GENERAL SESSION: ANDEAN ARCHAEOLOGY FROM THE MIDDLE THROUGH LATE HORIZONS
Room: Union Square 2
Time: 1:00 p.m. – 4:15 p.m.
Chair: Amy Szumilewicz

Participants:
1:00 Izumi Shimada, Haagen Klaus, Brandi MacDonald, Kayeleigh Sharp and Ken-ichi Shinoda—Defining the Organization of Middle Sicán (Peru) Governance
1:15 Matthew Sitek—Communities in the Campo: Household Excavations at a Tiwanaku Frontier Settlement in the Middle Lomumba Valley, Peru (ca. AD 500–1100)
1:30 Amy Szumilewicz—The Portable Murals and Painted Shrouds of Middle Sicán Tombs
1:45 Elizabeth Nelson, Evelyn Guevara, J. Marla Toyne, Johannes Krause and Kirsten Bos—Precolumbian Tuberculosis in the Chachapoya from the Northeastern Peruvian Andes
2:00 Paloma Cuello Del Pozo, Eduardo Eche Vega and Jose Peña—Pollen Analysis at El Campanario (Peru): Preliminary Study from a Public Architecture
2:15 Arianna Garvin, Paul S. Goldstein and Jade d’Alpoim Guedes—The Implications of Amaranthaceae Cultivars at the Tiwanaku Site of Cerro San Antonio, Locumba, Peru
2:30 Detlef Wilke and Peter de Smet—A Collaborative Proposal for Identifying Psychoactive Drug Ingredients in Supposed Ritual Pottery and Other Implements from the Prehispanic Andes
2:45 Sophie Reilly and Andrew Roddick—a Taste for Tubers: The Circulation of the Familiar through the Ancient Titicaca Basin
3:00 Benjamin Schaefer, Gabriel Prieto and John Verano—My Heart in Their Hand: Inferring Psychosocial Stress from a Mass Child Sacrifice, Pampa La Cruz, Peru
3:15 Zach Chase and Steve Kosiba—Memories of New Past in Cuzco and Huaroñhirí
3:30 Ridge Anderson and Zachary Chase—“Paria Caca Loves Him”: The Camelid and Huaroñhirí Sustenance and Ceremony
3:45 Nicole Slovak—The Middle Horizon Period at Ancón: A Reassessment
4:00 Jonah Augustine—Common Sense and the Distribution of the Sensible in Ancient Tiwanaku, AD 500–1100

[184] SYMPOSIUM: THE URBAN QUESTION: INTERDISCIPLINARY APPROACHES TO INVESTIGATING THE ANCIENT MESOAMERICAN CITY
Room: Continental Ballroom 6
Time: 1:00 p.m. – 4:30 p.m.
Chairs: Lisa Johnson and Arianna Campiani

Participants:
1:00 Lisa Johnson, Felipe Trabatino, Eloi Berube and Eos Lopez—Microarchaeology and the Production of Urban Life at the Classic Maya City of Palenque
1:15 Rachel Horowitz, Marcello Canuto and Tomás Barrientos—Production in Urban Spaces: Lithic Production and Economic Organization at La Corona, Guatemala
1:30 David McCormick, Gilberto Cruz, Erika Gómez and Oswaldo Chinchilla—Artisanal Diversification or “Multi-crafting” as Economic Strategy among Upper-Class Extra-household Groups at Cotzumalhuapa
1:45 Lucas Martindale Johnson and Adrian Chase—Examining Flaked Stone from Caracol, Belize, at the Urban Scale
2:00 Eva Lemonnier, Julien Hiquet and Julien Sion—Living in the City of Naachtun (Guatemala): A Perspective from Urban Neighborhoods
2:15 Arianna Campiani—Urban Form and Social Dimension at the Classic Maya City of Palenque
2:30 Nicola Lercari, Catherine Yeager and Arianna Campiani—Interpreting Palenque Airborne Lidar Data through Machine Learning: An Unsupervised Classification Approach
2:45 Aarón David Piña Martínez and Annick Jo Elvire Daneels—Patrones de movilidad como reflejo de la concepción del diseño urbano: Un caso del Centro Sur de Veracruz en el Clásico
3:00 Timothy Murtha and Whittaker Schroder—Land Systems Architecture and Ecology as Infrastructure in Cities and Regions across the Maya Lowlands
3:15 Marc Marino, Lane Fargher and Angelica Costa—Collective Action, Households, Neighborhoods, and Urban Landscapes: A Multiscalar Perspective on Late Postclassic Urbanism at Tlaxcallan
3:30 Nicoletta Maestri—Settlement and Mobility in Early Colonial Tabasco, Mexico
3:45 Rosemary Joyce—Discussant
4:00 Cynthia Robin—Discussant
4:15 Scott Hutson—Discussant

