

**85th Annual Meeting of the Society for American Archaeology**  
**Preliminary Session Schedule**

**Wednesday Evening, April 22**

*Sponsored Forum* **PRESIDENT'S FORUM: WHAT IS AT STAKE? THE IMPACTS OF INEQUITY AND HARASSMENT ON THE PRACTICE OF ARCHAEOLOGY**

(SAA President's Sponsored Session)

**Time:** 6:30 p.m.–8:30 p.m.

**Chairs:** Amber VanDerwarker; Maureen Meyers

**Abstract:** Research and reporting on equity and harassment in the academy and across various fields in both public and private sectors reveals the extent of chronic inequalities and significant problematic behaviors in various workplace settings. Groups most negatively affected by these inequities and often illegal behaviors are women, the LGBTQ+ community, and underrepresented racial and ethnic groups. For archaeologists, workplace settings include many locales (offices, labs, classrooms, field sites, conferences) and thus many potential sites for inequity, harassment, and assault to occur. To be clear, this is broad disciplinary issue affecting the very performance of archaeology. In addressing this looming and serious problem, this session brings together a wide range of practicing 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 and perpetrated by different subgroups, effects on professional outcomes, effective training/reporting, resources for survivors). Wherever possible, presenters discuss recommendations at several scales (e.g., individuals, workplaces, field settings, and conferences). We hope that highlighting these issues at the forefront of our annual meeting will make evident that inequity and harassment affects all practitioners and open a dialogue on these issues that continues throughout and beyond the conference itself.

**Participants:** Joe Watkins; Laura Heath-Stout; Kathleen Sterling; Dana Bardolph; Maureen Meyers and Amber VanDerwarker; Lisa Hodgetts, Kisha Supernant, Natasha Lyons and John Welch; Sarah Herr and Susan Stinson

**Thursday Morning, April 23**

*Symposium* **THE PRECOLUMBIAN DOTTED-DIAMOND-GRID PATTERN: REFERENCES AND TECHNIQUES**

**Time:** 8:00 a.m.–9:30 a.m.

**Chairs:** Billie Follensbee; Lois Martin

**Abstract:** Even degraded samples, ceramic impressions, and images of precolumbian textiles may illustrate patterning. The regularity of certain designs suggests that these were specific, named patterns that were shared and meaningful; their appearance on specific garments suggests that they had links to gender, affiliation, and/or status. One familiar pattern found throughout the Americas is a crosshatched lattice with simple motifs at the center of each interstitial space. Sometimes called the "dotted diamond grid," the pattern has been interpreted variously as depicting plots of agricultural land, scutes on a tortoise shell, blossoms in a field, or the dented kernels on a ripe ear of corn. Possible variations of this pattern may include squares, zigzags, V shapes, or triangles. Technical proposals for the manufacture of these designs include weaving, beading, painting, batik, tie-dyeing, and felting with patterned bark beaters. This session considers the "dotted-diamond-grid" pattern, its manufacture, and its meaning among different indigenous American cultures, with the goal of pulling together a fuller, more thorough understanding of the design and to expand recognition of its variations.

**Participants:** Laurie Webster and Kelley Hays-Gilpin; Billie Follensbee; Chantal Huckert; Terry Stocker; Gabrielle Vail; Lois Martin

*General Session* **HISTORIC ARCHAEOLOGY IN THE SOUTHEAST UNITED STATES**

**Time:** 8:00 a.m.–9:30 a.m.

**Chair:** Lori Lee

**Participants:** Muriel Grubb and Charles Ewen; Kevin Wright; Matthew Rooney; Jenna Slatowski and Lori Lee; Lori Lee; Eric Prendergast

*General Session* **ARCHAEOLOGY OF LOWLAND SOUTH AMERICA**

**Time:** 8:00 a.m.–9:45 a.m.

**Chair:** José M. Capriles

**Participants:** Emily Rodgers; Danielle Young, Neil Duncan and John Walker; Clark Erickson and Jedidiah Dale; José M. Capriles, Sergio Calla Maldonado, Hortensia Nina Vargas and Alejandra Aramayo; Jonas Gregorio de Souza; Lucas Bond Reis; José López Mazz and Federica Moreno

*Poster Session* **COMPOSITIONAL ANALYSIS AND MATERIALS SOURCING**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Mary Davis, Lucas Martindale Johnson, Daron Duke, Elsa Carpenter and Lee Drake; Cyrus Hulen and Olivia Navarro-Farr; Spencer Wieland, Donna Nash and Emily Schach; Heather Morrison; Lauren Lazik, Robert Hard, Steven Shackley, John Roney and Paige Hayhurst; Sabrina Pike, Nathan Goodale, Alissa Nauman, Colin Quinn and Anna Prentiss; Erik Martin and Chelsea Karthaus; Danielle Waite, Travis Stanton, Traci Ardren and Brigitte Kovacevich; James McGrath, Brandi MacDonald and Curtis Marean; Holly Cruger; Rachel Whyte, Michael Callaghan and Brigitte Kovacevich; April Johnson and Deborah Nichols; Rachel Johnson and Jason Nesbitt; Brandi MacDonald, Izumi Shimada, Marco Fernandez, Michael Glascock and Ursula Wagner

*Poster Session* **LITHIC STUDIES IN NORTH AMERICA**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Manek Kolhatkar; Kevin Gilmore, Jonathan Hedlund and Bonnie Clark; Dylan Person and Barbara Roth; Lauren Pratt and Anna Guengerich; Donald Blakeslee; Juan Gonzalez, Roseann Bacha-Garza, Christopher Miller and Russell Skowronek; Michael Jeu

*Poster Session* **DIGITAL ARCHAEOLOGY IN MESOAMERICA**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Alexandra Jonassen and Kenichiro Tsukamoto; Marina Lemly, Amy Thompson and Keith Prufer; Eric Fries; Michael McDermott, Jeremy McFarland and Marisol Cortes-Rincon; Sherman Horn, Anabel Ford and Paulino Morales; Anne Sherfield; Dean Blumenfeld; Mikayla Gonzales, Amy Thompson and Keith Prufer; Estevan Ramirez and Kenichiro Tsukamoto; Bailey Gemberling

*Poster Session* **GEOARCHAEOLOGY**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Heather Landazuri and Daniel Sandweiss; Victoria Tew-Todd, Connor Mayhack, Liliana Marin and Steven Forman; Nicholas Bentley; Sarah Rice, D. Craig Young and Daron Duke; Richard Niquette, Bryon Schroeder and Rolfe Mandel; Bryan Kendall and William Whittaker; James Brown, Douglas McFarland, Zach Allen and Steven Hackenberger; Crystal Dozier, Angelina Perrotti and Elayne Rye; Fernando Casal, Timothy Beach and Colin Doyle; Joseph Ferraro, Gary Stinchcomb, William Lukens, Katie Binetti and Steven Forman; Tamara Whitley, David Whitley and Johannes Loubser; Megan LeBlanc

*Sponsored Poster Session* **BEYOND TRIAGE: PRIORITIZING RESPONSES TO CLIMATE CHANGE IMPACTS ON ARCHAEOLOGICAL RESOURCES**

(Sponsored by Committee on Climate Change Strategies for Archaeological Resources)

**Time:** 8:00 a.m.–10:00 a.m.

**Chairs:** Heather Wholey; Carole Nash

**Abstract:** Environmental impacts associated with climate change threaten archaeological resources—documented and undocumented—in all types of settings. Accelerated loss is documented for coastal and interior regions around the world so that archaeologists and preservation planners are now in a position of making difficult decisions about the types of resources and settings that should be prioritized for study. Ideally, this work should be proactive and collaborative, involving a range of stakeholders who can make informed decisions that encompass not only known resources but areas with the potential to yield new

information. This session addresses approaches to prioritization in the face of limited funding and time.

**Participants:** Heather Wholey, Daria Nikitina, Katherin Dowling and Michael Powers; Scott Seibel and Matthew Harris; Carole Nash; Anne Jensen; Tad Britt, David Watt, Kory Konsoer, Mark Rees and Samuel Huey; Chris McDaid, Patrick Barry, Courtney Birkett and Scott Seibel; Alice Kelley, Arthur Spiess and Bonnie Newsom; Anastasia Steffen, Nicholas Jarman and Stephanie Bergman

*Symposium* **THE PALACE OF XALLA AT TEOTIHUACAN**

**Time:** 8:00 a.m.–10:15 a.m.

**Chair:** Linda Manzanilla

**Abstract:** The Xalla palace is located 235 m to the north of the Pyramid of the Sun. Since 1997, I have directed the "Teotihuacan: Elite and Rulership: Excavations at Xalla and Teopanacazco Project." This multifunctional palace may have been one of the seats of power for ancient Teotihuacan: it has an unusually large size in the context of the city, with a surface of approximately 55,000 m<sup>2</sup>. Also, it is not located along the Street of the Dead, but 235 m east from this avenue, providing a sense of privacy; it is isolated by a double wall about 3 m wide that would have allowed watchmen to walk around it. This symposium will deal with the first results of the extensive excavations by Linda Manzanilla from 2000 to 2020; the possible functional sectors; the results of different analyses: archaeomagnetic and radiocarbon dating; lapidary objects, pigments, mica, marine shells, faunal remains, figurines, and ancient DNA.

**Participants:** Linda Manzanilla; Ana Soler-Arechalde, Laura Beramendi-Orosco and Galia González-Hernández; Laura Beramendi-Orosco, Ana Soler-Arechalde, Galia González-Hernández and Linda Manzanilla; Adrian Velazquez, Belem Zúñiga and Norma Valentín; Edgar Rosales; Emiliano Melgar and Reyna Solís; Carlos Puértolas, Maria Luisa Vázquez de Ágredos Pascual and Linda Manzanilla; Rocío Jiménez González

**Discussant:** Takeshi Inomata

*Symposium* **FROM VELD TO COAST: DIVERSE LANDSCAPE USE BY HUNTER-GATHERERS IN SOUTHERN AFRICA FROM THE LATE PLEISTOCENE TO THE HOLOCENE**

**Time:** 8:00 a.m.–10:15 a.m.

**Chair:** Benjamin Collins

**Abstract:** Coastal-focused narratives have dominated our understanding of the behavioral diversity seen in the Late Pleistocene and Holocene archaeological records of southern African during the past 20 years. However, these narratives tend to overlook the persistent presence of hunter-gatherers in diverse landscapes in the interior regions of the continent. Recent fieldwork and research demonstrates the presence of hunter-gatherers in montane, desert, semi-desert, grassland, and riverine environments from at least the Late Pleistocene onward. This session will therefore bring together researchers working across the distinctive environments found within southern Africa to contribute toward a more cohesive understanding of hunter-gatherer landscape use in this region during the past 100,000 years. In this respect, rather than focusing on one biome as a source of innovation, this session will emphasize the presence of hunter-gatherers across southern Africa's diverse environments, and the connections and interactions across these landscapes, as a means to better approach an understanding of the past in this region.

**Participants:** Aurore Val, Paloma de la Peña, May Murungi, Frank Neumann and Dominic Stratford; Ricci Giulia, Val Aurore and Porraz Guillaume; Natasha Phillips, Zenobia Jacobs, Brain Jones and Alex Mackay; Daniela Matos, Manuel Neto, Christopher Miller, Luiz Oosterbeek and Nicholas Conard; Jonathan Haws, Nuno Bicho, João Cascalheira, Mussa Raja and Milena Carvalho; Manuel Will and Nicholas Conard; Gregor Bader, Lyn Wadley, Christian Sommer and Nicholas Conard; Erich Fisher, Shara Bailey, Hayley Cawthra, Irene Esteban and Stephan Winkler; Benjamin Collins, Ayanda Mdludlu, Jayne Wilkins, April Nowell and Christopher Ames

*Symposium* **HEARTH AND HOME IN THE INDIGENOUS NORTHEAST**

**Time:** 8:00 a.m.–10:30 a.m.

**Chairs:** Donald Holly; Gabriel Hrynck

**Abstract:** As ground-zero of domestic life, the house plays a central role in structuring, reproducing, and

remaking society; it is both a mirror of social life and an agent for changing it. As such, an archaeological reckoning with household design, use, variability, and change over time is critical for a holistic understanding of the past. Papers in this symposium document domestic architecture and use, and variability in both in time and space as a springboard for understanding the indigenous history of the broader Northeast.

**Participants:** Robert Goodby; Gabriel Hrynicky; Christian Gates St-Pierre, Jean-Christophe Ouellet and Claude Chapdelaine; Jennifer Birch, Megan Anne Conger, Sturt Manning and Louis Lesage; John Creese; Joseph (Jay) Waller Jr.; William Farley; James Williamson; Donald Holly, Christopher Wolff, James Williamson and Jessica Watson

*Symposium* **BIG IDEAS IN NEW ENGLAND ARCHAEOLOGY: CELEBRATING THE LEGACY OF BRIAN D. JONES**

**Time:** 8:00 a.m.–10:45 a.m.

**Chairs:** Elizabeth Chilton; Kevin McBride

**Abstract:** In this session we celebrate the impact that Brian D. Jones had on New England archaeology, and we explore how some of his self-proclaimed “crazy ideas” can be carried forward in the future. Brian brought a tremendous amount of energy, enthusiasm, creativity, joy, and commitment to his work. Brian received his PhD in anthropology at UConn in 1998. His professional appointments included the Mashantucket Pequot Museum, the University of Connecticut, the Public Archaeology Survey Team, and the University of Massachusetts Amherst. He was the Connecticut State Archaeologist from 2014 until his passing in 2019, and he was affiliated with the Connecticut State Museum of Natural History at UConn. His interests and insights spanned the globe, with a special focus on the peopling of the New World, lithic analysis, and geoarchaeology. His specific contributions to New England archaeology focused on the Paleo-Indian and Archaic periods, and the seventeenth century. Brian was passionately committed to public archaeology, education, and mentoring of the next generation of archaeologists.

**Participants:** Elizabeth Chilton; Daniel Forrest; Zachary Singer; David Leslie and Sarah Sportman; Heather Cruz; Krista Dotzel; Dianna Doucette; Sarah Sportman and Scott Brady; Megan Willison

**Discussant:** Kevin McBride

*Symposium* **ARCHAEOLOGY AND THE HISTORY OF HUMAN-ENVIRONMENT INTERACTION IN THE LOWER BELIZE RIVER WATERSHED**

**Time:** 8:00 a.m.–10:45 a.m.

**Chair:** Eleanor Harrison-Buck

**Abstract:** This organized session presents archaeological investigations in the lower half of the Belize River Watershed. The Belize River East Archaeology (BREA) project was initiated in 2011 and comprises a study area between Belmopan and Belize City that measures roughly 6,000 km<sup>2</sup>. In less than a decade, the BREA team has documented over 100 ancient Maya settlements as well as numerous colonial period archaeological sites within the Belize River Watershed, most previously unrecorded. An overall goal of this interdisciplinary research has been to document changing human-environment interaction through time, specifically examining wetland use in this low-lying coastal zone. As home to the largest inland wetland in the country, this part of Belize is biologically diverse and provides a rich repository of sediments, fauna, and plant remains that offer important proxies for gauging climate change, such as drought, and for understanding the history of human-environment interaction through time. Perhaps not coincidentally, the area shows evidence of thousands of years of continuous occupation, beginning in preceramic times and continuing with ancient Maya and colonial period occupation. This session offers a comprehensive review of these finds.

**Participants:** Eleanor Harrison-Buck; Marieka Brouwer Burg; Mark Willis and Satoru Murata; Samantha Krause, Timothy Beach, Sheryl Luzzadder-Beach, Emely Hernandez and Eleanor Harrison-Buck; Kelin Flanagan, Astrid Runggaldier and Samantha Krause; Lori Phillips, Erin Thornton and Eleanor Harrison-Buck; Satoru Murata and Adam Kaeding; Gabriel Wrobel, Carolyn Freiwald and Eleanor Harrison-Buck; Jessica Craig, Eleanor Harrison-Buck and Astrid Runggaldier; Adam Kaeding and Eleanor Harrison-Buck

*Symposium* **LIFE IS RISKY: HUMAN BEHAVIORAL ECOLOGICAL APPROACHES TO VARIABLE OUTCOMES**

**Time:** 8:00 a.m.–11:00 a.m.

**Chairs:** Kate Magargal; Weston McCool; Carly Whelan

**Abstract:** Every human decision involves an aspect of risk. As such, it is critically important that anthropologists develop a general framework for defining and explaining risk-sensitive behavior. Human behavioral ecology (HBE) has long been interested in understanding the conditions under which individuals should be risk-averse, risk-prone, or risk-indifferent. HBE formally defines risk as probabilistic variance and seeks to explain risk using an explicit cost/benefit framework. As anthropologists and archaeologists continue to incorporate risk into our understanding of human behavior, we believe it is time to present a synthesis of recent HBE research that explores how humans confront variable outcomes. This organized session will highlight current archaeological investigations into risk. Our goal is to provide an explicit—and hopefully consistent—HBE framework for understanding risk and to discuss the ways in which risk-sensitive research has changed over the last several decades.

**Participants:** Weston McCool, Amy Anderson, Joan Coltrain and Douglas Kennett; Christopher Morgan, Gustavo Neme, Adolfo Gil, Miguel Giardina and Christopher Morgan; Alexandra Greenwald; Carly Whelan; Peter Yaworsky; Matthew Pailes and Natalia Martínez-Tagüeña; Kate Magargal; Gregory Burns; Brian Coddling, David Zeanah, Rebecca Bliege Bird and Douglas Bird; Shannon Tushingham

**Discussant:** Douglas Kennett

*Sponsored Symposium* **THE ROCK ART OF TEXAS**

(Sponsored by Rock Art Interest Group)

**Time:** 8:00 a.m.–11:15 a.m.

**Chairs:** Jerod Roberts; Victoria Roberts

**Abstract:** This symposium examines the rock art of hunter-gatherers and farmers, with a geographic focus on Texas and adjacent areas. The region is home to a diverse assemblage of visual expression consisting of pictographs, petroglyphs, and mobiliary art spanning at least 7,000 years. The symposium will cover a broad range of topics, including recording protocols and techniques, theory, interpretation, preservation, education, and the application of rock art data to broader research domains such as mobility, social organization, ritual expression, and human agency.

**Participants:** Christopher Goodmaster; Roger Boren; Tim Roberts; Erika Blecha; Karen Steelman; Elton Prewitt; Victoria Roberts, Jerod Roberts and Richard McAuliffe; Jerod Roberts, Victoria Roberts and Richard McAuliffe; Carolyn Boyd and Ashley Busby; Gary Perez, Joe Tellez, Alfred Alaniz and Janet Ann Stock; Whitney Cox; Kim Cox

*Symposium* **GEOMETRIC MORPHOMETRICS IN ARCHAEOLOGY**

**Time:** 8:00 a.m.–11:15 a.m.

**Chair:** Robert Bischoff

**Abstract:** Geometric morphometrics is the quantitative analysis of shape, form, allometry, and asymmetry. The methods of geometric morphometrics enlist shape outlines or specific landmarks, returning multivariate data for statistical analyses, and a rich suite of visualization tools. Given that a primary goal of archaeology is to observe and study variation in the material record of the past, geometric morphometric methods hold remarkable potential for accomplishing this in an objective and reproducible manner while retaining much of the complexity inherent in the object's shape. The number of archaeological studies that enlist a geometric morphometric approach remains relatively small but is growing rapidly as a testament to the utility of the approach. New software and analytical packages, which include add-ons and updates to existing software, have increased the accessibility of geometric morphometric methods. Coupled with the increased availability of 3D technology, geometric morphometrics promises to be an important and widely used tool for answering sophisticated and elegant questions related to artifact shape. This session aggregates researchers from a variety of geographies and archaeological domains to address theoretical concepts, novel methods, and procedures, and also includes a series of case studies.