[185] **Symposium: Navigating Ethical and Legal Quandaries in Modern Archaeological Curation**

**Room:** Golden Gate 1 & 2
**Time:** 1:15 p.m.—4:00 p.m.
**Chair:** Marieka Arksey

**Participants:**
1:15 Marieka Arksey—Donations, Appraisals, and Tax Write-Offs: Trying to Keep Collections Off of the Antiquities Market
1:30 Maxine McBrinn, Julia Clifton, Diana Sherman and Amy Montoya—Donations and Transfers: Recent Challenges at One State Repository
1:45 Siobhan Hart—Curating Archaeological Collections in the Private Small Liberal Arts Context
2:00 Gregory Lattanzi—The Good, the Bad, and the Not So Great: Archaeological Curation at the New Jersey State Museum
2:15 Danielle Cathcart—Warehousing the Past: Are We Doing the Right Thing?
2:30 Patrick Lyons—Discussant
2:45 Kathryn MacFarland, Arthur Vokes, Suzanne Eckert and Patrick Lyons—A New Fee Structure to Ensure Repository and Archive Sustainability
3:00 Elizabeth Johnson—Digging Out: Finding Creative Solutions to Four Decades of CRM Collections
3:15 Douglas Wilson, Theresa Langford and Meagan Huff—Navigating Archaeological Research and Collections at Fort Vancouver National Historic Site
3:45 S. Terry Childs—Discussant

[186] **General Session: Historic Archaeology of North America**

**Room:** Union Square 3
**Time:** 1:15 p.m.—4:00 p.m.
**Chair:** Leila (Donn) Character

**Participants:**
1:30 Christina McSherry—Identity, Place, and Public Memory: A Linguistic Analysis of American Civil War Monuments at the Gettysburg Battlefield
1:45 Jenna Slatowski and Lori Lee—Low-Fired Ceramic Chronologies at Fort Mose
2:00 Lori Lee—Bottles and Beads: Glass Objects at Fort Mose

2:30  Charles Boyd, Donna Boyd and Victoria Cristwell—A Temporal Perspective of African American Health Disparities Based on Bioarchaeological Evidence: The Effect of Racial Inequality on Disease Comorbidities and Mortality from Slavery to COVID-19

2:45  Laura Harrison and Brooke Hansen—Digital Approaches to Heritage at Risk and Sustainability at Egmont Key, FL

3:00  Leila (Donn) Character and Agustin Ortiz Jr.—Automatic Identification of Shipwrecks Using Digital Elevation Data and Deep Learning

3:15  Jane Peterson and Michael Gregory—Bronzeville’s Backyards: Red-Line Realities in a Vibrant Community

3:30  Kelly Jenks—Investigating Parajes: An Exploration of “Camping” Sites on the Camino Real

3:45  Nicole Mathwich and Carlos Figueroa Beltran—Situating Rancho Johnson: Landscape transitions in Baja California

[187] LIGHTNING ROUNDS • AN OCEAN OF CONNECTIONS: TANGIBLE AND INTANGIBLE EXCHANGES IN THE IOW

Room: Continental Ballroom 7-9
Time: 1:30 p.m.—3:30 p.m.

Moderators: Stefania Manfio and Alessandra Cianciosi

Participants:
Elena Skosey-LaLonde—Discussant
Nicholas Bartos—Discussant
Wolfgang Alders—Discussant
Alessandro Ghidoni—Discussant
Madeleine Gunter Bassett—Discussant
Julia Haines—Discussant
Saša Caval—Discussant

[188] SYMPOSIUM • AFRO-LATIN AMERICAN LANDSCAPES
(Sponsored by Afro-Latin America Interest Group)

Room: Franciscan C&D
Time: 1:30 p.m.—3:45 p.m.