**Participants:** Austin Lutterbach; Briggs Buchanan, Danielle Macdonald and Kyleigh Royal; Robert Selden Jr., Michael Shott and Morgane Dubied; Ben Marwick and Pham Thanh Son; Ashley Smallwood, Thomas Jennings, Heather Smith and Charlotte Pevny; Jolyane Saule; David Thulman; Wendy Cegielski; Robert

Bischoff; Caitlin Wichlacz; R. Alan Covey, Robert Selden Jr., Nicole Payntar, Astrid Runggaldier and Charles Spencer; Bonnie Etter, Robert Selden Jr. and Sunday Eiselt

**Discussant:** Bernard Means

***Symposium* 20,000 YEARS UNDER THE GULF: EXPLORING RECENT RESEARCH IN THE GULF OF MEXICO FROM SUBMERGED PALEOLANDSCAPES TO HISTORIC SHIPWRECKS**

**Time:** 8:00 a.m.–11:15 a.m.

**Chairs:** Melanie Damour; Ryan Duggins; Shawn Joy

**Abstract:** As the ninth-largest water body in the world, the Gulf of Mexico has played an important role in human history from migration and colonization to resource extraction, trade, and warfare. Recent marine archaeological research here focuses on a wide array of topics spanning the Paleoindian and Archaic periods through World War II. Groundbreaking discoveries, incorporation of innovative technologies, and development of interdisciplinary studies demonstrate that research in the Gulf of Mexico is driving the field of marine archaeology forward in the twenty-first century. In addition to presenting new, ongoing, and recently completed work, the session will explore the interconnectivity between how natural processes shape, modify, and impact submerged archaeological sites and how the presence of archaeological materials can, in turn, influence the marine environment itself. Here, we examine how 20,000 years of sea-level change, demographic shifts, and colonization have shaped the “Aqua Terra,” or seafloor surface, of the Gulf of Mexico.

**Participants:** Shawn Joy; Ryan Duggins and Heather Walsh-Haney; Nathan Hale, Jessica Cook Hale, Katherine Woo, Jonathan Benjamin and Ervan Garrison; Morgan Smith, Shawn Joy and Andrew Van Slyke; Andrew Van Slyke and Hunter Whitehead; Analise Hollingshead, Tara Skipton, Jayur Mehta, Brian Ostahowski and Theodore Marks; Christopher Horrell, Roberto Junco, Melanie Damour, Frederick Hanselmann and Christopher Horrell; James Delgado, Kyle Lent, Deborah Marx, Joseph Grinnan and Alex DeCaro; Melanie Damour, Douglas Jones, Warren Wood and Leila Hamdan; Amy Borgens; Douglas Jones, Melanie Damour and Jason Chaytor

**Discussant:** James Delgado

***Sponsored Symposium* HALL’S CAVE, TEXAS: GEOARCHAEOLOGY, ARCHAEOLOGY, GEOCHRONOLOGY, AND PALEOECOLOGY**

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

**Time:** 8:00 a.m.–11:15 a.m.

**Chairs:** Joshua Keene; Michael Waters; Thomas Stafford Jr.

**Abstract:** Hall’s Cave, located in central Texas on the western margin of the Edwards Plateau, contains a remarkable geological record extending back to the late Pleistocene. While initial studies in the 1960s–1990s focused primarily on the paleontology of the Pleistocene/Holocene transition, more recent investigations between 2015 and 2019 have revealed a stratigraphic and paleoenvironmental record extending to 20,000 cal yr BP and an archaeological record indicating regular human occupation since 10,500 cal yr BP. Current investigations at Hall’s Cave have brought together a wide spectrum of interdisciplinary research including archaeology, geochronology, paleontology, aDNA, paleoethnobotany, and more to provide a comprehensive environmental and human record for central Texas.

**Participants:** Michael Waters and Thomas Stafford Jr.; Mark Everett; Thomas Stafford Jr., Ernest Lundelius and Michael Waters; Carlos Cordova and William Johnson; Anna Linderholm, Frederik Seersholm, Taryn Johnson, Michael Bunce and Michael Waters; Rickard Toomey and Ernest Lundelius; Donald Esker, Ren Zhang and Steve Forman; Joshua Feinberg; Nan Sun, Alan Brandon, Steven Forman, Michael Waters and Thomas Stafford Jr.; Tyler Laughlin, Joshua Keene and Michael Waters; Joshua Keene

**Discussants:** Britt Bousman; Dennis Jenkins

***Symposium* LIFE IN THE MIDST OF THE QUARRIES: NEW PERSPECTIVES ON QUARRYING AND STONEMWORKING IN THE PREHISPANIC MAYA LOWLANDS**

**Time:** 8:00 a.m.–11:45 a.m.

**Chairs:** Mary Clarke; Celine Gillot

**Abstract:** Judging from the many stone buildings and monuments erected throughout most of the Yucatán peninsula and adjacent regions, stone extraction and production played a significant role in the daily life of the ancient Maya. De facto, stone quarries are one of the most prevalent features identified between, around, and even beneath these buildings and monuments. Yet, despite their ubiquity and the importance of stone resources in Maya society, these quarries have received little attention from archaeologists and the study of the activities undertaken in their limits or surroundings has been largely overlooked. By bringing together researchers that, in recent years, have investigated the primary evidence for quarrying and stoneworking activities in the prehispanic Maya lowlands, this session aims to discuss state-of-the-art and in-progress research, and to stimulate critical insights into this topic. Drawing from case studies that are both spatially and temporally diverse, the papers in this session illustrate the many ways in which Maya quarries can be approached and used as a key indicator for addressing issues on past technology and knowledge, land-use strategies, labor organization, and other social and economic aspects.

**Participants:** Ken Seligson; Celine Gillot; Osiris Quezada and Grégory Pereira; Jason Paling, Rachel Horowitz and Mary Clarke; Leah McCurdy; Dominique Michelet; Julien Hiquet; Alejandra Alonso, Soledad Ortiz, Oscar de Lucio, José Luis Ruvalcaba and Luis Barba; Christopher Carr and Nicholas Dunning; Bosiljka Glumac, Carlos Peraza Lope, Marilyn Masson and Bradley Russell; Jeffrey Brewer and Christopher Carr

**Discussants:** Patricia McAnany; Brigitte Kovacevich

#### *Symposium* **DEVELOPMENTS THROUGH TIME ON THE SOUTH COAST OF PERU**

**Time:** 8:00 a.m.–11:45 a.m.

**Chairs:** Jo Osborn; Alicia Gorman

**Abstract:** The desert region of the south coast of Peru has a rich archaeological past through which important developments of Peruvian prehistory and broader anthropological themes can be studied. Research from Cañete, Chincha, Ica, and Nasca is included in this symposium, spanning from the Early Horizon to the Late Intermediate Period. Early Horizon themes include the organization and function of Tajahuana within a regional context and economic specialization among Topará fishermen at Jahuay. Early Intermediate Period topics include models of exchange during the Paracas-Nasca transition, the manufacture and circulation of Nasca polychrome ceramics, social relations within a civic-ceremonial center in Ica, and spatial and social configuration of communities within an urban settlement in Cañete. The Middle Horizon is addressed through research on symbolic behavior in Nasca household archaeology as well as new findings on Wari colonialism in Nasca. Subjects from the Late Horizon and Late Intermediate Period comprise Chincha ceramics, the relationship between Inca administration and local Cañete practices, and the interaction of Chincha elites with the Inca state. The presenters cover a variety of themes and theoretical perspectives, reflecting the diversity of the archaeology in this area, but are united in their contributions to unfolding the South Coast past.

**Participants:** Sarah Massey; Jo Osborn, Camille Weinberg, Kelita Pérez Cubas and Richard Espino Huaman; Ann Peters; Patrick Carmichael; Christian Cancho Ruiz and Alicia Gorman; Alicia Gorman and Christian Cancho Ruiz; Sarah Kerchusky; Francesca Fernandini; Christina Conlee, Corina Kellner, Chet Walker and Aldo Noriega; Jennifer Larios, Jacob Bongers, Jordan Dalton, Jo Osborn and Camille Weinberg; Jordan Dalton, Colleen O'Shea, Juliana Gomez Mejia and Noemi Oncebay Pizarro; Richard Espino Huaman, Jo Osborn, Camille Weinberg and Brittany Hundman; Rodrigo Areche

**Discussant:** Kevin Vaughn

#### *Sponsored Symposium* **ANIMAL BONES TO HUMAN BEHAVIOR**

(Sponsored by Zooarchaeology Interest Group)

**Time:** 8:00 a.m.–11:45 a.m.

**Chairs:** Abigail Fisher; Brittany Mistretta

**Abstract:** The goal of the session is to reinforce the value of zooarchaeology to problems and questions in archaeology. Faunal remains from archaeological sites are the result of, and largely reflect, human behavior. As such, the papers in this session will use faunal data from various geographic regions and time periods, to explore, understand, and explain human behavior, activity, and decision-making. The papers will provide links between faunal data, human activity and accumulated deposits to explore the range of human adaptation.

**Participants:** John Gorczyk; Amy Nicodemus; Victoria Moses; Erin Crowley; Pam Crabtree and Taylor Zaneri; Richard Redding; Karen Lupo, David Schmitt, Gwen Bakke and Nicolette Edwards; Brittany Mistretta; Abigail Fisher and Lewanne French; Amanda Burt; Jonathan Dombrosky; Christine Mikeska; Nicolas Delsol; Martin Welker and Eréndira Quintana Moranes

*Symposium* **RECONSIDERING THE ARCHAIC PERIOD IN THE AMERICAS**

**Time:** 8:00 a.m.–11:45 a.m.

**Chairs:** Robert Rosenswig; Christopher Wolff

**Abstract:** Since Willey and Phillips defined the Archaic period—as a stage of reduced mobility and intensified resource procurement—it was included in the culture-historical building blocks of sequences across the Americas. The Archaic lead-up to Formative-period sedentary, ceramic-using villagers who laid the stage for “Classic” civilizations. This evolutionary terminology persistently made it into chronologies, even where agriculture was never adopted. This session emerged from conversations between the organizers who work in Newfoundland/Labrador and Mesoamerica. The former region’s Archaic period lasted for 4,000 years, followed by a nonagricultural, non-ceramic stage. In the latter region, it lasted for 7,000 years as a relatively stable adaptation of mixed forager-horticulturalists who then coexisted with ceramic-using villagers for over a millennium. We do not simply criticize existing definitions of what is “Archaic;” instead, we approach the mid-Holocene pattern of reduced mobility and changing resource procurement as worthwhile of comparative study on a hemisphere-wide scale. Rather than discarding the term Archaic, we investigate what value can be found to maintaining it. What defines their beginnings and how do we assess their endings? Are they static or dynamic periods culturally and/or ecologically? Is there anything we can refer to as “Archaic” that transcends regional culture histories?

**Participants:** Christopher Wolff; Amy Fox; Colin Grier and Dori Emerson; María Nieves Zedeño, François Lanoë and Danielle Soza; Jon Lohse, Don Wyckoff and Marjorie Duncan; Danielle Soza; Asa Randall; Kenneth Sassaman; W. James Stemp and Jaime Awe; Robert Rosenswig; Daniel Sandweiss; Patricia Netherly and Tom Dillehay; Douglas Kennett

*Symposium* **STRATIFICATION AND CORRELATION: TOOLS AND TECHNIQUES FOR ARCHAEOLOGICAL CHRONOLOGY**

**Time:** 8:00 a.m.–12:00 p.m.

**Chairs:** Caitlin Buck; Thomas Dye; Keith May

**Abstract:** Stratification and correlation are universally central to constructing site-specific and regional chronologies, yet archaeological practices vary from one part of the world to another. This session brings together scholars working in the Old and New Worlds to discuss the historical development, current state, and future goal of archaeological practice in the excavation, recording, and analysis of stratification at sites, as well as the correlation of strata within and between sites. Potential session topics include: sequence diagrams, including the Harris Matrix; space-time modeling of stratigraphic data; excavation strategies, including single context excavation; chronological modeling for age estimation, including hierarchical Bayesian models; seriation in a variety of archaeological settings; regional practices of correlation; and best practices for replicable and collaborative analyses, including sustainable strategies for large and complex stratigraphic and chronometric data.

**Participants:** Keith May; Adam Rabinowitz, Ryan Shaw and Patrick Golden; David Bibby; Bryony Moody, Caitlin Buck, Gianna Ayalla, Keith May and Tom Dye; Thomas Dye; Charlotte Pearson and Charlotte Pearson; Philippe Lanos and Philippe Dufresne; William Banks and Philippe Lanos; Robert DiNapoli, Timothy Rieth, Carl Lipo and Terry Hunt; Barry Rolett; Takeshi Inomata; James Vint; Caitlin Buck and James Zeidler

**Discussants:** Timothy Rieth; Edward Harris

*Symposium* **ARCHAEOACOUSTICS: SOUND, HEARING, AND EXPERIENCE IN ARCHAEOLOGY**

**Time:** 8:00 a.m.–12:00 p.m.

**Chairs:** Kristy Primeau; Margarita Díaz-Andreu; Tommaso Mattioli

**Abstract:** Sound has always been an omnipresent component of human experience, and recent trends in archaeological inquiry seek to explore the importance of acoustics, instruments, and what was heard in the past. More than a mere channel of communication, sounds, performances, and music conferred



connotations of power, contributed to the formation of identities, and were an important part of all activities, including recreation, aesthetics, and ritual praxis. This session presents case studies in applied archaeoacoustics, psychoacoustics, soundscapes, and archaeomusicology from a variety of scales and cultural perspectives. Defined by Scullin and Boyd (2014:363) soundscapes consist of “all sounds present in any given environment and how these sounds interact within that environment.” Here we consider a variety of archaeoacoustical topics, including: discussions of natural and anthropogenic places which affect the propagation of sound waves; the sonorous landscape; speech intelligibility; theoretical, psychological, and cognitive sonic studies; the conservation and promotion of auditory heritage; and studies of instruments used to produce music and/or signals.

**Participants:** Kristy Primeau; Jonathan Goldner; Raquel Jiménez Pasalodos, Tommaso Mattioli, Laura Coltofean-Arizancu, Andrzej Rozwadowski and Margarita Díaz-Andreu; Leland Bement, Joshua Davis and Kristy Primeau; Peter Boyle and Janine Hernbrode; Dianne Scullin; Jared Katz; Steven Waller; Angela Bellia; Miriam Kolar; Heather Richards-Rissetto, Kristy Primeau and David Witt; Agata Calabrese; Chester Liwosz; Laura Coltofean-Arizancu, Tommaso Mattioli, Gabriel García Atiénzar, Virginia Barciela and Margarita Díaz-Andreu; Tommaso Mattioli, Angelo Farina, Adriano Farina, Elena Miklashevich and Margarita Díaz-Andreu

**Discussant:** David Witt

#### *Symposium* **BEYOND SETTLEMENT SCALING: COMPLEX SYSTEMS IN ARCHAEOLOGY**

**Time:** 8:30 a.m.–12:00 p.m.

**Chair:** Scott Ortman

**Abstract:** The recent discovery of allometric scaling relations in both urban and nonurban contexts that parallel those observed in contemporary urban systems is stimulating a range of approaches that emphasize central concepts in complex systems, including networks, self-similarity, information and energy, growth and emergence. Such discoveries are encouraging researchers to think in new ways about the archaeological record and stimulating new analytical approaches to a number of classic problems. They are also revealing new avenues for exploring the contemporary relevance of archaeology. The papers in this session bring together examples of this work from across the world in the hope of stimulating further development of complex systems approaches in archaeology.

**Participants:** Erick Robinson, Scott Ortman, Grant Coffey, Jacob Freeman and Robert Kelly; Marcus Hamilton and Briggs Buchanan; Sarah Klassen and Alyssa Loyless; David Sandeford and José Lobo; Zachary Cooper and Scott Ortman; John Hanson; Tim Kohler and J. Daniel Rogers; Scott Ortman, Claire Ebert, Amy Thompson, Michael Smith and Robert Rosenswig; Michael Smith, Qitian Hu, Timothy Dennehy, Angela Huster and Luis Bettencourt; Evan Giomi and Barbara Mills; Jacob Freeman, Darcy Bird, Erick Robinson, José Capriles and Judson Finley; Stefani Crabtree and Jennifer Dunne

**Discussant:** Luis Bettencourt

#### *Symposium* **CELEBRATING 20 YEARS OF SUPPORT: CURRENT WORK BY THE RECIPIENTS OF THE DIENJE KENYON MEMORIAL FELLOWSHIP FOR ZOOARCHAEOLOGISTS**

**Time:** 9:00 a.m.–11:30 a.m.

**Chair:** Todd Koetje

**Abstract:** For 20 years, the Dienje Kenyon Memorial Fellowship has been awarded to women early in their graduate education with a focus on zooarchaeology. It is competitive, international in scope, and unbounded by time or cultural focus. The fellowship is unique in that it is the only SAA award specifically supporting women researchers, the only award for students early in their graduate study, and one of the few awards available anywhere that aims at developing an archaeological subdiscipline. While such an award may be considered risky, Dienje knew full well the hurdles faced by women at this stage of their career, and was set on providing support. The fellowship has been given to scholars from around the world conducting research on diverse topics and cultures through the lens of zooarchaeological analysis. In testament to their hard work, most of the 19 award recipients have continued in archaeology and many have completed PhDs and embarked on successful careers as zooarchaeologists. This symposium is organized specifically to highlight the success and current research of award recipients over the last 20 years.

**Participants:** Ashleigh Rogers and Marshall Weisler; Ashley Sharpe; Arianne Boileau; Carla Hadden and Suzanne Pilaar Birch; Katie Tardio; Briana Pobiner, Laurence Dumouchel and Jennifer Parkinson; Michelle LeFebvre, Jessica Oswald, Julie Allen, David Steadman and Robert Guralnick; Sarah MacIntosh, Levent

Atici and Sachihito Omura; Allison Wolfe; Weronika Tomczyk and Nathan Acebo

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

**Time:** 9:00 a.m.–11:30 a.m.

**Chair:** Scott Macrae

**Abstract:** From Myanmar to Vietnam, Southeast Asia encompasses a deep history with a wide set of cultures. Over the last few decades, archaeological research in this area has experienced significant advancements in terms of theoretical approaches, methodological developments, and archaeological discoveries. New and continuing scholars and field projects have been substantially contributing to an evolving archaeological dataset. In an endeavor to present the rapidly changing state of archaeological discourse, a collection of scholars will discuss the progression and findings of research within their areas of interest. In this fashion, a diversity of topics will be presented from recent archaeological fieldwork throughout Southeast Asia. This will also assist in a continued effort to encourage a flourishing community of developing and established scholars.

**Participants:** Gyles Iannone, Pyiet Phyo Kyaw and Scott Macrae; Scott Macrae, Gyles Iannone, Kong Cheong, Nyein Chan Soe and Naing Soe; Mitch Hendrickson, Stéphanie Leroy, Enrique Vega, Kaseka Phon and Quan Hua; Kendall Hills; Andrew Harris; David Brotherson; Tiago Attorre and Sarah Klassen; Francis Allard and Lauren Glover

**Discussant:** Roland Fletcher

*Symposium* **PEOPLE AND SPACE: DEFINING COMMUNITIES AND NEIGHBORHOODS WITH SOCIAL NETWORK ANALYSIS**

**Time:** 9:00 a.m.–11:45 a.m.

**Chairs:** Adrian Chase; April Kamp-Whittaker

**Abstract:** Archaeological applications of Social Network Analysis (SNA) inherently have a strong spatial component. Material culture exists in space, and the identification and distribution of these materials facilitates the creation of spatially located networks. Archaeology can contribute to the broader field of SNA through the creation and application of spatial SNA methods. Conversely, SNA may also be a powerful tool in the identification or reconstruction of neighborhoods and communities in the past through its ability to identify linked groups. This intersection means that SNA can provide powerful techniques to help archaeologists determine the presence and extent of different communities, as well as assess interactions within and among those communities. SNA can draw on artifact exchange systems, methods of production, or documentary sources to identify links between different nodes in networks of interaction. These data can then be used to reconstruct social networks. This session presents several papers from multiple regions focused around the application of SNA to identify discrete communities or neighborhoods. Interest in SNA as a tool to interpret archaeological evidence has been increasing dramatically, as has interest in identifying communities and neighborhoods. This application of SNA research is an open avenue of applicable research with potential utilization beyond archaeology.

**Participants:** Adrian Chase; Jessica Vavrsek and John Hart; Neill Wallis and Thomas Pluckhahn; Amy Thompson, Luis Pacheco-Cobos, Estrella Chévez and Keith Prufer; Elliot Blair; April Kamp-Whittaker; Matt Peeples; Jessica Munson; Mark Golitko

**Discussant:** Barbara Mills

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

**Time:** 9:00 a.m.–12:00 p.m.

**Chairs:** Adam Burke; Nathaniel Kitchel

**Abstract:** As instruments suitable for the geochemical characterization of lithic raw materials have proliferated, so too has the application of these methods to a larger number of types of stone. While the wider availability of these instruments holds promise for lithic characterization, this opportunity is not without hazards. As lithic sourcing studies move beyond the characterization of (relatively) geochemically homogeneous materials such as obsidian, to include materials with more complex lithologies including

coarse grained volcanic materials and siliceous sedimentary rocks such as chert, a “one size fits all” approach will produce spurious results. This is not to suggest that the characterization of such materials is intractable but rather that archaeologists must approach each material with methods and strategies appropriate to the geologic history of the material(s) being studied. This approach often requires close cooperation with geologists and geochemists. The presentations in the session highlight “geology first” approaches to lithic characterization through individual case studies demonstrating methods to successfully (or not) approach geologically complex raw materials.

**Participants:** Ross Owen; James Dunbar and Jessica Cook-Hale; Khori Newlander; Paul Fernandes, Vincent Delvigne and Jean-Paul Raynal; Angela Gore; Adam Burke; Charles Speer, Kateea Peterson, Charles Speer and John Dudgeon; Ryan Parish and Brian Rowe; Nathaniel Kitchel; Marta Sánchez de la Torre, Xavier Mangado, François-Xavier Le Bourdonnec, Bernard Gratuze and Mathieu Langlais; Matthew Boulanger

**Discussant:** Jeffrey Ferguson

**Forum WOMEN IN SAA: ISSUES FOR THE NEW MAJORITY**

**Time:** 10:00 a.m.–12:00 p.m.

**Moderator:** Alice Kehoe

**Abstract:** SAA’s Albuquerque meeting jolted us with hurdles faced by women. Neither SAA nor AAA require members to identify as men or women, so we estimate, from voluntary identifications and numbers visible at meetings, that women appear to be half the membership of SAA—the tipping point. Will women predominate in archaeology? Will the profession become a “pink ghetto” with wages and prestige falling? What issues concern women in SAA? More archaeology PhDs are earned by women, but women remain 20% of tenure-track academia. Spousal hires and childcare slowly move from women’s domain. Fewer women appear to be submitting to journals; more are teaching in institutions without research support. Fewer women get funding for field projects; instead, women are funded for lab work. Women-owned small businesses are common in CRM. Some women challenge conventional models and regional and disciplinary boundaries: does this marginalize them? These are structural issues, sexual harassment being one among them. An “archaeologist” is no longer a man whose wife frees him from domestic responsibilities. We see couples pushing strollers through the meetings, both spouses presenting papers. What can SAA do to level the playing field and lessen stress felt by players?

**Discussants:** Susan Chandler; Anabel Ford; Bonnie Pitblado

**Forum COLLABORATIVE VIRTUAL SURVEY IN THE ANDES: THE GEOSPATIAL PLATFORM FOR ANDEAN CULTURE, HISTORY, AND ARCHAEOLOGY**

**Time:** 10:00 a.m.–12:00 p.m.

**Moderators:** Steven Wernke; Parker VanValkenburgh

**Abstract:** This forum will present preliminary results from the GeoPACHA project, the Geospatial Platform for Andean Culture, History and Archaeology, in a highly interactive format. GeoPACHA is a browser-based, edited geospatial platform for discovering and mapping archaeological sites in the Andean region of South America. It is designed to facilitate the identification of archaeological sites through “virtual survey” of satellite and aerial imagery and consists of a simple browser-based interface that enables users to visually scan imagery and plot the locations of archaeological sites to a central GIS database using point themes. Project members are completing team-based survey projects during the fall and winter of 2019 and this forum will serve as an opportunity for them to solicit explicit feedback from colleagues about preliminary conclusions. Discussions will also consider the ethics and politics of virtual survey and the reframing of “communities” and “publics” in the context of continental-scale archaeological work.

**Discussants:** Scotti Norman; Giancarlo Marcone; Lauren Kohut; Douglas Smit; Edward Swenson; Elizabeth Arkush; Sofia Chacaltana-Cortez; Giles Spence Morrow; Veronica Ikeshoji-Orlati

**Symposium COMPARING AQUATIC AND TERRESTRIAL TRANSPORT SYSTEMS IN ANCIENT CIVILIZATIONS**

**Time:** 10:15 a.m.–12:00 p.m.

**Chairs:** Adam Green; Toby Wilkinson; Darryl Wilkinson

**Abstract:** Moving goods over land requires the constant input of metabolic energy from humans or animals. Waterborne transport is very different. Although transportation over water is not without cost, horizontal friction is reduced by many magnitudes—substantially more than human- or animal-portering or even wheel-based terrestrial transportation. Aquatic surfaces are often enhanced by free-flowing energy in the form of wind, currents, or downhill flows; and buoyancy obviates the weight of waterborne vessels, allowing large quantities of goods to be moved at little cost. Archaeologists in different parts of the world have long been aware of the importance of aquatic and terrestrial transport systems. For instance, in the Inca case, we find an imperial polity operating with virtually no navigable rivers and limited opportunities for aquatic transport. Whereas in ancient Egypt, a riverine transport system runs north-to-south, and terrestrial networks are necessary to move goods from east and the west. In other regions, like Amazonia or the Mediterranean, rivers or sea-networks promote transport links in virtually all directions. There remains little comparative analysis on how ancient polities have relied to variable degrees on aquatic and terrestrial transport systems. Papers are invited to examine this issue and begin developing a global, comparative framework.

**Participants:** Toby Wilkinson, Darryl Wilkinson and Adam Green; Adam Green, Darryl Wilkinson and Toby Wilkinson; Helina Woldekiros; Michelle de Gruchy; Meghan Howey and Dylan Kelly; Jeffrey Glover and Dominique Rissolo

**Discussant:** Vernon Scarborough

*Poster Session* **MESOLITHIC, NEOLITHIC, CHALCOLITHIC**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Kai Su; Iride Tomazic; Corinne Watts; Celia Goncalves, Claudia Umbelino, João Cascalheira, Lino André and Nuno Bicho; João Cascalheira, Celia Goncalves, Lino André and Nuno Bicho; William Ridge

*Poster Session* **BRONZE AGE AND IRON AGE ARCHAEOLOGY**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Neal Payne; Victoria Priola, Margaret Beck, Luis Benítez de Lugo and Katina Lillios; Katherine Pompeani; Jada Langston, Colin Quinn, Lacey Carpenter and Horia Ciugudean; Gligor Dakovic; Vivienne Hayes, Colin Quinn, Jess Beck and Horia Ciugudean; Emily Zavodny, Dalibor Šušnjic, Tatjana Kolak and John Krigbaum; Alexander Smith, Linda Gosner, Jessica Nowlin, Seth Price and Catalina Mas-Florit; Jacob Cook, Nicholas Herrmann and Krysten Cruz; Sophia Barrett, Samantha Mackertich and Kathryn Baustian; Christopher Stevenson; Sara Berumen, Meredith Chesson and Susan Sheridan; Qi Meng; Yufeng Sun, Xinyi Liu, Rachel Reid, Zhijun Zhao and Jixiang Song; Tomos Evans

*Poster Session* **PALEOLITHIC ARCHAEOLOGY**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Cindy Hsin-yee Huang; Paul Thacker; Frederick Coolidge and Victoria Rowe; Aylar Abdolahzadeh, Dennis Sandgathe, Deborah Olszewski and Shannon McPherron; Benjamin Utting; Grace Ellis, Jonathan Haws, Michael Benedetti and Lukas Friedl; Juliana Rubinatto Serrano and Paul Thacker; Zachary Boal and Paul Thacker; Lauren Franklin, Jay Franklin and Jean-Philippe Rigaud; Jordan Durham, Elizabeth Hagan and Amanuel Beyin; Ran Chen and Yue Wu; Trenton Holliday, Christelle Lahaye, Maxime Pelletier, Brice Lebrun and Guillaume Guérin; Milena Carvalho, M. Grace Ellis and Jonathan Haws; Paul Nick Kardulias, Konstantinos Trimmis, Stavros Paspalas, Lita Tzortzopoulou-Gregory and Timothy Gregory; Amy Oechsner, Nicholas Conard and Simone Riehl

*Poster Session* **ARCHAEOLOGY AT WAY RANCH: A DIVERSITY-SERVING FIELD SCHOOL**

**Time:** 10:30 a.m.–12:30 p.m.

**Chair:** Ashley Lemke

**Abstract:** Accessible field schools are paramount for training a diverse group of future archaeologists. The Way Ranch field school, associated with the University of Texas at Arlington, was awarded a Field School Diversity Award by the Society for Historical Archaeology in 2018. Way Ranch is a multicomponent archaeological site in central Texas. Historic occupations represent some of the earliest European settlement in the region and are characterized by distinctive whiteware pottery, clay pipes, and metal tools. Way Ranch

has both a rockshelter and open-air components. For the last three years, field school research has focused on the extensive middle and late Archaic occupations and associated lithic material. Posters present aspects of method and theory; presenting what has been learned about the site, its prehistoric inhabitants, and its implications for other times and places. Each poster is coauthored by one of the field school teaching assistants and two undergraduate field school students. Teaching assistants at Way Ranch represent both academic archaeology and cultural resource management—exposing students to a wide variety of career options.

**Participants:** Phylcia Way, Abigail Key and Jessica Smith; Jennifer Anderson, Natalie Bauman and Madison Roberts; Brendan Nash, Michael Rivera and Miranda Berry; Alanis Ramos Berrios, Beatrice Lozano and Robert Lassen; Yu-chao Zhao, Justin Jones and Thomas Schloeman

*Poster Session* **HUMAN ORIGINS MIGRATION AND EVOLUTION RESEARCH CONSORTIUM**

**Time:** 10:30 a.m.–12:30 p.m.

**Chairs:** Jayde Hirniak; Hannah Keller

**Abstract:** The Human Origins Migration and Evolution Research (HOMER) Project is a collaborative effort that seeks to understand the emergence of human uniqueness. The last 100,000 years have witnessed the extinction of many species in the genus *Homo*, while *Homo sapiens* have undergone an unprecedented and successful global expansion. The biological, social, cognitive, and environmental factors behind this event has been the focus of archaeological and paleoanthropological research. To understand the origins of these behaviors, the HOMER Project built a large-scale research model, one that can compare *Homo sapiens* and sister species through a multiproject, transcontinental research collaboration. All project members share a standardized field and lab methodology to generate a highly effective comparative analysis. HOMER uses data collected at archaeological sites in Italy, Malawi, and South Africa to examine the questions of when and how *Homo sapiens*' unique adaptations arose. In this symposium, HOMER students will present research conducted at these sites, involving archaeoinformatics, zooarchaeology, biological archaeology, and lithic analysis.

**Participants:** Kelsey Radican, Alejandra May, Jennifer Miller, Jessica Thompson and Elizabeth Gomani-Chindebvu; Annalys Hanson, Jessica Thompson, Jessica Cerezo-Román, Jay Stock and Elizabeth Gomani-Chindebvu; Hannah Keller, Fabio Negrino, Naomi Cleghorn and Jamie Hodgkins; Brian Fahey, Kelsi Stroebel, Olivia Boss and Curtis Marean; Peyton Carroll, Miles Martin, John Murray and Curtis Marean; Miles Martin, John Murray, Jacob Harris and Curtis Marean; John Murray, Scott Keohane and Andrew Zipkin; Horacio Cabadas, Kelsi Stroebel, Claudine Gravel-Miguel and Jayde Hirniak

*General Session* **INAA ANALYSES IN CENTRAL AND NORTH AMERICA**

**Time:** 11:00 a.m.–12:00 p.m.

**Chair:** Dawn Crawford

**Participants:** Dawn Crawford, Michael Callaghan, Daniel Pierce, William Gilstrap and Brigitte Kovacevich; Leah Minc, Marcus Winter and Cira Martínez López; Sarah Breault, Jeffrey Blomster, Daniel Pierce and Michael Glascock; Ana Navas

**Thursday Afternoon, April 23**

*Symposium* **LATE PALEOINDIAN LIFEWAYS AND PALEOENVIRONMENT IN THE TEXAS BIG BEND**

**Time:** 1:00 p.m.–2:15 p.m.

**Chair:** Richard Walter

**Abstract:** Since 2010, recurrent archaeological, geoarchaeological, and paleoenvironmental investigations have been conducted at the Genevieve Lykes Duncan Site (GLD), a deeply buried multicomponent site containing stratified Late Paleoindian deposits. Data obtained during these investigations indicate that the Late Paleoindian occupants of the GLD site adapted early on to xeric conditions similar to that of today's Chihuahuan Desert during the Early Holocene. This adaptation to dryer conditions at the GLD site is most apparent in the incipient development of earth oven technology and tentatively constitutes the oldest known use of earth ovens in North America. Results of other paleoenvironmental data indicate that the nearby riparian zone of Terlingua Creek was much more robust as compared to today and no doubt offered a diverse suite of plant and animal resources. This resultant mix of both xeric and mesic biotic resources,

coupled with the high availability of distinct raw material types of source areas at and near the GLD site, accounts for the unique character of Late Paleoindian deposits there. The results of excavations and attendant analyses will be presented.

**Participants:** Richard Walter and Andy Cloud; Charles Frederick; Thomas Hart, Arlene Rosen and Richard Walter; Kenneth Brown

**Discussant:** Stephen L. Black

*Symposium* **INDIGENOUS ARCHAEOLOGY, THE SEVENTH GENERATION**

**Time:** 1:00 p.m.–2:30 p.m.

**Chair:** Emily Van Alst

**Abstract:** This symposium will highlight up and coming indigenous scholars work within the growing paradigm of indigenous archaeology. Though archaeologists have begun to adopt and include indigenous practices in the field of archaeology, only recently have indigenous people begun to include their own cultural methods and practices as archaeologists. Growing on the foundational work of scholars such as Joe Watkins and Sonya Atalay, this symposium will be a discussion of the future directions of indigenous archaeology.

**Participants:** Carlton Gover and Emily Van Alst; Wade Campbell, Davina Two Bears and Timothy Wilcox; Ashleigh Thompson; Lydia Curliss; Zoe Eddy; Nicholas Laluk and Robert Preucel

*Symposium* **NEW INSIGHT INTO THE QIN TERRACOTTA ARMY AND EARLY IMPERIAL CHINA**

**Time:** 1:00 p.m.–2:30 p.m.

**Chairs:** Xiuzhen Li; Andrew Bevan

**Abstract:** Recent archaeological discoveries about both the Terracotta Army and Qin period China more generally are revolutionizing our view of this early phase of the empire. This session provides a fresh opportunity to combine material and written evidence for artistic developments, technological know-how, ritual practices, individual behavior and state-level organization, with a view to understanding how these all offer insight into early imperial China. We expect the communication fostered by this session also to facilitate new methodologies and theoretical frameworks with relevance to our understanding of the Terracotta Army and Qin Shi Huang mausoleum complex itself, to wider trends in Chinese archaeology, to the wider study of major changes across Eurasia in the first millennium BCE and to other archaeologists studying early complex societies.

**Participants:** Xiuzhen Li, Andrew Bevan, Yin Xia and Marcos Martín-Torres; Marcos Martín-Torres, Xiuzhen Li, Yin Xia, Agnese Benzonelli and Andrew Bevan; Kin Sum Li; Yaxiong Liu, Marcos Martín-Torres and Kunlong Chen; Sihong Zhu

**Discussant:** Andrew Bevan

*Sponsored Forum* **TRIUMPHS, CHALLENGES, AND POSSIBILITIES IN HERITAGE EDUCATION**

(Sponsored by The Heritage Education Network [THEN])

**Time:** 1:00 p.m.–3:00 p.m.

**Moderators:** Eleanor King; Bonnie Pitblado

**Abstract:** One of The Heritage Education Network's core goals is "to provide a forum and network for practitioners, professional educators, and the public to communicate and collaborate about heritage education." Toward that end, this session offers an opportunity for panel members and the audience to share their recent successes and challenges in heritage education. We hope that all will leave the forum invigorated and inspired by our collective accomplishments, and just as importantly, with concrete solutions to the challenges we face as we enter a new decade.

**Discussants:** Allison Douglas; A. Gwynn Henderson; Michele Koons; Rebecca Simon; LaMarise Reid; Ian Thompson

*Forum* **FOSTERING COLLABORATIVE PARTNERSHIPS WITH TRIBES: A DIFFERENT WAY OF THINKING**

**Time:** 1:00 p.m.–3:00 p.m.

**Moderator:** Richard Estabrook

**Abstract:** Since the landmark 1992 revisions to the National Historic Preservation Act, tribal representatives, academic archaeologists, cultural resource practitioners, and agency personnel have struggled with tribal consultation, the identification of tribal resources, and the participation of tribal cultural specialists in the site identification and evaluation process. Our panelists are all working at the leading edge of an effort to rethink past approaches and provide an outline moving forward by fostering collaborative partnerships between tribal practitioners and archaeologists. Each brings a unique perspective and experience to the practical applications of building America's renewable energy infrastructure. As the world's largest generator of renewable energy, NextEra Energy has found that the earlier they engage with Tribes to understand where sensitive resources are located, the easier and less costly it is to make the changes necessary to avoid these locations. Tribes have demonstrated on multiple projects that many sites of religious and cultural significance to the Tribes are not adequately identified or evaluated by professional archaeologists. All tribally identified resources are important cultural sites, and we are working to develop best-practices to identify and physically avoid these locations in project design and construction, where feasible.

**Discussants:** Carolyn Stewart; Jon Eagle; Dianne Desrosiers; Jeremy Freeman; Melinda McCarthy; Paige Olson; Stephen Sabatke

*Symposium* **ARCHAEOLOGICAL APPROACHES TO TECHNOLOGIES IN EAST ASIAN ARCHAEOLOGY**

**Time:** 1:00 p.m.–3:00 p.m.

**Chair:** Rowan Flad

**Abstract:** Technologies form an important foundation for social interactions, institutions, and practices. Broadly construed, technologies are those traditional, effective acts that create a system that ties together a variety of interrelated forces, affordances, practices, and beliefs. As such, we should consider all manner of practices through the lens of technology as a means to understand past social organization. This session considers a wide range of topics in the study of East Asian archaeology—from subsistence technology, through craft technology, to music, landscape, and other forms of technological practice—and through their juxtaposition makes an argument for a broad understanding of technology and its impact.

**Participants:** Yahui He; Chong Yu; Shaodong Zhai, Guitao Tang, Wei Ge, Wanfa Gu and Qian Wu; Jiajing Wang; Li Haichao; Wenjie Zhang; Kasper Hanus

*Symposium* **ARCHAEOLOGISTS SPEAK: OUR MOST CRITICAL INSIGHTS**

**Time:** 1:00 p.m.–3:00 p.m.

**Chairs:** Sarah Kurnick; Chelsea Fisher

**Abstract:** Archaeology undoubtedly produces insights worth sharing—insights that can change how we think about the human past, present, and future. For a variety of reasons, however, our best ideas are often buried in academic journals, expensive edited volumes, and presentations at members-only conferences. Our most critical contributions are thus usually inaccessible to all but a few. What if we archaeologists presented our ideas differently? Could twenty-first-century methods of communication change not only how we communicate but why and with whom? In the past few years, short video presentations have emerged as a popular format for expressing singular and powerful ideas in a compelling, narrative style. These presentations are both informative and personal. They impart unique ideas, include transformational moments, and touch on universal themes. What if archaeologists mastered these kinds of presentations? What insights would we share? With these ideas in mind, this symposium asks each participant to present in an accessible, narrative style the single most powerful insight that has emerged from his or her experiences as an archaeologist. This is an invitation for experimentation as we explore a more forward-looking approach to sharing our critical insights about humanity, with humanity.