Chair: Kathryn Sampeck

Participants:
1:30  Claire Maass—Born into Captivity: Bioarchaeological Perspectives toward Enslaved Children and Childhood in Colonial Peru

1:45  Luis Claudio Symanski—Color Lines, Material Culture, and the Negotiation of Social Space in the Sugar Plantation Fazenda do Colégio, Campos dos Goytacazes, Brazil

2:00  Johana Caterina Mantilla Oliveros—Landscapes of Mobility and Freedom: Maroonage and the Making of the New World

2:15  Daniela Balanzategui—Landscapes of Maroon Societies in Ecuador

2:30  Tracie Mayfield—Archaeology and Ethnography on Old Providence and Santa Catalina Islands (Colombia)

2:45  Terrance Weik—Cattle Colonialism: A Comparative Perspective on Chickasaw Territory and Latin America

3:00  Camila Orbegozo Hernández—Arqueología para reivindicar: Huellas de africanía en la producción alfarera de Cartagena de Indias (S. XVI-XVIII)

3:15  María Angélica Suaza Español—Discussant

3:30  Brendan Weaver—Discussant
[189] **SYMPOSIUM** "IS THERE GOLD IN THAT FIELD?" CRM AND PUBLIC OUTREACH ON THE FRONT LINES  
(Sponsored by Public Archaeology Interest Group)  
**Room:** Continental Ballroom 1  
**Time:** 1:45 p.m.—4:30 p.m.  
**Chair:** Sara Ayers-Rigsby  

**Participants:**  
1:45 Sonya Beach, Thomas Thompson, Thomas Gruber, R. Doyle Bowman and Janna Gruber—CRM and Public Outreach: A Match Made in NHPA  
2:00 Julie Byrd—Educating Politicians: Outreach and Advocacy Behind the Front Lines  
2:15 Matthew Piscitelli—Out of the Darkness and into the Light: Why CRM Needs to Move Beyond Producing Gray Literature  
2:30 Kye Miller and Jeremy Loven—Curiosity and Collaboration: Interaction with the Tribal Public in Northwestern New Mexico  
2:45 Mason Miller—The Hows, Whys, and Huhs of Archaeology at the Headwaters  
3:00 James Pepe—North Woodlawn Cemetery: CRM and the Legacy of Jim Crow  
3:15 Christine Ames and Ruth Troccoli—Gold Is in the Eye of the Beholder: Public Outreach and Education in Washington, DC  
3:30 Falcia Gordon, Eric Sipes and Linda Derry—Public Outreach and CRM: A Successful Partnership at Old Cahawba Archaeological Park in Dallas County, Alabama  
3:45 Thomas Thompson—It Brings Me No Joy to Tell You All This, but We Actually Found Gold Once: A Discussion of Visitor Engagement Using Historical and Archaeological Interpretation in Alaska Public Lands  
4:00 Caitlin Coleman—Hello from the Other Side: Knowledge Dissemination from CRM Archaeology in Ontario  
4:15 Rebecca Simon—Discussant  

[190] **FORUM** A HOLE IN THE FIELD: ANCIENT MAYA STORAGE TECHNOLOGY  
**Room:** Plaza Room  
**Time:** 2:00 p.m.—4:00 p.m.  
**Moderators:** Maxime Lamoureux St-Hilaire and David Freidel  

**Participants:**  
Jim Aimers—Discussant  
Jaime Awe—Discussant  
Keith Eppich—Discussant  
Brian McKee—Discussant  
Evan Parker—Discussant  
Daniela Triadan—Discussant  
Sheryl Luzzadder-Beach—Discussant  
Chloé Andrieu—Discussant  

[191] **GENERAL SESSION** MAYA EXPRESSIONS, RESISTANCE, AND LANDSCAPES  
**Room:** Golden Gate 6  
**Time:** 2:00 p.m.—4:15 p.m.  
**Chair:** Morgan Clark  