**Participants:** Bonnie Clark; Matt Liebmann; Sarah Kurnick; Payson Sheets; Chelsea Fisher; Brian Fagan; Amanda Logan; Timothy Pauketat

*Symposium* **ART STYLE AS A COMMUNICATIVE TOOL IN ARCHAEOLOGICAL RESEARCH**

**Time:** 1:00 p.m.–3:30 p.m.

**Chairs:** Jesse Nowak; Frank Reilly; Adam King

**Abstract:** Mesoamerican scholar Linda Schele often said for those who study ancient cultures, their primary focus should be reviving the voices of the people who created those cultures. In this symposium, we recognize that the many cultures of Native North America, which lacked formal writing systems but often have sophisticated identifiable art systems. Within these systems, elements of style functioned as a form of communication. As a diagnostic category of art, style is best understood as the formal qualities of a work of art that link it to other works of art. Over the last 40 years, several major Southeastern art styles such as Braden, Craig, and Holly Bluff have been identified through stylistic analysis. Within these papers, stylistic origins, groupings, and functions will illustrate the many systems of Native American styles that developed over time and across geography. When these artistic systems are grouped into their various stylistic components, they function to reanimate the voices of the past. Examining visual style with archaeological information can reveal, almost audibly, the ideological systems and cosmological beliefs of their ancient North Americans creators.

**Participants:** Carol Diaz-Granados and James Duncan; Frank Reilly; Bobi Deere and Jesse Nowak; John Stauffer; Erin Phillips; Paige Ford and Shawn Lambert; John Wilhite; Theodore Kmiec; Adam King and Johann Sawyer; James Brown

*Symposium* **REGIONAL SETTLEMENT NETWORKS ANALYSIS: A GLOBAL COMPARISON**

**Time:** 1:00 p.m.–3:30 p.m.

**Chairs:** Marco Nebbia; Roland Fletcher

**Abstract:** Settlement networks express the nature of human interactions across vast regions. Over the past 20,000 years, human settlement behavior has seen several nonlinear major transitions from mobile hunter-gatherer networks, to sedentary communities, to urban societies. Through the lens of a global comparison we aim to identify shared trajectories and global patterns, beyond chronological and spatial constraints by analyzing comparable traits such as site size, settlement density, settlement network size, and intensity. Regional models that range across those major transitions can be contextualized within a comparative framework thus aiming at bridging the gap between global and regional-local scales of interaction. Specific factors in the emergence of networks varied across space and time. Comparing different outcomes might inform us about the factors influencing the duration and continuities of those networks. Bringing together quantitative methods and new theoretical frameworks has the potential to shed new light on the nature of human settlement behavior in extensive regions, over long time spans.

**Participants:** Michael Frchetti, Edward Henry and Ann Merkle; Marco Nebbia; Manuel Fernandez-Gotz; Tom Moore; Cameron Petrie and Adam Green; Phacharaphorn Phanomvan; Francesca Fulminante, Luce Prignano, Sergi Lozano and Ignacio Morer; Andrew Bevan; Roland Fletcher

**Discussant:** Scott Ortman

*Symposium* **WHOSE HISTORY IS IT ANYWAY? ARCHAEOLOGICAL COLLECTIONS AND THE PROBLEM OF INSTITUTIONAL CONTROL**

**Time:** 1:00 p.m.–3:45 p.m.

**Chairs:** Jayne-Leigh Thomas; Krystiana Krupa

**Abstract:** Exclusive institutional control of archaeological materials and information derived from them is a dominant concern in any project involving collections associated with descendant communities. Activities conducted under the aegis of NAGPRA, in particular, illuminate how tribal nations often must rely overwhelmingly on one-sided institutional interpretations to determine what materials (remains, items, and associated documents) may be of interest. Although NAGPRA has many obvious benefits, case studies show that pertinent evidence—including field and lab records, maps, and similar documents—are sometimes selectively kept from (or even misrepresented to) indigenous communities. While arguably not all missing or misrepresented data are excluded or distorted deliberately, their absence or inaccuracy still can create false narratives and incorrect perceptions about the individuals and objects represented in NAGPRA collections. This session presents examples of both helpful collaborations and cautionary tales of interactions between institutions and tribal nations. Because it can be argued that much research involving American Indian



collections is not ethical research if it is not collaborative, this session focuses on positive strategies for involving relevant communities in substantive ways that help both tribes and institutions navigate future NAGPRA and other archaeological projects.

**Participants:** Rebecca Hawkins and Julie Olds; David Barland-Liles; Karen Brunso; Jayne-Leigh Thomas, Rebecca Hawkins and Krystiana Krupa; Andrea Hunter; Franklin Chavez; Krystiana Krupa; Lourdes Henebry-DeLeon and Angela Neller; Angela Neller and Lourdes Henebry-DeLeon

**Discussant:** C. Timothy McKeown

**Symposium SOCIAL ARCHAEOLOGY IN THE NORTH AND NORTH ATLANTIC (SANNA 3.0): INVESTIGATING THE SOCIAL LIVES OF NORTHERN THINGS**

**Time:** 1:00 p.m.–4:00 p.m.

**Chairs:** Kevin Smith; Michele Hayeur Smith; Elie Pinta

**Abstract:** For 40 years, the archaeology of the North and North Atlantic has become increasingly productive. Interdisciplinary work grounded in environmental archaeology has crosscut local, national, and regional boundaries to produce significant advances in methodology, collaborative practice, and human-ecodynamic interpretations. However, studies of Northern material culture have been less transformative and often remain limited by regional, period-specific, or material-specific intellectual traditions that relegate objects to the category of “small finds” and to studies that focus primarily on functional, chronological, or typological analyses. SANNA is a project bringing together northern archaeologists interested in looking beyond the immediate or visible characteristics of material culture. SANNA 3.0 focuses on the creation, use, meaning, interpretation, discard, and/or reuse of “portable artifacts”: items smaller than architecture or landscapes that not only create intimate bonds in domestic contexts but also link humans, animals, and nonhuman worlds in various ways and at diverse social scales. The presentations in this symposium not only look at how objects circulated, were used, and had social meaning in the past but also at how they gain new social lives when we, as archaeologists, and others—including descendant communities and the public—encounter them again and give them new meanings.

**Participants:** Elie Pinta; Lísabet Guðmundsdóttir; Aliosha Bielenberg, Charles Steinman, Soumen Mallick and Michele Hayeur Smith; Michele Hayeur Smith; Neil Price; Kevin Smith and Guðmundur Ólafsson; Véronique Marengère, Kevin Smith and James Woollett; Karen Ryan, Elsa Cencig, Susan Lofthouse and Tommy Weetaluktuk; Cameron Turley, Aká Bendtsen and Wendi Coleman; James Woollett and Héloïse Barbel; William Fitzhugh, Michael Mlyniec and Igor Chechushkov

**Symposium ETRUSCAN CENTRALIZATION TO MEDIEVAL MARGINALIZATION: SHIFTS IN SETTLEMENT AND MORTUARY TRADITIONS AT SAN GIULIANO, ITALY**

**Time:** 1:00 p.m.–4:00 p.m.

**Chair:** Colleen Zori

**Abstract:** We present the first four seasons of archaeological work at San Giuliano, a multicomponent site in Lazio, Italy. Our research focuses on the Etruscan (late eighth–third centuries BC) and high medieval (ca. AD 800–1250) periods, which saw the most intensive habitation of the San Giuliano plateau and the construction of cemeteries with distinct burial traditions. Data are drawn from (1) single-burial trench tombs transitional between the Villanovan and Etruscan periods; (2) looted Etruscan rock-cut tombs, which show significant promise for recovery of artifacts and human bone; (3) regional road systems; and (4) a medieval fortified castle site atop the plateau, including a hall and a mortuary structure adjacent to a possible chapel. These analyses elucidate both the rise and fall of the Etruscan urban center and the medieval process of *incastellamento*, or castle-building with relocation of populations to defensible hilltops, that reshaped the Italian landscape in the tenth–twelfth centuries. The multidisciplinary and international collaboration of the San Giuliano Archaeological Research Project (SGARP) reveals diachronic patterns in settlement and mortuary practice that have wider implications for north central Italy and the western Mediterranean more broadly.

**Participants:** Davide Zori; Colleen Zori; Lauren Sides; Emily Varley; Jamie Aprile; Martin Gallagher; Anna Gibbs; Deirdre Fulton; Veronica Ikeshoji-Orlati; Lauren Jones, Anna Linderholm, Lori Baker, Colleen Zori and Davide Zori; Lori Baker; Vaughan Grimes, Deirdre Fulton, James Fulton, Davide Zori and Colleen Zori

*Sponsored Symposium* **CULTURAL RESOURCE MANAGEMENT ACROSS THE DoD**

(Sponsored by Military Archaeological Resources Stewardship)

**Time:** 1:00 p.m.–4:15 p.m.

**Chairs:** James Eschenbrenner; Jake Fruhlinger; Alexander Woods

**Abstract:** Across the Department of Defense, cultural resource management programs have been responsible for a variety of unique projects and management approaches. Exploring data management through GIS, consulting with Native American tribes in unique ways, and investigating historic and prehistoric sites are just a few examples of various Department of Defense projects. This symposium presents a summary of these various activities and more carried out in the management of our nation's cultural resources.

**Participants:** Jake Fruhlinger; James Eschenbrenner; Alexander Woods; Tessa Amend; Christopher Parr; Kristen Mt. Joy; Shaun Nelson, Ephriam Dickson and Jane Stone; Rita McCarty; Dougless Skinner, Whitney McLaren, Barrett Flynn and Julie Esdale; Teresa Gregory

**Discussants:** Reymundo "Tony" Chapa; Rita McCarty

*Symposium* **MAYA RITUAL IN ECONOMIC AND SOCIAL EXPRESSION: EVIDENCE FROM THE THREE RIVERS REGION**

**Time:** 1:00 p.m.–4:15 p.m.

**Chairs:** Rissa Trachman; Fred Valdez Jr.

**Abstract:** While ritual or religion may not determine ancient Maya economy, it does structure it (McAnany and Wells 2008). Much the same can be said about the role of ritual in society or social organization. Ritual quite likely structured much of daily life and social interactions. As such, ritual in both economic and social expressions was varied, multifaceted, chronologically sensitive, and complex. It differed both intra-regionally and inter-regionally as well as from urban to rural settings. Evidence from various sites within the Three Rivers Region reflect a wide array of ritual as it necessarily structured both economic and social life among the ancient Maya at different times in diverse urban and rural contexts.

**Participants:** Fred Valdez Jr. and Rissa Trachman; Stacy Drake, Lauri Thompson and Julie Saul; Lauri Thompson and David Hyde; Robyn Dodge; Laura Levi; Patricia Neuhoff-Malorzo; Zachary Stanyard, Phoebe Fairbairn, Lauren Sullivan and Fred Valdez Jr.; Rissa Trachman, J. Alex Canterbury and Daniel Conley; Stanley Walling, Jonathan Hanna, Christine Taylor and Shawna Veach; Spencer Mitchell, Marisol Cortes-Rincon, Cady Rutherford, Jonathan Roldan and Jeremy McFarland; Eleanor King and Michael Brennan; Claire Novotny and Brett Houk; Manda Adam

*Symposium* **ANCIENT MAYA EMBEDDED ECONOMIES**

**Time:** 1:00 p.m.–4:15 p.m.

**Chairs:** Bernadette Cap; Rachel Horowitz

**Abstract:** Economies are embedded within the sociopolitical dynamics of society, thus providing a lens through which to study broader organizational frameworks. In this session, we examine the entanglement of economies with political, social, and religious practices to understand integration processes of the ancient Maya. The organization of ancient Maya economies has been a subject of much debate and discussion. Many early studies focused on the dichotomization of elite and nonelite economies and the ways in which economies legitimate hierarchies. Economic activities can function to create such divisions and it is important to understand how they do so. More recently, scholars have turned to question how economic networks crosscut socioeconomic and political boundaries, placing an emphasis on integration processes. Through utilizing both approaches, we can gain more nuanced understandings of interaction networks that in turn affect understandings of the broader organizational principles of the ancient Maya. Papers in this session utilize diverse datasets from multiple regions of the Maya world to provide a comparative perspective.

**Participants:** Bernadette Cap and Rachel Horowitz; Diane Chase and Arlen Chase; John Blitz and Lisa LeCount; Christina Halperin; Kitty Emery, Antonia Foias, Lisa Duffy, Sophie Reilly and Elizabeth Webb; Elizabeth Paris, Roberto López Bravo and Gabriel Lalo Jacinto; Juan Melendez and Emiliano Melgar; Barry Kidder and Scott Hutson; Alejandra Roche Recinos, Andrew Scherer and Charles Golden; Michael Callaghan and Brigitte Kovacevich

**Discussants:** Alexandre Tokovinine; David Chicoine; Deborah Nichols

*Sponsored Symposium* **BAYESIAN ARCHAEOLOGY**

(Sponsored by Quantitative Methods and Statistical Computing in Archaeology Interest Group)

**Time:** 1:00 p.m.–4:15 p.m.

**Chairs:** Erik Otárola-Castillo; Jesse Wolfhagen

**Abstract:** Archaeologists and other scientists typically use statistical techniques to evaluate how well empirical evidence supports their hypotheses. Historically, null hypothesis significance testing (NHST) has been a frequently used framework to achieve this goal. Today's NHST methods underlie popular statistical concepts such as confidence intervals and probability statements (p-values). NHST employs those statistical concepts to make probabilistic statements about one's data in relation to a hypothesis. Although this approach is very useful, the fundamental concepts in NHST can often seem arbitrary and confusing. Archaeologists and other scientists have begun to incorporate Bayesian methods into their analyses. Leveraging the weight of prior and new evidence, Bayesian inference empowers scientists to assign probabilities to competing hypotheses for comparison and enables their revision in light of new information (NHST does not). The Bayesian approach offers an alternative and, in some respects, improved statistical framework over NHST that is now practically approachable thanks to modern computing methods. This symposium aims to highlight the creative and diverse employment of Bayesian Inference by archaeologists, illuminate its structure, procedures, and accessibility, featuring the benefits of its implementation and replicability to archaeological research.

**Participants:** Erik Otárola-Castillo; Jesse Wolfhagen; Sarah Coon, Jacob Harris, Zeresenay Alamseged, Curtis Marean and Erik Otárola-Castillo; Matthew Harris and Matthew Jorgenson; Philip Hitchings and Edward Banning; Ian Jorgeson, Ryan Breslawski and Matthew Boulanger; James Karbula; Alejandra May, John Rapes, Ben Schiery and Erik Otárola-Castillo; Gayoung Park and Ben Marwick; Kevin Schwarz; Li-ying Wang and Ben Marwick

**Discussant:** Jesse Wolfhagen

*Sponsored Symposium* **FEMALE FIRSTS: CELEBRATING ARCHAEOLOGY'S PIONEERING WOMEN ON THE 100TH ANNIVERSARY OF THE 19TH AMENDMENT**

(Sponsored by History of Archaeology Interest Group)

**Time:** 1:00 p.m.–4:30 p.m.

**Chairs:** Kelly Pool; Katie Kirakosian

**Abstract:** In recognition of the 100th anniversary of the ratification of the 19th Amendment, we celebrate other female firsts, specifically those of pioneering women in American archaeology and beyond. Although they gained the right to vote in 1920, women were not yet regularly allowed to participate on their own merit in American archaeology, with few exceptions. It wasn't until the mid-1920s that women were able to train beside men in graduate schools or field schools. During the 1930s, the numbers of women doing fieldwork and completing MAs greatly increased, and during the 1940s and 1950s, women had more access to earning PhDs. Despite these gains across the decades, women continued to experience lower pay grades, limitations on degrees obtained, and relegation to specific research niches. We focus on our predecessors who broke such barriers. These women, whether they were the first female PhDs in anthropology programs or female archaeologists of color, forged a path for others while also creating waves. Importantly, breaking barriers is not an artifact of the past; female archaeologists today, and certainly female archaeologists of color, continue to make strides in the field and achieve their own female firsts in the discipline.

**Participants:** Melissa Darby; Bernard Means; John Michael Garbellano; Michaelyn Harle, Laura Smith, Suzanne Fisher and Heather Heart; Lynne Goldstein and John Kelly; Steven James; Karen Smith; Kelly Pool; Katie Kirakosian; Mavis Greer and John Greer; Nancy Hoffman; Rebekah Mills, Rachel Brody, Valerie Watson, Lauren Brooks and Zoe Merod

**Discussant:** Margaret Conkey

*Symposium* **THE ROLE OF STORYTELLING AND COMMUNITY DIALOGUE WITHIN LATIN AMERICAN ARCHAEOLOGY**

**Time:** 1:00 p.m.–4:30 p.m.

**Chairs:** Tomás Gallareta Cervera; Maia Dedrick

**Abstract:** Storytelling projects have the potential to transform the traditional relationship of the anthropologist as an expert into a collaborative endeavor focused on local community narratives. As such, they can be used

as a tool for decolonizing the process of knowledge production, incorporating oral histories and ideas from participatory ethnography into the study of material heritage. In particular, projects that involve digital storytelling can explore how contemporary people view and engage with artifacts, sites, and landscapes. In this session, we consider how research projects apply diverse methodologies to work with local communities and incorporate their ideas about the cultural landscape. This session invites papers that focus on Latin America, an area of the world where archaeology, politics, colonialism, and heritage are particularly entangled and where relevant work on digital storytelling has begun relatively recently. The goal of the session is to share ideas among scholars working on storytelling and oral history projects in Latin America in order to inspire a deeper discussion of the relationship between archaeological practice and local communities. Here we address approaches to digital media, how to represent multiple tellings of a story, processes for crafting narratives, and the objectives we hope to meet through these projects.

**Participants:** Tomás Gallareta Cervera; Maia Dedrick and Adolfo Batún-Alpuche; Francisco Fernandez-Repetto and Lilia Fernandez-Souza; Sam Holley-Kline; Kirby Farah; Zachary Nissen; Anabelle Rodríguez; Franco Rossi and Heather Hurst; Florencio Delgado Espinoza; Douglas Smit and Charlotte Williams; Amanda Brock and Rosario Pajuelo Montes

**Discussants:** Quetzil Castaneda; Patricia McAnany

*Symposium* **EARLY CULTURAL RESOURCE MANAGEMENT FIRMS: VOICES FROM THE PAST AND PRESENT**

**Time:** 1:00 p.m.–4:30 p.m.

**Chairs:** John Douglass; Susan Chandler

**Abstract:** Cultural resource management (CRM) is a field that, while begun principally as university-based programs in the 1970s, has its modern foundation in the 1970s and 1980s among founders of privately held firms. Through time, the number of private CRM firms has grown immensely, whereas the number of university-based CRM programs has declined. Early on, CRM firms focused almost strictly on archaeology, but today's CRM encompasses a much wider range of services for clients. This session has been organized to examine the origin of private CRM firms in the early days of the industry and to hear from the founders of those firms regarding how things have changed, or remained the same, over the past 40 years.

**Participants:** John Douglass and Susan Chandler; Susan Chandler; Julia Costello; Jeffrey Altschul; W. Kevin Pape; Charles Niquette; Donald Weir; Kelly McGuire; William Doelle; Shelly Davis-King

**Discussants:** T. J. Ferguson; J. W. Joseph; Lynne Sebastian

*Symposium* **LOCAL MANIFESTATIONS OF CLIMATE CHANGE FOR ARCHAEOLOGICAL RESEARCH**

**Time:** 1:00 p.m.–5:00 p.m.

**Chairs:** Caitlin Rankin; Isabelle Lulewicz

**Abstract:** In the most recent United Nations Intergovernmental Panel on Climate Change report, the working group on Impacts, Adaptation, and Vulnerability recognize that global climate change will have a wide range of localized variability that will require localized adaptation strategies. In order to determine the best response strategies to future change, policy makers have requested more data on local manifestations of climate change and localized adaptations. Given the hyperlocal nature of archaeology, our discipline is well-situated to collect data on how global climate change manifests at the local level. In addition to providing the much-needed data for policy makers, localized paleoenvironment datasets collected from the archaeological record exist at a scale more fitting to address anthropological questions related to human-environment interactions than our current global, or even regional, datasets of climate change. This symposium brings together new research across regions and specializations that utilize environmental proxies of climate change obtained from within an archaeological context to address how local signals differ or are similar to regional signals of climate change and how these local datasets can be used to answer questions of past human response and resilience to climate change.

**Participants:** Frankie St. Amand; Ana Mauricio; Daniel Contreras, Benjamin Vining and Aubrey Hillman; Maria Bruno, Christine Hastorf, Sherilyn Fritz, José Capriles and Alejandra Domic; Timothy Beach, Samantha Krause and Sheryl Luzzadder-Beach; Samantha Lash; Charlotte Cable, Lloyd Weeks, Kristina Franke and James Roberts; Leslie Reeder-Myers; Dawn Beamer, Lisa Park Boush, Mary Jane Berman, Perry Gnivecki and Amy Myrbo; Philippa Jorissen, Traci Ardren, Michelle LeFebvre, Victor Thompson and Scott Fitzpatrick; Isabelle Lulewicz, Victor Thompson, Karen Walker and William Marquardt; Caitlin Rankin; David Anderson; Catherine West, Michael Etnier, C. Fred Andrus, Caroline Funk and Megan Partlow

**Discussant:** Daniel Sandweiss

*Sponsored Symposium* **ROCK ART: METHODOLOGY AND INTERPRETATION IN THE ARCHAEOLOGY OF THE SITE**

(Sponsored by Rock Art Interest Group)

**Time:** 1:00 p.m.–5:00 p.m.

**Chair:** Lenville Stelle

**Abstract:** The cultural manifestation we label rock art has the potential of being identified and recorded from wherever humanity has traveled. In the pursuit of innovative instrumental technique, enhanced interpretive insight, and successful approaches to preservation, this Rock Art Interest Group–sponsored symposium is intended to provide a context within which recent archaeologically informed rock art research can be shared.

**Participants:** Michele Hayward, Jonathan Hanna, Donald Smith, Michael Jessamy and Michael Cinquino; Gordon Ambrosino; Marlen Garnica and Eugenia Robinson; Janelle Harrison; Radoslaw Palonka and Vincent MacMillan; Frank Earley and Thomas Huffman; Mary Brown; David Whitley; Emily Van Alst; Johannes Loubser; Jan Simek, Erin Pritchard, Alan Cressler, Johannes Loubser and Sierra Bow; Kenneth Burkett; Uri Berger and Gonen Sharon; Sandra Olsen; Anne Stoll; Sam Challis and Brent Sinclair-Thomson

*Sponsored Symposium* **FOOD, DIET, AND CUISINE IN THE ANCIENT ANDES**

(Sponsored by Bioarchaeology Interest Group)

**Time:** 1:00 p.m.–5:00 p.m.

**Chairs:** Marta Alfonso-Durruty; Deborah Blom

**Abstract:** The Andean region, with its concentration of diverse physical environments and cultures, provides a unique locale to investigate the multiple dimensions of food and diet. Rather than a simple reflection of “eating local,” dietary choices are also influenced by social differentiation, life course stages, gender, class, identity, and even cultural constructs about what constitutes “food,” as can be seen in the diverse cultural traditions of the area. The generation of surplus, storage, and redistribution of food through feasting and exchange, control of food labor, and symbolic and sacred meanings of food play important political and religious roles as well. Therefore, the study of feeding and eating can illuminate a myriad of material and social issues, including power and inequality, taste, distinction, mobility, and the creation of social memory. The goal of this symposium is to explore the advances on food and diet’s material and social dimensions among prehistoric Andean groups. Contributors to this theoretically diverse, multidisciplinary symposium employ a variety of direct and indirect methods to investigate the topic, including biogeochemistry, dental pathology, zooarchaeology, archaeobotany and analysis of activity patterns, ceramic vessels, and artistic representations, among others.

**Participants:** Francisca Santana Sagredo, Chris Harrod, Petrus Le Roux and Mauricio Uribe; Melanie Miller, Iain Kendall, Richard Evershed and Christine Hastorf; Marcos Martinez, Alexandra Greenwald, Deborah Blom and Kelly Knudson; Julianna Santillan Goode, Matthew Sitek, Margaret Schoeninger, Paul Goldstein and Arianna Garvin; Lucia Diaz, Sarah Baitzel and Xinyi Liu; Maureen Folk, Sarah Baitzel and BrieAnna Langlie; Katherine Chiou; Matthew Biver and Aleksa Alaica; Omar Reyes, Carolina Belmar, Augusto Tessone, Manuel San Román and Flavia Morello; Beth Scaffidi, Natasha Vang and Tiffany Tung; Véronique Bélisle, Aleksa Alaica and Matthew Brown; Kurt Wilson, Brian Coddling and Joan Coltrain; Sadie Weber and Michelle Young; Sonia Alconini; Tamara Bray

**Discussant:** Susan deFrance

*Symposium* **NEW DIRECTIONS IN MONGOLIAN ARCHAEOLOGY**

**Time:** 1:00 p.m.–5:00 p.m.

**Chairs:** Joshua Wright; Gideon Shelach-Lavi

**Abstract:** Archaeology in Northeast Asia is undergoing great changes. Mongolia and proximate regions are an epicenter for new research approaches and syntheses of Northeast Asian and Eurasian archaeology. This session will highlight the work of a new researchers and the application of materials analysis, bioarchaeology, heritage management, isotope zooarchaeology, ceramic analysis, landscapes, excavation, and geoarchaeology to a range of problems covering Epipaleolithic to Medieval periods in the Northeast Asia steppe. We welcome papers on any aspects of ongoing and recent research in the region.

**Participants:** Jennifer Farquhar, Arlene Rosen and Yadmaa Tserndagva; Angela Evoy; Lisa Janz, Odsuren Davaakhuu and Bukhchuluun Dashzeveg; Natalia Égüez, Jean-Luc Houle, Oula Seitsonen and Jamsranjav Bayarsaikhan; William Gardner, Brent Buenger and Ja Burentogtokh; Jean-Luc Houle, Oula Seitsonen, Natalia Égüez, Lee G. Broderick and Jamsranjav Bayarsaikhan; Bukhchuluun Dashzeveg, Lisa Janz and Odsuren Davaakhuu; Asa Cameron, Bukhchuluun Dashzeveg and Jonathan Mark Kenoyer; Bryan Miller; Melandri Vlok, Erdene Myagmar and Hallie Buckley; Kristen Pearson; William Taylor, Isaac Hart, Julia Clark and Jamsranjav Bayarsaikhan; Gideon Shelach-Lavi; Henny Piezonka, Birte Ahrens, Sampildonov Chuluun, Martin Oczipka and Jonathan Ethier

**Discussant:** William Honeychurch

*Poster Session* **ADVANCES IN WOODLAND ARCHAEOLOGY**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Kenneth Tankersley, Maria Saniel-Banrey and Stephen Meyers; Louis Herzner, Kenneth Barnett Tankersley, Dylan Zedaker, Maddie Moeller and Larry Sandman; Dylan Zedaker, Kenneth Tankersley, Louis Herzner and Harrison Stanley; Kathryn Kuennen; Zachary Dierks; Jacob Weakley; Allegra Ward; Anya Frashuer, Christopher Carr and Michael Glascock; Colin Betts; Ora Elquist and Holly Herbster; Jonathan Micon; Jon Russ, Umer Aziz and Morgan McDonald; Grace Tolan, Claire Rebbe, Jera Davis, Stephen Carmody and Jon Russ; Candace Parker; Charles Rainville and Asa Randall; Brandon Ritchison

*Poster Session* **ARCTIC AND SUBARCTIC ARCHAEOLOGY**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Igor Chechushkov; Michael Scott and Paul Szpak; Lisa Hodgetts, Natasha Lyons, Rebecca Goodwin, Jeffrey Grieve and Jason Lau; Paul Szpak, Michael Westbury, Øystein Wiig, Arthur Dyke and Eline Lorenzen; Rachel Smith; Laura Stelson; Justin Junge, Andrew Tremayne and Thomas Urban

*Poster Session* **ARCHAEOLOGY IN THE ROCKY MOUNTAINS**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Matthew Neff, Rachel Channell and Lawrence Todd; Sari Dersam, Scott Dersam and Molly Herron; Morgan Robins; Kimberly Troendle; Meghan Dudley

*Poster Session* **PALEOINDIAN NORTH AMERICA**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Neil Thompsett, Sean Keef, Dayle Bingham and Matthew Des Lauriers; Shelby Saper, Richard Rosencrance and Katelyn McDonough; Dakota Larrick; Erica Bradley; Bianca Book; Fanxiu Meng; Janaka Greene; Emma Graumlich; Taylor McCoy and Heather Smith; Paul Oberheim, Richard Boisvert and Mark Doperalski; Itzel Quiroz, Richard Rosencrance, Katelyn McDonough and Justin Holcomb; Scott Dersam; R. A. Varney and Linda Scott Cummings; Jenna Battillo, Thomas Stafford Jr., R. A. Varney and Linda Scott Cummings; Isaac Hart, Andrea Brunelle, Jennifer DeGraffenried and Kaylee Jones

*Poster Session* **PALEOINDIAN ARCHAEOLOGY IN CENTRAL AND SOUTH AMERICA**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Harry Iceland and Kenneth Hirth; Juan Belardi, Silvana Espinosa, Luis Horta and Flavia Carballo Marina; Ian Beggen; Steph Gruver, Kurt Rademaker and Matthieu Carré; Jesús de la Rosa-Díaz; Emily Milton

*Symposium* **REGIONAL PERSPECTIVES ON FOLSOM SETTLEMENT, SUBSISTENCE, AND CHIPPED STONE VARIABILITY IN WESTERN NORTH AMERICA**

**Time:** 2:45 p.m.–4:45 p.m.

**Chair:** Kelton Meyer

**Abstract:** The archaeology of Folsom hunter-gatherers has enamored both archaeologists and artifact

collectors since the discovery of the Folsom type site in New Mexico in the early twentieth century. Our perceptions of the patterns and processes that drive Folsom site distributions, subsistence regimes, and stone tool manufacture continue to be revisited with advancing theoretical and methodological perspectives. Increasingly, models concerning Folsom adaptive systems encourage the use of landscape-level interpretations with consideration of both cultural and environmental variables. Though substantial excavations of major Folsom sites have slowed in recent years, reanalysis of site collections with modern techniques and targeted sampling of select sites demonstrates that new insights can be gleaned through repetitive interaction with the Folsom archaeological record. This symposium brings together archaeologists from the High Plains, Southwest, and Rocky Mountain regions into a discussion of Folsom hunter-gatherers, with a focus on the variation in settlement strategies, hunting systems, campsite organization, and lithic technology.

**Participants:** Vance Holliday, Bruce Huckell and Peter Condon; William Reitze; Charles Koenig, Christopher Jurgens, J. David Kilby, J. Kevin Hanselka and Lorena Becerra-Valdivia; Jack Hofman and Barbara Crable; Jason LaBelle; Kelton Meyer; Spencer Pelton

**Discussant:** Leland Bement

#### *Symposium* **ATLATLS AND RELATED WEAPONS IN THE SOUTHWEST AND BEYOND**

**Time:** 3:00 p.m.–5:00 p.m.

**Chairs:** Devin Pettigrew; John Whittaker

**Abstract:** Before the advent of bow-and-arrow technologies, atlatl-and-dart (spear-thrower) technologies were in use by most ancestral populations worldwide. The best archaeological documentation of atlatls comes from the American Southwest, where dry-climate preservation allows us to see organic spear-throwers and complete projectiles, as well as stone and other points, and iconographic representations of use and symbology. The relationships of atlatl technology to other technological complexes, and changes in weapon systems and their possible social and economic implications are frequently considered here, but evidence from all over the world is relevant to understanding these concerns.

**Participants:** Ronald Fields; John Whittaker, Chuck LaRue and William Bryce; Devin Pettigrew; Chris Loendorf; Marvin Kay; Justin Garnett; Phil Geib; Richard VanderHoek

#### *Lightning Rounds* **CLOSING THE FLOODGATES: POPULAR MEDIA AND CLIMATE CATASTROPHISM IN ARCHAEOLOGY**

**Time:** 3:00 p.m.–5:00 p.m.

**Moderators:** Elizabeth Watts Malouchos; Sarah Baires

**Abstract:** Archaeological research and discovery captivates the general public. Entire magazines, TV shows, and news articles are devoted to the topic, manifesting in "clickbait" derived from new archaeological discoveries such as "Did a mega-flood doom Ancient American City of Cahokia?" (National Geographic) or "Severe droughts explain the mysterious fall of the Maya" (BBC). These titles are fodder for curious minds and writers who use the past to create connections between ancient societies and us. Collapse narratives become the proverbial canary in the coal mine warning about the dangers of the changing climate, cited to either intensify or assuage the urgency of contemporary anthropogenic climate change. Often these articles focus on non-Western societies and their demise at the hands of the changing climate, which positions indigenous peoples as lacking agency, knowledge, and resilience. In this Lightning Round session, discussants address the ways popular media depicts archaeological research in the Americas and how the popular consumption of deterministic ideas about ancient human-environment relationships affects descendant communities, heritage management, and perspectives on contemporary climate change. Discussants also address how archaeologists can use popular media to advocate, emphasizing the agency of past peoples and the ways humans have persevered through climate change.

**Discussants:** Sarah Baires; Elizabeth Watts Malouchos; Meghan Buchanan; Lisa Lucero; Lizzie Wade; Lewis Borck; Melissa Baltus; Kenneth Sassaman; Rebecca Hawkins; Annalee Newitz

#### *Symposium* **CABINETS OF CURIOSITIES: COLLECTIONS AND CONSERVATION IN ARCHAEOLOGICAL RESEARCH**

**Time:** 3:15 p.m.–5:00 p.m.

**Chair:** Mariana Sanders

**Abstract:** Archaeological methods often entail destructive forms of data collection, such as excavation, to approach research questions. Existing collections may be used to answer the same inquiries, reducing the need for excavation and providing less destructive alternatives when designing research methodologies. Emphasizing the analysis of stored material culture presents invaluable aid in conserving archaeological sites and landscapes. This, in turn, lends to the reduction of artifacts recovered every year; an advantage growing in importance as storage space becomes increasingly thin. The papers discussed in this symposium highlight research projects relying on collections instead of excavation as the main source of data collection. Material types discussed range from ceramics of the seventeenth-century American Southwest and third-century Roman amphoras to a variety of faunal remains. The rise in conservation archaeologies employing non-excavation research designs present the opportunity for a more sustainable practice of archaeology. Museum-based archaeology thus provides as meaningful contribution to our discipline as excavation-based research. A methodology more inclusive of collections will not provide a solution to the storage problem but will aid in the growth of continued tenable efforts in conservation archaeologies.

**Participants:** Amanda Dobrov; Joshua Vallejos; Abigail Judkins; Nicole Mathwich; Douglas Mitchell, Laurene Montero, Mark Chenault and Todd Bostwick; Thatcher Rogers; Lenore Thompson

#### *Symposium* **DOCUMENTING DEMOGRAPHICS IN ARCHAEOLOGICAL PUBLICATIONS AND GRANTS**

**Time:** 3:30 p.m.–5:00 p.m.

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

**Abstract:** Since Joan Gero's (1985) pioneering article on "Sociopolitics and the Woman-at-Home Ideology," feminist archaeologists have been gathering data on the gendered dynamics of archaeological publication and funding. After a lull in the early 2000s, this literature has been undergoing a renaissance. Recent publications have shown that NSF-funded senior grants (Goldstein et al. 2018), and articles in *American Antiquity* (Rautman 2014) and *Journal of Field Archaeology* (Heath-Stout, forthcoming), are male dominated due to differential submission rates rather than bias in the review process. Others have demonstrated that there is a "peer review gap," where women are more likely to publish in non-refereed venues (Fulkerson and Tushingham 2019; Tushingham et al. 2017) or present at conferences (Bardolph 2018; Bardolph and VanDerwarker 2016) rather than publishing in peer-reviewed journals, including regional journals (Bardolph 2014). This session seeks to highlight recent work in data-driven approaches to the issues of diversity and equity in archaeology through the theme of publications and grants. Suggested topics for this session include demonstrated or recommended approaches to promoting diversity in submission rates; analyses or self-studies of submission demographics for grants or regional, national, or international journals (peer-reviewed or non-peer-reviewed); methodological complexities; and historical perspectives on inequities in the discipline.

**Participants:** Tiffany Fulkerson and Shannon Tushingham; Catherine Jalbert and Laura Heath-Stout; Dana Yakabowskas, Amanda Samuels and Christopher Wolff; Sarah Herr, Lynn Gamble, Maria Gutiérrez, Geoff Braswell and Hugh Radde; Barbara Mills and Lynne Goldstein; Amber VanDerwarker and Dana Bardolph

#### *Symposium* **PAPERS IN HONOR OF BRUCE BRADLEY**

**Time:** 3:30 p.m.–5:00 p.m.

**Chair:** Mercedes Okumura

**Abstract:** This symposium honors the career of Professor Bruce Bradley and his scholarly contributions to the studies of Paleoindian archaeology of the Americas, as well as experimental archaeology and Pueblo archaeology.

**Participants:** Alan Outram; Rafael Suárez; Mercedes Okumura, Astolfo Araujo and João Carlos Moreno de Sousa; Thomas Williams, Ciprian Ardelean and Nancy Velchoff; Cynthia Bradley; Sergio Ayala

#### *Symposium* **HISTORIES OF HUMAN-NATURE INTERACTIONS: USE, MANAGEMENT, AND CONSUMPTION OF PLANTS IN EXTREME ENVIRONMENTS**

**Time:** 3:30 p.m.–5:00 p.m.

**Chairs:** Eugenia Gayo; Paula Ugalde; Virginia McRostie

**Abstract:** Historically, humans in every environment on Earth have incorporated plants into their lives, for a wide variety of purposes: diet, medicine, ritual, construction of homes, and crafting their tools, among others.



Nonetheless, for several extreme environments (e.g., desert or temperate bioclimates), plants have not received the same attention in the archaeological research as other resources. An example of this is how these areas are usually portrayed as marginal, distant lands, where cultivars arrived late and where people adopted these products of human developments and innovations from other, richer areas. In this session, we want to explore these narratives, confront them with research done in extreme regions, and uncover new histories for the human-plant relationships in these kinds of environments. Topics such as adaptation of imported cultivars, innovations in cultivation techniques, and local processes of manipulation of wild resources and landscapes will form part of the central discussion. This symposium will strive to incorporate extreme bioclimates from all over the globe, and the whole chrono-cultural sequence, understanding that the developments of the present ecosystems, diets, and cosmologies associated to plants did not start with agriculture but are rather several long-term cultural processes that have their roots in hunter-gatherer populations.