**Participants:**  
2:00 Natalie Bankuti—Emblems of Authority: A Comparison of Preclassic and Classic Maya Inscribed Jade Adornment  
2:15 Morgan Clark—The Ear Ornaments of the Ancient Maya  
2:30 Fabiola Sanchez, Joel Palka and Josuhé Lozada—Women’s Hands in the Rock Art of Mensabak Lake, Chiapas, Mexico: An Approach from the Agency Theory  
2:45 Mallory Matsumoto—Hieroglyphs and Hegemony in the Classic Maya Kingdoms of Piedras Negras and Yaxchilan
3:00  Alexander Safronov—Wars of the Western Maya Kings: Military Conflicts in Lacandon Selva at the Turn of the Seventh to Eighth Centuries
3:15  Ryan Collins—Sensing the Subterranean: Problems and Prospects of GPR Survey at Yaxuná, Yucatan, Mexico
3:30  Graham Goodwin—Mapping the Ancient Maya Soundscape at Palenque through Lidar: A GIS-Based Approach
3:45  Ramon Folch—Identifying Lakam-Tun: A Sixteenth-Century Maya Fortified Site in Lake Miramar, Chiapas, Mexico
4:00  Timothy Hare—Connecting Ceremonial Groups across the Terminal Classic and Postclassic Constructed Landscapes in the Mayapán Region

[192]  FORUM DIVERSE EXPERTISE: ON THE IMPORTANCE OF MULTIVOCALITY AND INCLUSION IN ARCHAEOLOGY (Sponsored by QAIG, COSWA)
Room: Union Square 1
Time: 3:00 p.m.–5:00 p.m.
Moderators: Kirsten Vacca and Katrina C Eichner
Participants:
Peggy Brunache—Discussant
Katherine Chiou—Discussant
Katrina C Eichner—Discussant
Tiffany Fulkerson—Discussant
Albert Gonzalez—Discussant
Sian Halcrow—Discussant
Laura Heath-Stout—Discussant
Catherine Jalbert—Discussant
Nathan Klembara—Discussant
Kylie Tuitavuki—Discussant
Joshua Vallejos—Discussant

[193]  GENERAL SESSION CURRENT RESEARCH IN MEDITERRANEAN ARCHAEOLOGY
Room: Golden Gate 4
Time: 3:00 p.m.–5:00 p.m.
Chair: Dominik Lukas
Participants:
3:00  Rodney Fitzsimons and Matthew Buell—Minoans at Aghios Nikolaos? Preliminary Results of the Khavania Topographical and Architectural Mapping Project
3:15  Robert Tykot and Andrea Vianello—Sources and Distribution of Palmarola Obsidian in the Central Mediterranean during the Neolithic
3:30  Dominik Lukas—The Living Archive of Çatalhöyük (LAC): Providing Big Data Laboratories as Open Environments for Archaeological Research
3:45  Lucyna Bowland, Samuel Martin, Dominique Langis-Barsetti, Joseph Lehner and Nicolle Hirschfeld—A Three-Dimensional Geometric Morphometric Analysis of Iron Oxhide Ingots from the Cape Gelidonya Shipwreck
4:00  Rachel Kulick, Kevin Fisher and Francesco Berna—Geoarchaeology of Terraces and Building XVI at Kalavasos-Ayios Dhimitrios, Cyprus: Evidence for Site Formation and Settlement Activity
4:15  Don Butler, Zachary Dunseth, Yotam Tepper, Guy Bar-Oz and Ruth Shahack-Gross—Agropastoral Resource Management in the Negev Heartland toward the Close of Late Antiquity
4:30  Farrell Monaco—Panem Bonum Fert: The Panis Quadratus as an Archaeologically Defined Cereal Grain Consumption Metric in First-Century Rome
4:45  
Heather Rosch—The View from Below: The Contemporaneous View and Role of the Rural, Marginal Areas of Anatolia during the Ottoman Period

[194]  
**SYMPOSIUM: NEW PERSPECTIVES ON THE LATE INTERMEDIATE PERIOD IN SOUTHERN PERU**  
Room: Golden Gate 8  
Time: 3:15 p.m.–4:45 p.m.  
Chairs: Emily Schach and Donna Nash

Participants:
3:15  
Donna Nash—Postcolonial Moquegua: The Long-Term Impacts of Wari Imperialism
3:30  
Brandon Gay and Paul Goldstein—Walls, Hilltops, and Defense: Exploring Fortification at the Late Intermediate Period Site of Cinto Alto (C8) in Locumba, Peru
3:45  
Tabitha Birtell and Emily Schach—Degenerative Joint Disease of the Spine at the Site of Yaracachi: Considering Labor Practices during the LIP and Late Horizon
4:00  
Lizette Muñoz Rojas, Susan deFrance, Nicola Sharratt, Verónica Rosales Hilario and Alejandra Tazza Ulloa—Plants, Animals, and Pottery: Local and Regional Interaction at Tumilaca la Chimba during the Late Intermediate Period
4:15  
Curran Fitzgerald—Animals and Exchange in the Moquegua Valley during the Late Intermediate Period
4:30  
Emily Schach and Jane Buikstra—Feeding the Dead at Chiribaya Alta: A Comparative Analysis of Mortuary Practices