**Participants:** Paula Ugalde, Virginia McRostie, Eugenia Gayo, Claudio Latorre and Calogero Santoro; Delphine Joly and Robert Marchant; Camila Alday; Eugenia Gayo, Manuel Rojas, Marcela Sepulveda and Antonio Maldonado; Carolina Belmar; Jennifer Haas

*Poster Session* **PALEOINDIAN/PALEOAMERICAN ZOOARCHAEOLOGY**

**Time:** 5:00 p.m.–7:00 p.m.

**Participants:** Kathleen Holen and Steven Holen; Thornton Raskevitz and Carlos Cordova; Lawrence Todd and Arthur Middleton; Andrew Boehm; Derick Juptner and Jordan Pratt; Jennifer Lemminger; Tony Fitzpatrick

*Poster Session* **ZOOARCHAEOLOGY**

**Time:** 5:00 p.m.–7:00 p.m.

**Participants:** Eric Guiry, Stéphane Noël, John Fowler and Susan deFrance; Brittany Slane, Samantha Blatt and Mary Thompson; Susan Monge; Jodi Jacobson, Taylor Bowden and Susan Sincerbox; Samantha Kirgesner and Julie Field; Brett Meyer; Kara Peters and Briana Pobiner; Brandon McIntosh and Erin Thornton; Laura Benedict and Virginia Lucas; Virginia Lucas; Maria Codlin; Jennifer Routledge, Lisa Janz and Paul Szpak; Sean Hixon, Kristina Douglass, Lucien Marie Aimé Rakotozafy, Brooke Crowley and Douglas Kennett; Angela Feak, Brian Stewart, John Kingston and Genevieve Dewar; Julian Schultz and Tanya Peres

*Poster Session* **DIGITAL ARCHAEOLOGY**

**Time:** 5:00 p.m.–7:00 p.m.

**Participants:** Kevin Wann and Chris Begley; India Kotis and Karinne Robbins; Matthew Gush; Nicolette Edwards and Mark McCoy; Anne-Marie Card; Robert Morgan, Matthew Taliaferro and Elizabeth Toney; Heather Smith, Taylor McCoy, Fanxiu Meng, Laura Evans and Brendon Asher; Danielle Duguid and Jake Lulewitz; R. P. Cromwell, Makayla O'Rourke and Tara Tran; Craig Shapiro; David Witt; Paul Burnett and Jonathan Libbon; Brian Lane; Grant Snitker, Sean Bergin and Pete Cadena; Xinzhou Chen; Albert Waters, John Vandergugten, Gavin Donathan, Courtney Hopper and Genevieve Dewar

*Poster Session* **NEW DISCOVERIES IN MISSISSIPPIAN ARCHAEOLOGY**

**Time:** 5:00 p.m.–7:00 p.m.

**Participants:** John Richards, Sean McConnel and Ned Farley; Elizabeth Scharf; Alexandra Flores; Michelle Slaughter and Kevin Gilmore; Anna Waterman, Bryan Kendall, Andrew Somerville and Julien Royer; Aaron Comstock and Benjamin Cross; Thomas Zych; Anthony Farace; Grace Riehm; Benjamin Stewart; Megan Belcher, Daniel Williams and Natalie Mueller; Kathryn McKenna, Tim Baumann, Gerry Dinkins and Steve Ahlstedt

*Poster Session* **ARCHAEOLOGY OF THE SOUTHERN SOUTHWEST**

**Time:** 5:00 p.m.–7:00 p.m.

**Participants:** Mark Chenault; Jessica Cerezo-Román; Bruce Phillips, Erik Steinbach, Travis Cureton and Craig Fertlemes; Ronald Ryden, Michael Stubing and Mark Chenault; Jacqueline Fox and Travis Cureton; Krystal Britt; Amanda Castañeda and Mark Willis; Mairead Poulin; Randall McGuire, Elisa Villalpando, Alejandra Abrego, Hunter Claypatch and Cinthia Campos; Heather Garnett; Kelsey Hanson and Nancy Odegaard; Andrew Krug, John Carpenter, Guadalupe Sánchez-Miranda and Matthew Pailes

*Poster Session* **BIOARCHAEOLOGY AND MORTUARY ANALYSIS**

**Time:** 5:00 p.m.–7:00 p.m.

**Participants:** Kaitlyn Ball; Christine Halling and Ryan Seidemann; Shannon Freire; Lexi O'Donnell, Ethan Hill, Amy Anderson and Heather Edgar; Corinne Taylor, Megan Perry and Robert Tykot; Wilson Simmons, John Dudgeon and Sara Getz; Catherine Jones; Kylie Williamson, Neill Wallis, George Kamenov and John Krigbaum

*Poster Session* **CURRENT RESEARCH AT McDONALD CREEK: A MULTICOMPONENT SITE IN INTERIOR ALASKA**

**Time:** 5:00 p.m.–7:00 p.m.

**Chairs:** Kelly Graf; Julie Esdale

**Abstract:** McDonald Creek is a multicomponent site located about 30 miles south of Fairbanks, Alaska. Our research group began testing the site in 2013 and commenced full-scale excavations in 2016. The site contains three well-stratified cultural components, tentatively dating to 13.8 ka, 12.7 ka, and 5 ka and preserving tens of thousands of lithic artifacts, osseous materials, faunal remains, and paleoethnobotanical remains. In this poster session, we will present preliminary results from our work at the site, including stratigraphy, chronology, and site formation; lithic technologies from the Pleistocene and Holocene components; new IRSL methods using data from the site; spatial analyses; paleoethnobotanical analyses; and soil micromorphological analyses.

**Participants:** Kelly Graf, Nathan Shelley and Julie Esdale; Aureade Henry, Kelly Graf and Julie Esdale; Julie Esdale and Kelly Graf; Ted Goebel; Nathan Shelley and Kelly Graf; Laurence Forget Brisson, Michel Lamothe, François Hardy and Kelly Graf; Lyndsay DiPietro and Kelly Graf

*Poster Session* **NEW ARCHAEOLOGICAL INSIGHTS FROM THE MIDDLE TANANA VALLEY, ALASKA**

**Time:** 5:00 p.m.–7:00 p.m.

**Chairs:** Gerad Smith; Joshua Reuther

**Abstract:** Containing extensive preservation of over 14,000 years of human occupation, the Middle Tanana Valley, Alaska, continues to produce a wide array of archaeological investigations. The purpose of this symposium is to bring together and present new findings and research from this region on a variety of methods and topics that are being applied toward our understanding of the past 14,000 years of regional human occupation.

**Participants:** Joshua Reuther, Sam Coffman, Charles Holmes, Ben Potter and Jeffrey Rasic; Barbara Crass, Jeffrey Behm and Charles Holmes; Briana Doering, Joshua Reuther, Scott Shirar and Holly McKinney; Rob Rondeau and W. Christopher Carleton; François Lanoë, Joshua Reuther, Charles Holmes, Ripan Malhi and Ben Potter; Gerad Smith; Charles Holmes, Ben Potter and Joshua Reuther; Kathryn Krasinski, Charles Holmes and Barbara Crass; Brian Wygal, Kathryn Krasinski, Charles Holmes, Barbara Crass and Dominic Tullo; Evan Holt, Todd Surovell, Brian Wygal, Kathryn Krasinski and Charles Holmes; Jennifer Kielhofer, Joshua Reuther, Charles Holmes, Vance Holliday and François Lanoë; Thomas Gillispie, Charles Holmes, Ben Potter, Angela Younie and Evelyn Mjajere

*Poster Session* **EXPERIMENTAL ARCHAEOLOGY OF TRADITIONAL GROUND STONE MILLING TECHNOLOGY**

**Time:** 5:00 p.m.–7:00 p.m.

**Chair:** Tammy Buonasera

**Abstract:** Ground stone tools were crucial for increasing the amount and breadth of edible food stuffs in

prehistory. Despite the favorable preservation generally afforded these tools and the central role they once had in processing many plant food staples, ground stone milling tools remain an understudied and undertheorized category of technology. This poster session highlights experimental approaches that explore investments of time, labor, or knowledge represented by ground stone milling tools in a variety of archaeological settings. The posters integrate experimental data on technological choices with archaeobotanical remains, use-wear analysis, ethnographic data, and a range of evolutionary models.

**Participants:** Daniel Goring, Tammy Buonasera, Jelmer Eerkens and Meredith Carlson; Tammy Buonasera; Meredith Carlson, Christopher Beckham, Caleb Chen, Daniel Goring and Peiqi Zhang; Peiqi Zhang, Meredith Carlson, Caleb Chen, Christopher Beckham and Tammy Buonasera; Caleb Chen, Meredith Carlson, Peiqi Zhang, Daniel Goring and Tammy Buonasera; Funda Ugras, Tamer Mertan and Müge Ergun; Kyle Palazzolo

### **Thursday Evening, April 23**

#### *Symposium* **TEOTIHUACAN: MULTIDISCIPLINARY RESEARCH ON MESOAMERICA'S CLASSIC METROPOLIS**

**Time:** 6:00 p.m.–7:15 p.m.

**Chairs:** Catherine Nuckols-Wilde; Katherine McCarthy

**Abstract:** Teotihuacan, always an important presence in Mesoamerica, has recently regained the spotlight with new discoveries and research. This research comes from multiple fields and disciplines. In this multidisciplinary session, we approach the study of Teotihuacan through these multiple lenses in an attempt to create a cohesive image of the behemoth city of Mesoamerica's Classic period.

**Participants:** Katherine McCarthy; Stephanie Lozano; Catherine Nuckols-Wilde; Elliot Lopez-Finn and Elliot Finn

**Discussant:** Matthew Robb

#### *General Session* **NEW DISCOVERIES IN EUROPEAN ARCHAEOLOGY**

**Time:** 6:00 p.m.–7:30 p.m.

**Chair:** Gregory Zaro

**Participants:** Sarah Martini and Stefan Dreibrödt; Kamen Boyadzhiev; Gregory Zaro, Martina Celhar, Igor Borzic and Dario Vujevic; Wayne Lorenz, Kate Trusler and Jamie Akens; Rachel Cartwright; Kevin Tillison

#### *Symposium* **RAISE YOUR GLASS TO THE PAST: AN ARCHAEOLOGY OF BEER**

**Time:** 6:00 p.m.–7:45 p.m.

**Chair:** Marie Hopwood

**Abstract:** In its earliest forms, beer was vastly different from the beverage we enjoy today. The first written records noting beer are from the third millennium BCE in Mesopotamia and suggest that beer had been brewed and enjoyed in that region for hundreds if not thousands of years before. At its most basic level, beer was produced by the household, often brewed, fermented, and served in the same container, had an exceptionally short shelf life, and served both quotidian and feast-level consumption needs. What links these beverages from the ancient past to modern beer is the presence of ethanol, a psychoactive substance present in all alcohols that make this more than a simple drink. Through this symposium we explore beer's deep time past through a variety of eras and locations. Our goal is to highlight how beer has been brewed and used by people around the globe for millennia. Unhindered by modern definitions of beer as nothing more than barley, water, hops, and yeast, ancient peoples used their favorite ingredients to craft beer unique to them. These beverages were imbued with meaning and shared with both family and elite, as well as creating and maintaining relationships between people and the gods.

**Participants:** Marie Hopwood; Patrick Ryan Williams and Donna Nash; John Arthur; Jason Kennedy; Justin Jennings, Aleksa Alaica, Matthew Biver and Oscar Huaman; Melissa Ayling

**Discussant:** Michael Homan

*Sponsored Forum* **ETHICS SHOULD CONCERN EVERYONE: SOLICITING MEMBERSHIP FEEDBACK ON UPDATING THE PRINCIPLES OF ARCHAEOLOGICAL ETHICS**

(Sponsored by Ethics Revision Task Force II)

**Time:** 6:00 p.m.–8:00 p.m.

**Moderators:** Sara Read; Sarah Miller; Gordon Rakita

**Abstract:** The second SAA Ethics Revisions Task Force is charged with collecting input and feedback from SAA membership and stakeholder groups on existing ethical principles. This forum will provide an update on results from the 2019 membership survey and also solicit more member feedback on the SAA Principles of Archaeological Ethics. Organizers will present a brief overview of survey results and then ask the audience to participate with their ideas, questions, and concerns. Discourse from this forum will be documented and included in the task force report used to guide revisions to the Ethical Principles.

**Discussants:** Ben Marwick; John Douglass; Maureen Meyers; Eldon Yellowhorn

*Sponsored Forum* **SPEED-MENTORING OFFICE HOURS AND PRE-PEER-REVIEW**

(Sponsored by Women in Archaeology Interest Group)

**Time:** 6:00 p.m.–8:00 p.m.

**Moderator:** Alison Rautman

**Abstract:** After we finish graduate school, it is often difficult to find a suitable colleague who is willing to “talk through” or look over a manuscript before submission. And our friends and colleagues may not always be able to answer questions about grant-writing, interviewing, different kinds of careers in archaeology, fellowships, dealing with nonprofits, or doing community outreach. In this session, several volunteer mentors will be available to meet with individuals or very small groups to answer your specific questions on these and other issues. So far, mentors with experience in the American Southwest, South Asia, Central America, Oceania, and New England have volunteered; they also have experience with museum careers, careers in CRM, NAGPRA regulations, NSF grants, AAUW pre/postdoc fellowships, and other topics. Attendees who are seeking pre-peer-review advice for manuscripts and grants should have a draft already written, and they should come prepared to explain their research to a nonspecialist. Mentoring sessions will begin and end promptly every 20 minutes during the two-hour session. Follow-up e-mail contact between mentors and attendees is up to the individuals involved; mentors may also provide possible referrals to another scholar. All SAA members are welcome.

**Discussants:** Karen Harry; Leslie Reeder-Myers; Gabrielle Vail; Carla Sinopoli; Patricia Crown; Bonnie Pitblado; Laura Hronec; Dayna Ables; Maria Bruno; Jennifer Kahn

*Sponsored Forum* **LEAVERITES AND CURATED COKE CANS: EXPLORING THE IMPACT OF NO COLLECTION POLICIES FROM THE PERSPECTIVE OF REGULATORS, CONSULTANTS, AND REPOSITORIES**

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

**Time:** 6:00 p.m.–8:00 p.m.

**Moderator:** Tim Riley

**Abstract:** Across the country, many regulatory agencies have implemented no collection or partial collection policies as a component of compliance with Section 106 of the National Historic Preservation Act and other laws. These policies vary widely with some focused on particular artifact classes or even specific types of undertakings. Despite recent work by the Archaeological Collections Consortium seen in the *SAA Archaeological Record*, vol. 19(1), there has been little evaluation of the effectiveness of these strategies in adequately and uniformly documenting cultural resources for management or the downline impacts on regulatory and repository decisions. While limited availability and rising costs of collections storage space, reducing overall project costs, and the patrimony of cultural objects have all been cited as reasons for no collection, in-field analysis, and collections re-burial, consideration of how this reduction in artifact collection will impact future research on and education about these collections remains understudied. There is also the question of whether a no-collection policy complies with the spirit of the laws underlying the recovery of archaeological materials subject to federal or other regulatory oversight. Join the Committee on Museums, Collections, and Curation for this forum of the strengths and limitations of no collection policies.

**Discussants:** Bradford Jones; Joan Schneider; Michael Heilen; Mark Warner

**Forum THE COLOSSAL ILOPANGO VOLCANIC ERUPTION IN EL SALVADOR AND THE MID-SIXTH-CENTURY WORLDWIDE CLIMATIC CRISIS**

**Time:** 6:00 p.m.–8:00 p.m.

**Moderators:** William Fowler; Payson Sheets

**Abstract:** Recent research indicates that, in terms of chronology, magnitude, and geographical location, the Ilopango eruption in Central America was one of two eruptions that caused the worldwide climatic crisis beginning AD 536 with distal effects that darkened the earth, brought on a 14-year cold spell in the northern hemisphere from Italy to Ireland, and led to crop failures from China to the Mediterranean and Mesoamerica. The event may have contributed to a major outbreak of bubonic plague in the Byzantine Empire. In Mesoamerica and Central America, effects of this catastrophe may have been felt from central Mexico to northern Colombia. Sometime around AD 539, Ilopango caldera provided a colossal Plinian eruption that had the proximal effect of blanketing an area of 10,000 km<sup>2</sup> with more than 80 km<sup>2</sup> of pyroclastic flows and ash. The immediate impact zone included all of El Salvador and adjacent portions of eastern Guatemala, western Honduras, and southwest Nicaragua, within a radius of about 100 km from Ilopango. Major centers were temporarily abandoned in an area of 20,000 km<sup>2</sup>. Trade routes in the southern Pacific regions of Central America were disrupted, and agricultural production was paralyzed for many decades.

**Discussants:** Robert Dull; Joel Gunn; William Fowler; Jon Lohse; Timothy Beach; Tom Dillehay

**Sponsored Forum DIVERSE EXPERTISE: ON THE IMPORTANCE OF MULTIVOCALITY AND INCLUSION IN ARCHAEOLOGY**

(Sponsored by Committee for the Status of Women in Archaeology, Queer Archaeology Interest Group)

**Time:** 6:00 p.m.–8:00 p.m.

**Moderators:** Kirsten Vacca; Katrina Eichner

**Abstract:** This panel consists of early career professionals—ABD graduates, recent graduates, and nontenured junior faculty—in archaeology speaking on issues of diversity and inclusion in the discipline more broadly, and in the SAA organization specifically. Our goal is to highlight how a rising generation of scholars is committed to diversifying the field through not only our research focus but also our methodologies, pedagogies, and ethics. Archaeologists continue to face difficult cultural issues such as sexism and racism that require frank and productive discussions that move the discipline forward. The tension between a lack of inclusion and a regularly verbalized ideal toward diversity have shaped the experiences of (mostly) millennial archaeologists throughout their time in the discipline. Using their own real-world experiences, the panelists will discuss steps forward that the society can take to foster a better environment for the many people already working in the discipline and for future generations. The panel will share perspectives and create an action plan for an inclusive and optimistically innovative future in archaeology.

**Discussants:** Valerie Bondura; Katherine Chiou; Katrina Eichner; Tiffany Fulkerson; Sian Halcrow; Laura Heath-Stout; Catherine Jalbert; Katharine Kolpan; Danielle Schneider; Kylie Tuitavuki; Kirsten Vacca; Joshua Vallejos

**Forum DISCOVERIES, COLLECTIONS, AND TRAFFICKING: FEDERAL AGENCIES AND NAGPRA IN 2020: REFLECTING ON THE PAST THREE DECADES AND LOOKING TO THE HORIZON**

**Time:** 6:00 p.m.–8:00 p.m.

**Moderators:** Emily Palus; Wendy Sutton

**Abstract:** Federal land managing agencies implement three key sections of the Native American Graves Protection and Repatriation Act of 1990 (NAGPRA) addressing Native American human remains and cultural items: documentation of agency collections; planning for, and response to, new discoveries on federal and tribal lands; and enforcement of trafficking. With 2020 marking the 30th anniversary of NAGPRA, this forum brings together agency participants, tribal representatives, and other partners to reflect on three decades of experience to align and integrate requirements with mission programs. In identifying factors for success and methods to overcome challenges in federal agency NAGPRA compliance, panelists highlight the fundamental contributions of the archaeological community and the critical role of tribal consultation. Through a facilitated discussion among the panel and audience, this session offers an opportunity to address critical topics and emerging issues in NAGPRA compliance, including inventorying collections from over 100 years of archaeological excavations and working with museums and universities in the U.S. and overseas; aligning

with streamlined review for land use (e.g., NEPA, NHPA Section 106) and navigating processes with other authorities applicable to land management, including cross-jurisdictional projects; and sequencing with enforcement activities (e.g., ARPA) and coordination with law enforcement.

**Discussants:** Bridget Ambler; Caven Clark; Emily Palus; Peter Pilles; Randy Ream; Kimberley Ryan; Elisa Ryan; Wendy Sutton

*Forum* **A HOLE IN THE FIELD: ANCIENT MAYA STORAGE TECHNOLOGY**

**Time:** 6:00 p.m.–8:00 p.m.

**Moderators:** Maxime Lamoureux St-Hilaire; David Freidel

**Abstract:** No archaeologist would ever dispute that the ancient Mayas developed a complex agricultural civilization. Likewise, all archaeologists agree that agricultural societies developed storage technologies. Yet, doubt often arises when the question of storage is posed in ancient Maya contexts, often framed by the challenges of curating perishables in (sub)tropical climates. But is it truly possible for a civilization to have lasted for millennia without efficient storage technology? To what degree did the ancient Mayas rely on storage for their nutritional well-being? Beyond reservoirs and “chultunes,” where did the ancient Mayas safeguard their goods? Did centralized storage facilities play a political-economic role for Classic Maya royal courts? Participants to this forum will present and explore the evidence for ancient Maya storage of foodstuffs, water, commodities, and more precious items from interdisciplinary perspectives, including ceramic and lithic studies, architecture, art history, epigraphy, paleoethnobotany, and geoarchaeology. In doing so, discussants will evaluate the potential for a more focused study of ancient Maya storage technology.

**Discussants:** Jim Aimers; Chloé Andrieu; Kazuo Aoyama; Traci Ardren; Jaime Awe; Keith Eppich; Eleanor King; Sheryl Luzzadder-Beach; Brian McKee; Daniela Triadan

*Symposium* **BRONZE CRAFT AND TECHNOLOGY: THE TRANSFORMATION OF ANCIENT CHINESE CULTURE INTO THE PHYSICAL WORLD**

**Time:** 6:00 p.m.–8:00 p.m.

**Chair:** Wen Yin Cheng

**Abstract:** Archaeological artifacts are objects transformed from the natural world into their cultural context, but what does this transformation entail? How these artifacts came to be, and the knowledge involved, was the focus in our discussion of artisans last year. However, the topic of artisans is far more complex than knowledge itself. This year we would like to build upon the concept of knowledge and incorporate how this knowledge was influenced by their culture in producing the artifacts from the mental world into the physical world. By combining our discussion across different artifact types, we can further our understanding of the ancient Chinese artisans’ relationship with their cultures. This session will discuss recent archaeological discoveries and research on Chinese crafts and technology, while bringing the artisans’ methods of production and their cultural meaning into the forefront, therefore witnessing how the artisans of ancient China transformed their culture into the physical world.

**Participants:** Celine Lai; Yu Liu, Zhanwei Yue and Deming Kong; Wen Yin Cheng and Chen Shen; Dongming Wu; Matthew Chastain; Yuqi Xiao; WengCheong Lam and Shengqiang Luo

**Discussant:** Xiuzhen Li

*Sponsored Lightning Rounds* **DIGITAL ARCHAEOLOGY LIGHTNING TUTORIALS**

(Sponsored by Digital Data Interest Group)

**Time:** 6:00 p.m.–8:00 p.m.

**Moderators:** Jolene Smith; Kelsey Noack Myers

**Abstract:** Amid the rapidly changing technological landscape, many archaeologists find it challenging to learn new digital skills and keep abreast of emerging tools. This session includes short “lightning tutorials,” or demonstrations of tools, techniques, and methods. Presentations will be geared toward archaeologists with beginner to intermediate digital abilities and experience. Attendees can expect practical resources to accomplish everyday tasks, including, but not limited to, making research accessible, collecting data in the field, 3D imaging techniques, outreach, and analysis tools. Discussion will be flexible and responsive based

on topics identified by the participants and audience members. Supplementary resources about tools and skills discussed will be available at <https://saaddig.github.io/lightningtutorials/>.

**Discussants:** Rachel Fernandez; Robert Mark; Nicolas Gauthier; Chris Webster; Cindy Hsin-yee Huang; Stephen Wagner; Brandon Gay; Robert Selden Jr.; Zenobie Garrett; Jolene Smith; Joshua Wells

*Sponsored Lightning Rounds* **INTERTWINED HISTORIES: HOW THE SAA SHAPED NAGPRA AND HOW NAGPRA IS SHAPING THE SAA**

(Sponsored by Committee on Repatriation)

**Time:** 6:00 p.m.–8:00 p.m.

**Moderators:** Lauren Sieg; Nell Murphy

**Abstract:** From the creation of statutory definitions that were used in NAGPRA to the recently created repatriation interest group, the SAA has played a key role in the development and implementation of NAGPRA. In turn, NAGPRA has significantly impacted the SAA. In this session, we review the role of the SAA in the task force, the passage of NAGPRA, the Review Committee, public comments, and its continuing efforts to support NAGPRA through research, education, and committees/task forces. Presenters will discuss the ways that NAGPRA has changed archaeological practice and the SAA, including new collaborations, changes to the research questions and design, and changing codes of ethics. The paradigm shift continues with the increase in collaborations, indigenous archaeology, and international repatriations. How much has SAA influenced NAGPRA, and how much has NAGPRA influenced SAA?

**Discussants:** Lynne Goldstein; Angela Neller; Keith Kintigh; Andrea Hunter; Vincas Steponaitis; Katy Mollerud; Jess Hendrix; William Quackenbush

*Symposium* **COLLABORATIVE AND COMMUNITY ARCHAEOLOGY**

**Time:** 6:00 p.m.–8:15 p.m.

**Chair:** Charles Bello

**Abstract:** This session focuses on archaeology projects involving varied and innovative collaborative efforts that focus on partnerships with local communities, especially tribal colleagues and related governments.

**Participants:** Charles Bello; Carolyn Dillian; Lydia Wilson Marshall; Howard Higgins, Brenda Ireland and Sandra Marion; Victoria Monagle; Kathryn Newton, Paige Ford, Meghan Dudley, Sarah Luthman and Delaney Cooley; Sarah Cowie, Diane Teeman, Ashley Long and Patrick “De?ileligi” Burt

**Discussants:** Carolyn Dillian; Kevin Nolan

*Symposium* **INNOVATING ARCHAEOLOGY AND FOSTERING SCHOLARSHIP: PAPERS IN HONOR OF STEPHEN E. PLOG**

**Time:** 6:00 p.m.–8:45 p.m.

**Chairs:** Carrie Heitman; Rachel Most

**Abstract:** The papers in this session honor the career and legacy of Stephen E. Plog upon his retirement. His work spans nearly five decades. A U.S. Southwesternist by birth and training, most of Plog’s research has focused on Ancestral Pueblos. Plog’s first publication appeared in 1976, setting the stage for what would become enduring areas of interest: developing novel quantitative methods to answer questions about demography, social structures, and social interaction. Early in his career, he developed formal methods used for field survey (Black Mesa Project) and pioneered new approaches to ceramic stylistic attribute analysis. In later decades, his work expanded to include ceremonial and ritual dimensions of Puebloan archaeology, contributions to archaeological theory, and the development of the Chaco Research Archive. Plog’s accomplishments have been acknowledged through his induction into the National Academy of Sciences and the American Academy of Arts and Sciences. This symposium, however, focuses on and celebrates his profound impact as a mentor. Former students and colleagues present research inspired by Dr. Plog’s career.

**Participants:** Rachel Most; Margerie Green and Shereen Lerner; Jillian Galle and Fraser Neiman; Michelle Hegmon and Sarah Striker; Julie Solometo, Wesley Bernardini and Gregson Schachner; Carrie Heitman and Worthy Martin; Katelyn Bishop; Samantha Fladd, Adam Watson, Vernon Scarborough and R. Gwinn Vivian

**Discussants:** Richard Wilshusen; Paul Minnis; Stephen Plog

**Symposium NOTIONS AND STRATEGIC USES OF PERSONHOOD AND SOULS AMONG EARLY WOODLAND, MIDDLE WOODLAND, AND POSTCONTACT INDIANS OF THE EASTERN WOODLANDS**

**Time:** 6:00 p.m.–8:45 p.m.

**Chair:** Christopher Carr

**Abstract:** Inspired by the work of ethnologist A. Irving Hallowell and more recent developments in the study of non-Western peoples' ontologies, we document precontact and postcontact Woodland Indians' ideas about the constituents and characteristics of a "person." We explore how these notions were expressed in mortuary rituals, were a foundation for intergroup interactions, and were sometimes used strategically to create productive intergroup relations. Major themes that crosscut the presentations are (1) the central place of ideas about soul-like essences in concepts of the person; (2) the inclusion of other-than-human beings in the cultural category of person; and (3) the implications of these two facets of personhood for intercommunity alliance formation, place-making, and issues of "territoriality."

**Participants:** William Weeks; Mary Kupsch, Brianna Rafidi and Christopher Carr; Brianna Rafidi; Heather Smyth and Christopher Carr; Christopher Caseldine; Anna Novotny; Mark McConaughy; Christopher Carr; Andrew Seidel

**Discussants:** Kelley Hays-Gilpin; Christine VanPool

**Symposium WHEN THE WILD WINDS BLOW: MICRONESIA COLONIZATION IN PACIFIC CONTEXT**

**Time:** 6:00 p.m.–8:45 p.m.

**Chairs:** Matthew Napolitano; Scott Fitzpatrick

**Abstract:** Micronesia is a vast region composed of thousands of smaller islands scattered across nearly three million miles of ocean in the northwestern tropical Pacific. With few exceptions, however, Micronesia has received relatively little archaeological attention compared to other parts of Remote Oceania, despite islands having been settled in a complex series of dispersals spanning millennia, some of which are contemporaneous with Lapita and others that derive from descendant Lapita populations. While recent advances in different analytical techniques and theoretical perspectives provide a more nuanced picture of how peoples first colonized these smaller islands and subsequent events that occurred thereafter, this session provides new insights into how and when Micronesia was colonized and addresses lingering unanswered gaps with which to focus future research. The session also highlights issues in preserving and protecting the region's cultural heritage in the face of development, climate change, and other natural and social processes.

**Participants:** Rintaro Ono, Jason Lebehn, Osamu Kataoka, Takuya Nagaoka and Scott Fitzpatrick; Marshall Weisler, Quan Hua, Jian-xin Zhao, Hiroya Yamano and Ai Du Nguyen; Miguel Vilar, Frank Camacho, Gregory Vilshansky, Koji Lum and Theodore Schurr; Matthew Napolitano, Scott Fitzpatrick, Geoffrey Clark, Esther Mietes and Amy Gusick; Maureece Levin, Aimee Miles and Katherine Seikel; Boyd Dixon and Mike Dega; Jessica Stone, Caroline Kisielinski, Justin Tackney, Scott Fitzpatrick and Dennis O'Rourke; John Swogger; Timothy Rieth and Ethan Cochrane; Laura Weyrich, Raphael Eisenhofer, Atholl Anderson, Keith Dobney and Scott Fitzpatrick

**Discussant:** Torben Rick

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

**Time:** 6:00 p.m.–8:45 p.m.

**Chairs:** Emiliano Gallaga; Mark Howe

**Abstract:** The Big Bend region of west Texas in the U.S. and Chihuahua and Coahuila in Mexico is an area of great archaeological, ecological, and historical significance for both countries. Unfortunately, not enough research has been conducted on this region, especially on the Mexican side. This session will be examining this region from prehistory to the present and showing the cultural diversity of different communities that made the Big Bend their home.

**Participants:** Bryon Schroeder; Yuri de la Rosa, José Concepción Jiménez, María Rodríguez Ceja, Miguel Martínez Carrillo and Eva Salas Bautista; Emiliano Gallaga and Manuel Reynaldo Parra; Mark Howe and Nancy Gonzalez; Marisol Gama-Vooz; David Kilby and Marcus Hamilton; Ashley Eyeington; James Ramsey; Zachariah Jamieson; Sean Farrell; William Cloud



*Symposium* **ANCIENT MESOAMERICAN POPULATION HISTORY: DEMOGRAPHY, SOCIAL COMPLEXITY, AND CHANGE**

**Time:** 6:00 p.m.–9:00 p.m.

**Chair:** Arlen Chase

**Abstract:** Establishing ancient population histories and determining how the ancient populations were distributed across the landscape over time constitute two of the most pressing problems in archaeology. Mayanists have traditionally established population numbers using a model of individuals per structure or residential group, but without full agreement on methodology about how to consider time, function of constructions, or family size. In other parts of Mesoamerica, such as in Oaxaca and the Valley of Mexico, population estimates are done differently. Yet no matter how they are accomplished, without comparably established population histories, it is difficult to talk about levels of complexity and organization, carrying capacity and sustainability, and change over time. Indeed, our very interpretations about how ancient societies were structured are to a large degree predicated on how many people lived within a given center or polity. With the application of lidar helping demographic considerations, the creation of new archaeological data relating to households, and larger site survey samples, it is an appropriate time to re-evaluate ancient population history. This session hopes to re-engage Mesoamerican scholars in formulating new approaches to gaining information on past populations and the modeling that derives from such an exercise.

**Participants:** Arlen Chase, Diane Chase and Adrian Chase; Scott Hutson; Travis Stanton, Traci Ardren, Nicolas Barth, Juan Fernandez Diaz and José Osorio León; Rodrigo Liendo; Marie Arnauld, Eva Lemonnier and Julien Hiquet; Elyse Chase, Adrian Chase, Diane Chase and Arlen Chase; Marcello Canuto and Luke Auld-Thomas; David Webster; Deborah Nichols, L. J. Gorenflo and Ian Robertson; Christopher Pool and Michael Loughlin

**Discussants:** Michael Smith; Jeremy Sabloff

*Symposium* **PALEO LITHICS TO LEGACY MANAGEMENT: RUTHANN KNUDSON'S BROAD REACH IN AMERICAN ARCHAEOLOGY**

**Time:** 6:00 p.m.–9:00 p.m.

**Chairs:** Marcel Kornfeld; Mary Lou Larson

**Abstract:** Ruthann Knudson exploded on the archaeological stage with an analysis of employable units (EUs), one of her lasting legacies to lithic technology, applied in the first case to Paleoindian studies. She can also be credited for initiating the publication of the Newsletter of Lithic Technology, today the international journal Lithic Technology. Her interest in lithics never waned, although she moved on to many other topics during her life, returning to lithics at the end of her career. She left a lasting legacy in government affairs, education, Native American cooperation, and many other contemporary topics. During much of her career she championed women's and feminist issues, both in terms of the structure of the field and in her studies, providing significant influence on female students. However, her mentorship and encouragement extended to all budding archaeologists. This symposium covers current perspectives in many areas of interest to Ruthann and in which she made contributions.

**Participants:** Marcel Kornfeld and Mary Lou Larson; Alice Kehoe; Ann Johnson; John Ives; Alwynne Beaudoin; Stance Hurst and Eileen Johnson; Jesse Ballenger, Dakota Larrick and Alexander Craib; Juliet Morrow and Stuart Fiedel; Mary Lou Larson and Marcel Kornfeld; Linea Sundstrom; Jeanne Moe

**Discussant:** Margaret Conkey

*Symposium* **ADVANCES IN DIGITAL ARCHAEOLOGY PRACTICE**

**Time:** 6:00 p.m.–9:00 p.m.

**Chairs:** Laura Harrison; Davide Tanasi

**Abstract:** This organized session highlights advances in digital archaeology practice with case studies that encompass the entire digital data lifecycle from documentation to analysis, dissemination, and reflection/critique. Individual papers present innovative new workflows for the 3D scanning and virtualization of heritage places and material culture with terrestrial laser scanning, photogrammetry, and structured light scanning. These digital methods open new avenues for the technical documentation of built environments, enabling advanced visual and spatial analysis of features such as prehistoric cave paintings, mosaics and frescoes, urban locales, lighthouses, and military encampments, among others. In addition, aggregating digital data in open, searchable platforms increases the scale at which the scholarly community and public

audiences gain access to access and engage with heritage resources, which alters the process of archaeological knowledge production. Several presentations consider the outcomes of advances in digital archaeology on various communities of practice—including educators, youth audiences, indigenous groups, local heritage organizations, and national and international institutions.

**Participants:** Elisa Bonacini, Davide Tanasi, Laura Harrison and Kaitlyn Kingsland; Kaitlyn Kingsland, Reece Combs, Davide Tanasi, Stephan Hassam and Paolino Trapani; Maria Chiffi, Francesco Gabellone, Angela Ciancio and Luigi La Rocca; Stephan Hassam, Davide Tanasi and Kaitlyn Kingsland; Davide Tanasi, Robert Brown, David Cardona and Benedict Lowe; Francesco Gabellone, Maria Chiffi, Davide Tanasi and Michael Decker; Denise Cali, Kaitlyn Kingsland, Davide Tanasi, Laura Harrison and Stephan Hassam; Matt King, Davide Tanasi, Kaitlyn Kingsland, Stephan Hassam and Reece Combs; Laura Harrison and Brooke Hansen; Kristin Donner and Laura Harrison; Elliot Alvarez

*General Session* **ARCHAEOLOGY OF THE ANDES: THE MIDDLE HORIZON AND BEYOND**

**Time:** 6:00 p.m.–9:00 p.m.

**Chair:** Paul Goldstein

**Participants:** David Reid; Jonah Augustine; Sophie Reilly and Andrew Roddick; Matthew Sitek; Paul Goldstein; Izumi Shimada, Haagen Klaus, Brandi MacDonald, Ken-ichi Shinoda and Amy Szumilewicz; Paloma Cuello del Pozo, Jose Peña and J. Eduardo Eche Vega; Jessica Smeeks; Samantha Seyler; Mauricio Uribe; Nina Mireya Castillo and Giancarlo Marcone; Manuel Calongos Curotto

*Symposium* **THEM AND US: TRANSMISSION AND CULTURAL DYNAMISM IN THE NORTH OF PERU BETWEEN AD 500 AND 950: A VISION SINCE THE RECENT NORTHERN INVESTIGATIONS**

**Time:** 6:00 p.m.–9:30 p.m.

**Chairs:** Solsiré Cusicanqui; Edgar Bracamonte Lévano

**Abstract:** This symposium looks, in part at the recent archaeological works, to analyze and understand the territorial dynamic, and the conception that a cultural group had of the others in the valleys of the north coast, the northern mountain range, and the eastern flanks of the Andes that developed into the groups of the Moche, Huamachuco, Cajamarca, and the (Pre)-Chachapoyas. We will focus on the regional processes, but without losing sight of the Wari presence and the different dimensions of their interactions with the northern villages. We will discuss aspects of the verticality and horizontality in the Peruvian north, starting with the mobility of goods, diffusion of ideas, populational displacement, stylistic integrations, and the local transformations of foreign elements.

**Participants:** Solsiré Cusicanqui; Aleksa Alaica; Luis Muro; Edgar Bracamonte Lévano; Jennifer Ringberg; Shinya Watanabe; Stephen Berquist; Howard Tsai; Jason Toohey and Patricia Chirinos Ogata; Warren Church; Anna Guengerich; Go Matsumoto, Gabriela de los Ríos and Gabriel Villegas

**Discussants:** George Lau; Jeffrey Quilter

*Symposium* **CHANGING PERCEPTIONS: CASE STUDIES IN GEOPHYSICAL SURVEY**

**Time:** 6:00 p.m.–10:00 p.m.

**Chairs:** Bret Ruby; Friedrich Lueth

**Abstract:** Geophysical survey applications in archaeology are becoming increasingly mature and mainstream and are now routinely changing our perceptions of ancient lives, sites, and landscapes. Multisensor instruments, real-time positioning systems, and user-friendly data analysis and visualization tools are opening wider and more richly detailed views into the past. This symposium highlights case studies from recent geophysical surveys in the Americas, Europe, and beyond. In each case, our perception of the archaeological record is changed, leading to new understandings of long-ago lives, new awareness of landscape-scale connections, new approaches to heritage management, or new public appreciation and engagement with the testimony of the past. This session will explore the impacts of these changing perceptions.

**Participants:** Bret Ruby, Rainer Komp, Friedrich Lueth, Lukas Goldmann and Sebastian Messal; Timothy Everhart; Scott Hammerstedt, Patrick Livingood, Jami Lockhart, Amanda Regnier and John Samuelsen; Jami Lockhart, George Sabo III and Jerry Hilliard; Adam Wiewel; Margaret Wilkes; Chris Gaffney, Tom

Sparrow, Alex Corkum, Helen McCreary and Chrys Harris; Friedrich Lueth, Sebastian Messal, Anja Behrens, Guillaume Bruniaux and Victor Legrand; Lukas Goldmann; Vincent Ard, Friedrich Lueth, Vivien Mathé and Antoine Laurent; Steffen Wolters, Anja Behrens, Moritz Mennenga and Martina Karle; Julia Ebert, Paul Cheetham, Friedrich Lueth and Behrens Anja; Rainer Komp; Gregory Tucker

*Symposium* **THE IRON AGE OF NORTHWEST PORTUGAL: LEFTOVERS OF BEHAVIOR**

**Time:** 7:30 p.m.–9:45 p.m.

**Chair:** Mariah Wade

**Abstract:** Archaeology is about objects and behavior. We leave our behavioral imprint in the things we think, invent, make, modify, and with which we interact. Materiality and its archaeological leftovers speak of the ways people in the past construct their world and in turn were shaped by that construction. These (now) social truisms are the backbone of inferring patterns of behavior. The papers in this session address various aspects of the multidimensional qualities of materiality using divergent thinking to consider past patterned behavior.

**Participants:** Pedro Brochado De Almeida; John Duncan Hurt; Ruth Van Dyke; Ana Almeida; Elizabeth de Marigny; Jordan Bowers; Nadya Prociuk; Mariah Wade

*Symposium* **UNEARTHING PANDORA'S BOX: ADDRESSING THE CONTEMPORARY ETHICS OF PRECOLUMBIAN MUSEUM COLLECTIONS**

**Time:** 8:00 p.m.–9:45 p.m.

**Chairs:** Jennifer Mathews; Lucía Abramovich

**Abstract:** Precolumbian objects have experienced complicated histories since their procurement began after the contact period. This session will examine how archaeologists, art historians, and museum curators manage precolumbian collections in museum and university settings, using contemporary ethical frameworks. These frameworks force us to confront the act of taking these objects, their lack of historical context, and their displacement in repositories and museum exhibits. Issues examined will include the use of precolumbian objects in research considering their lack of archaeological context; the relationship of curators and archaeologists to public collections; developing pedagogical initiatives between museums and universities, local communities, and/or indigenous groups; approaches to the acquisition and display of precolumbian works; and addressing the futures of problematic objects. We will also consider the ethical conundrums related to the fate of collections that are not on display and issues related to deaccession.