[195]  
**GENERAL SESSION: ROCKY MOUNTAIN ARCHAEOLOGY AND CURATION**  
Room: Golden Gate 5  
Time: 3:45 p.m.–4:45 p.m.  
Chair: A. Dudley Gardner

Participants:
3:45  
Todd McMahon—Developing a Resilient Colorado Curation Model: The Innovative Solution to Addressing the State’s Collections Care Needs
4:00  
A. Dudley Gardner—A Look at the Formative in Northwestern Colorado: Similarities and Differences in the Cultural Assemblages within the Fremont in the Colorado River Drainage Basin
4:15  
Molly Herron, Madeline Mackie and Todd Surovell—Identification of Fragmented Mammoth Ivory in Archaeological Sites Using SEM Microscopy
4:30  
Rolfe Mandel, Mark Mitchell and Michele Koons—Geoarchaeology of Magic Mountain (5JF223): A Stratified Site on the Front Range of the Southern Rocky Mountains, North-Central Colorado

[196]  
**GENERAL SESSION: HERITAGE AND EDUCATION: NARRATIVES AND COUNTERNARRATIVES**  
Room: Golden Gate 3  
Time: 3:45 p.m.–5:00 p.m.  
Chair: Sandra Lopez Varela

Participants:
3:45  
Sandra Lopez Varela—Mexico’s Heritage through Pixar’s Film Coco
4:00  
Claudia Uribe Chinen—Reinventing the Tradition: Archaeological Heritage and Contemporary Local Counternarratives in Huaca Fortaleza de Campoy (Lima, Peru)
4:15  
Nicholas Ames—Challenging Structured Space at Sea: The Case of Nineteenth-Century Migrants
4:30  
Meredith Langlitz and Ben Thomas—Is There a Place for Mock Digs in Archaeological Outreach?
4:45  
Brian Bates—Improving STEM Competencies via Archaeological Research in the Staunton River Valley: An Introduction
[197] **GENERAL SESSION • CURRENT RESEARCH IN DIGITAL ARCHAEOLOGY: SIMULATIONS AND MODELING**

**Room:** Continental Ballroom 2 & 3  
**Time:** 4:00 p.m.–5:00 p.m.  
**Chair:** Eric Rodríguez-Delgado

**Participants:**
- **4:00** Cecilia Padilla-Iglesias, Claudine Gravel-Miguel and Robert Bischoff—An Agent-Based Model to Explore the Relationship between Archaeological Assemblages, Past Social Networks, and Cultural Dynamics
- **4:15** Alan Farahani and Hanna Grossman—The Use of R Shiny and Other Open-Source Interactive Platforms in Increasing Engagement with Archaeological Research Results
- **4:30** Jonas Gregorio De Souza—Archaeological Expansions in Tropical South America during the Late Holocene: Assessing the Role of Demic Diffusion
- **4:45** Eric Rodríguez-Delgado—Dynamic Coastlines: Modeling the Impacts of the Intertidal Zone Transformation for Puerto Rico during the Mid- to Late Holocene

[198] **GENERAL SESSION • INNOVATIVE RESEARCH IN GEOSPATIAL ANALYSES**

**Room:** Yosemite  
**Time:** 4:00 p.m.–5:00 p.m.  
**Chair:** Mary Mailler

**Participants:**
- **4:00** Mary Mailler and Spencer Mitchell—Innovative GIS Mapping Approaches Further Support Historic Site, Etzanoa, Was Located at the Mouth of the Walnut River, Arkansas City, Kansas
- **4:15** Spencer Lambert and Mark McCoy—How to Catch Fish with a Digital Net: A Geospatial Analysis of Marine Fauna on the Kohala and Kona Coasts, Hawai‘i Island
- **4:30** Katherine Peck, Noa Lincoln and Michael Graves—Soil Nutrient Variability in the South Kohala Field System, Hawai‘i Island
- **4:45** Matthew Brown, Cory Look and Reg Murphy—Precolumbian Mortuary Practices in Antigua