**Participants:** Patricia Ledesma Bouchan; Andrew Hamilton; Victoria Lyall; Julia Burtenshaw; Rosario Granados, Astrid Runggaldier, Catherine Popovici and Kendyll Gross; Lucía Abramovich and Jennifer Mathews

**Discussant:** Michelle Rich

*Forum* **SOCIAL AND ECONOMIC THEORIES IN ARCHAEOLOGY: TENSIONS AND POTENTIALS**

**Time:** 8:00 p.m.–10:00 p.m.

**Moderators:** Phacharaphorn Phanomvan; Margaret Burr

**Abstract:** This forum proposes brings together global attempts to reconcile the debate on the ancient economy. It discusses the application of economic and social theories in archaeology. We seek to investigate the usage of the empirical and qualitative socioeconomic analysis in archaeology by looking at their application in peripheral or "non-canon" historical landscapes. We will be looking at the usage of sources and source interpretation in the multidisciplinary application of theories on "archaeological data." The discussion will focus on topics such as the application of "neoclassical" economics theories that are growing popular among economist and economic historian utilizing trade, settlement, and production data in archaeology. This has resurfaced theoretical tensions between other disciplinary theories such as Marxist historical interpretation, economic anthropology, and sociology. We seek to bring together a wide range of case study in the hope of establishing some clarity to the debates on "social and economic" structures in the ancient world.

**Discussants:** Margaret Burr; Phacharaphorn Phanomvan

**Friday Morning, April 24**

*Sponsored Symposium* **TOWARD AN INTERNATIONAL COOPERATION FRAMEWORK FOR ROCK ART RESEARCH**  
(Sponsored by ICOMOS, UNESCO)

**Time:** 8:00 a.m.–9:15 a.m.

**Chair:** Benjamin Smith

**Abstract:** Research into rock art now requires a range of specialized skills. While typically coordinated by an archaeologist, rock art projects increasingly involve team members from different disciplinary and professional backgrounds. For rock art conservation and dating, a mix of chemistry, geology, and materials science are needed; for management, a range of sociological, business, and facilitation skills are required. Even the previous exclusive domains of the archaeologist, such as recording and interpretation, today often involve people with a range of technological skills and backgrounds in areas such as cognitive science, history, and anthropology. With limited human capacity at specific rock art locales, there is a urgent need for transnational and international cooperation and mutual support. This session is designed to plan the future of such collaboration and the role that international organizations, such as UNESCO and ICOMOS, should play in facilitating this multilateral endeavor. We seek presenters from different regions to present their recommendations on areas in which we can most productively improve international best practices and where pooling of resources and experiences can be most beneficial. The outcomes of this session will guide us in the creation of future international rock art networks to address areas of pressing need.

**Participants:** Rahman Abdullayev and Vugar Isayev; Yasha Zhang and Tingliang Zhang; Kelley Hays-Gilpin; Thomas McClintock, Terry Little, Janette Deacon and Neville Agnew

**Discussant:** Knut Helskog

*Symposium* **THE ARCHAEOLOGY OF BUILDINGS IN COLONIAL CONTEXTS**

**Time:** 8:00 a.m.–9:45 a.m.

**Chair:** Stephen Mrozowski

**Abstract:** The papers in this session present a variety of buildings-based research from colonial contexts. Dealing with issues ranging from architectural complexities, urban/rural differences, the commercial and social importance of buildings, and the hybrid quality of buildings in colonial contexts, the various authors provide richly detailed case studies. All of the studies in the session are the result of long-standing research programs that have examined the dynamic quality of colonial settings and the materialities they engender. Papers in the session examine a variety of building forms from the early Spanish period in New Mexico, colonial-era New England, and the Plantation Period in Ireland. Reflecting a variety of perspectives, these papers examine hybrid architectural forms that draw on the building traditions of the colonized and colonizers alike, as well as complex colonial buildings that served the commercial and residential needs of both English and Spanish colonists. Collectively, these papers focus on the spatial configurations of a variety of building types, the challenges that confront archaeologists engaged in this type of research, and the importance of weaving diverse architectural forms into deeper understandings of the dynamic quality of colonialism and its continuing legacies throughout the world.

**Participants:** Stephen Mrozowski; Audrey Horning; Heather Law Pezzarossi; Katherine Albert and Heather Trigg; Sarah Carr and Stephen Silliman; Kathleen Corbett and Bonnie Clark

**Discussant:** Robert Preucel

*Forum* **ARCHAEOLOGICAL APPROACHES TO ANTHROPOGENIC FIRE AND GLOBAL PYRODIVERSITY**

**Time:** 8:00 a.m.–10:00 a.m.

**Moderator:** Grant Snitker

**Abstract:** Archaeological research consistently demonstrates that humans have played an active role in shaping long-term fire histories in ecosystems throughout the world. The growing number of archaeologists engaged in understanding human-fire-ecosystem relationships has led to a multitude of new methods, analyses, and theoretical frameworks in our field. However, the diversity of approaches to anthropogenic fire often means researchers are dispersed throughout multiple sessions at the SAA annual meeting. In this forum, we will bring together this research community to highlight the innovative approaches archaeologists are using to meet the challenge of conceptualizing anthropogenic fire and pyrodiversity in the archaeological record. Brief presentations by panelists will provide a summary of the current "state of the field," leading to an

opportunity for archaeologists from multiple research backgrounds and geographic foci to engage in open discussion on how we move this work forward.

**Discussants:** Christopher Roos; Kent Lightfoot; Linn Gassaway; Kelly Derr; Douglas Bird; Rachel Loehman; Anna Klimaszewski-Patterson

*Forum* **REGIONAL LEADERSHIP FORUM**

**Time:** 8:00 a.m.–10:00 a.m.

**Moderator:** Jaime Donta

**Abstract:** This year's forum will explore how regional professional organizations have reacted, or could consider reacting, to recent changes at SAA and our regional meetings related to anti-harassment policy. Membership requirements, bylaws, and grievance processes will be discussed, as well as the relationship between these smaller-scale organizations and SAA and the field of archaeology as a whole. The goal of the forum is to share experiences and to develop positive solutions to our common problem of promoting safe and ethical membership bodies. Leadership from a range of regional professional organizations, SAA, and RPA will be participating.

**Discussants:** Casey Campetti; Gregory Lattanzi; Janet Levy; Amanda Logan; Jonathan Lothrop; Meagan Thies-Sauder

*Forum* **DIGITIZING SENSITIVE SITE DATA: SUCCESS STORIES AND SIGNIFICANT CONCERNS IN SOVEREIGNTY-DRIVEN DATA MANAGEMENT BY TRIBES AND THEIR PARTNERS**

**Time:** 8:00 a.m.–10:00 a.m.

**Moderators:** Allyson Brooks; John Welch; Valerie Grussing

**Abstract:** Proposals for regional or national archaeological site and cultural resource databases invoke bright promises of research and resource management efficiencies as well as serious questions regarding information ownership, system security, and unintended consequences. The National Trust for Historic Preservation has encouraged consideration of the NatureServe environmental platform; Digital Antiquity and other entities are promoting centralized, ultimately comprehensive databases to serve multiple interests. Tribes and preservation advocates want data security, consideration of the full spectrum of cultural resources, and other assurances. Governments and project proponents want readily accessible information on cultural resource locations to streamline project planning. Researchers want to harness technological innovations to enable new types and levels of analyses. As the owners, managers, and sources of cultural resource information, tribes require opportunities to participate in all discussions and decisions regarding centralized databases and the implications these digital systems have for cultural resource management, consultation, research, and flexibility to accommodate data sovereignty, traditional cultural properties, and other legitimate interests and concerns. Further progress toward regional and national cultural databases is contingent on candid and good-faith deliberations leading to the harmonization of diverse interests.

**Discussants:** Jessica Mauck; Matt Peebles; Ryan Spring; Briece Edwards; Catherine Dickson

*Forum* **GLOBAL COLLABORATIVE EFFORTS TO ADDRESS ISSUES FACING MODERN SOCIETY**

**Time:** 8:00 a.m.–10:00 a.m.

**Moderator:** Jeffrey Altschul

**Abstract:** Working in multidisciplinary teams is nothing new to archaeologists. Working in collaborative teams, composed of scholars of differing backgrounds, genders, and professional statuses, however, is rare. Yet, this form of collaboration is the cornerstone of synthesis centers that have transformed sciences such as ecology, mathematical biology, and geoscience. Studies have shown that addressing major societal issues requires the kind of transformative thinking fostered by this collaborative model. Professional societies, such as the SAA, EAA, and SHA, are keenly aware that they, too, must collaborate to harness the full potential of our discipline to address deep-time issues that continue to impact modern society. The Coalition for Archaeological Synthesis (CfAS), the discipline's first synthesis center, counts these major professional societies among its partners and has worked with them and other partners to define projects to bring the power of collaborative synthesis using archaeological data to bear on major issues of our time. In this forum we will present examples of the types of projects CfAS has sponsored and then, in a workshop-like setting, engage the forum's audience to help design new projects and new initiatives that will have an impact on local

and national policies.

**Discussants:** Keith Kintigh; Terry Klein; Stefani Crabtree

*Sponsored Forum* **TROWELS, BLOGS, AND PODCASTS: THE EXCITEMENT AND CHALLENGE OF MEDIA USE IN THE INFORMATION AND MISINFORMATION AGE**

(Sponsored by Media Relations Committee)

**Time:** 8:00 a.m.–10:00 a.m.

**Moderator:** Nezahualcoyotl Xiuhtecutli

**Abstract:** In this age of information and misinformation, archaeologists highlight the importance and relevance of archaeology to the modern world. We strive through our work to draw lessons from the past to better understand our present and future. Often the rigor of our research does not translate into user friendly reads for the general public. Increasingly, archaeologists are using the new information tools at our disposal as well as more traditional media of mass communication to make our work better known and to prevent misinformation from spreading. At the same time, these tools are novel ways to introduce new audiences, including school-age youth, to the fascinating world of archaeology. This session is organized by the Media Relations Committee and welcomes audience participation in a discussion on archaeologist's use of media to engage the public and the challenges also posed by the use of such media.

**Discussants:** Farrell Monaco; Tanya Peres; Andrea Vianello

*Forum* **TEXAS TRIBAL PERSPECTIVES: COLLABORATIVE EFFORTS IN ARCHAEOLOGY, HISTORY, TRADITIONAL CULTURAL PROPERTY STUDIES, AND CULTURAL RESOURCE MANAGEMENT**

**Time:** 8:00 a.m.–10:00 a.m.

**Moderators:** Kristen Mt. Joy; RaelLynn Butler; Bryant Celestine

**Abstract:** Federally recognized tribal nations and Texas agencies share their lessons learned and current work on the cultural history of the state. The consultation process is a springboard to new ideas and approaches inclusive of archaeology and history. In this forum, tribal preservation professionals from the Alabama-Coushatta Tribe, Kickapoo, Mescalero Apache, Tonkawa Tribe, and Muscogee Creek Nation join agency representatives to discuss their work on projects ranging from the Texas Department of Transportation's tribal history project and Tribal Advisory Board, the Alamo's efforts to create a Tribal Committee, Texas Parks and Wildlife's plans for tribal engagement and improved state park interpretive materials, and the Texas Military Department's Traditional Cultural Property surveys and proposed project to integrate tribal field crews for site monitoring and survey.

**Discussants:** Mary Galindo; Eddie Anico; Erin Paden; Holly Houghten; Aina Dodge; Marie Archambeault; Lauren Norman Brown; Turner Hunt; Paul Marceaux; Emman Spain; Donald Patterson

*Poster Session* **ARCHAEOLOGY OF THE CONTACT PERIOD**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Rachel Thimmig and Kacy Hollenback; Alex Garcia-Putnam and Maria Smith; Edgar Alarcón Tinajero and Samuel Hillman; Linda Scott Cummings; Donald Gaylord and Eric Herrera; Abigail Musch, Anna Semon and Thomas Blaber; Brandi Bethke, Emily Lena Jones, Gregory Hodgins and William Taylor; Gwen Bakke; Josefina Vasquez Pazmino; Flavia Morello Repetto, Luis Borrero, Manuel San Roman, Fabiana Martin and Marta Alfonso-Durruty; Elspeth Geiger and Emma Creamer; Gabriela Montero; Alicia Torres Porras, Patricia Plunket Nagoda and Gabriela Uruñuela Ladrón de Guevara; Hannah Hoover; Rosemary Lieske; Scott Ferrara

*Poster Session* **CERAMIC STUDIES**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Scott Van Keuren, Jeffrey Ferguson and Mark Agostini; Kelly Plevniak; Manasij Pal Chowdhury, Stuart Campbell, Sharon Fraser, Bart van Dongen and Michael Buckley; Samantha Bomkamp; Adam Hartman; Sarah Oas and Matt Peebles; Rebekah Rakowski, Kateea Peterson and John Dudgeon

*Poster Session* **LANDSCAPE AND IDENTITY IN PREHISPANIC MEXICO: A VIEW FROM THE EDGE**

**Time:** 8:00 a.m.–10:00 a.m.

**Chairs:** Axayacatl Medina Rosas; Bridget Zavala

**Abstract:** Despite its vast territory, Mexican archaeology has largely been structured and organized from the capital. In this session, we take a decentralized look at embodied everyday life at a variety of sites outside of central Mexico along the southeastern and northwestern edges of the modern-day nation. We consider notions of identity, subsistence, and symbolism, from a landscape perspective, to demonstrate how the people of the past constructed complex and varied worlds in their particular locales.

**Participants:** Axayacatl Medina Rosas; Bridget Zavala; Zitlalli González Guzman; Jazmin Alvarado and Daniel Pineda; Abril Medina Hernández and Fabiola Hoyos Velasco; Elizabeth Bagwell

*Poster Session* **RESEARCH HOT OFF THE TROWEL IN THE UPPER GILA AND MIMBRES AREAS**

**Time:** 8:00 a.m.–10:00 a.m.

**Chairs:** Karen Schollmeyer; Jeffery Clark

**Abstract:** The Upper Gila and Mimbres region continues to be one of the most active areas of fieldwork in U.S. Southwest archaeology, with numerous projects affiliated with different institutions investigating sites dating throughout much of the prehispanic sequence. In this session, researchers from ongoing field projects in this region present preliminary results and discuss their implications for craft specialization, food preparation and storage, religion, settlement patterns, mobility, and other research topics of broad interest.

**Participants:** Christopher Fuchs; Kailey Loughran and John Welch; James Margotta and Maxwell Forton; Mary Whisenhunt, John Roney, Robert Hard, Lori Barkwill Love and Toni Lambach; David Lewandowski; Stephen Uzzle; Christopher Adams; Jordan Scott; William Walker and Judy Berryman; Zaynab Chamalian and Karen Schollmeyer; Sarah Hinton and Kelsey Hanson; Sean White and Karen Schollmeyer; Danielle Romero; Elizabeth Shikrallah and Danielle Romero; Lindsey Cron, Jordan Scott, Ashlyn Wagoner, Dustin Wagner and Fumi Arakawa

*Poster Session* **SCALING POTTING NETWORKS: RECENT CONTRIBUTIONS FROM CERAMIC PETROGRAPHY**

**Time:** 8:00 a.m.–10:00 a.m.

**Chairs:** C. Trevor Duke; John Lawrence

**Abstract:** Ceramic petrography has stood the tests of time as an analytical technique partly due its versatility. Few pottery analysis techniques simultaneously provide archaeologists information on provenance, manufacturing choices, and social practices. Petrographers have made substantive contributions to anthropological and archaeological literature over the last two decades by viewing the complex technologies associated with pottery production from multiple angles. Particularly compelling has been petrography's role in disentangling the social networks that underwrote past pottery production practices and exchange. Pots themselves are the outcome of individual or collaborative practices that are governed by larger social bodies, such as kinship systems or religious sodalities. The case studies presented here attempt to decipher pottery production practices by situating potters within the broader networks in which they operated. Our goal is to showcase through diachronic, cross-cultural analyses the utility of using all aspects of petrographic analysis to better understand past potting networks. We ultimately use these case studies to demonstrate how network-based archaeology can benefit by employing a multifaceted petrographic approach.

**Participants:** Dominique Sorresso, C. Trevor Duke, Gifford Waters and Charles Cobb; C. Trevor Duke, Neill Wallis and Ann Cordell; John Lawrence and Scott Fitzpatrick; Ann Cordell and Maureen Meyers; Andrea Torvinen and Matt Peeples

*Symposium* **FINDING FIELDS: LOCATING AND INTERPRETING ANCIENT AGRICULTURAL LANDSCAPES**

**Time:** 8:00 a.m.–10:45 a.m.

**Chairs:** Madeleine McLeester; Jesse Casana

**Abstract:** Archaeological analysis of ancient agricultural fields can provide key anthropological insights into past subsistence strategies, communities' political economies, environmental entanglements, and ideologies of land, labor, and gender. And yet the subtle traces of agricultural fields (e.g., field boundary features, stone clearance mounds, anthropogenic soils, and artifact scatters) are among the most difficult features to resolve archaeologically. Moreover, the expansiveness of ancient field systems combined with their often ephemeral

nature make agricultural landscapes a serious challenge to preserve and protect as they are easily lost to erosional processes and modern development. This session brings together a group of scholars employing innovative new methods to discover, map, and interpret ancient field systems. These new approaches to fields explore the social and political contexts of agriculture, challenge colonial narratives about indigenous field systems, and engage with emerging global discourses of the Anthropocene.

**Participants:** Jesse Casana and Madeleine McLeester; Elise Jakoby Laugier and Jesse Casana; Mark McCoy, Jesse Casana and Thegn Ladefoged; Madeleine McLeester and Jesse Casana; Mark Schurr and Madeleine McLeester; Andrew Bauer; Thegn Ladefoged, Rod Wallace, Alex Jorgensen, Paul Augustinus and Matthew Prebble; BrieAnna Langlie, John Wilson, Jacob Frank and Matthew Chmura; James Countryman; Anabel Ford

**Discussant:** Naomi Miller

*Symposium* **RISKY BUSINESS: COMPARATIVE APPROACHES TO RISK AND RESILIENCE IN DRYLAND ENVIRONMENTS, PART 1**

**Time:** 8:00 a.m.–11:15 a.m.

**Chairs:** Emily Dawson; Camille Weinberg

**Abstract:** Part 1: Drylands currently make up 47% of the Earth's surface and host 39% of the world's population. Recent climate models predict that by the end of this century, 20%–30% of the planet will be significantly drier. As our planet experiences more rapid global warming, arid landscapes become increasingly widespread. Such landscapes can no longer be considered marginal and/or inimical to human lifeways. Instead, drylands should continue to be at the forefront of research agendas, as landscapes simultaneously of risk, vulnerability, resilience, and potential. These are not homogeneous landscapes but complex and diverse ecosystems that interact with each other and their inhabitants.

**Participants:** Camille Weinberg, Jo Osborn, Kelita Pérez Cubas and Richard Espino Huaman; Ari Caramanica; Benjamin Vining, Dan Contreras and Aubrey Hillman; Elizabeth Pintar and Maria Fernanda Rodriguez; Andrew Gillreath-Brown, Kyle Bocinsky and Tim Kohler; Craig Fertelmes and Colleen Strawhacker; Heather Trigg; Blair Heidkamp, Yorke Rowan, Alexander Wasse and Gary Rollefson; Abigail Buffington; Arlene Rosen and Lisa Janz

**Discussants:** Emily Dawson; Joy McCorriston

*Symposium* **ANCIENT MESOAMERICAN EXCHANGE SYSTEMS AND ECONOMY: BUILDING ON THE WORK OF RONALD BISHOP, PART 1**

**Time:** 8:00 a.m.–11:30 a.m.

**Chairs:** Hector Neff; Arthur Demarest

**Abstract:** Application of neutron activation analysis (NAA) to archaeological materials started in the 1960s. Yet it was in the 1970s that INAA really took off when the field recognized its great potential for study of exchange systems and economies. That occurred in large part due to the influence of an early adopter in archaeology, Ronald Bishop. With his unique background, Bishop coupled a chemist's understanding of the technique with an archaeologist's and anthropologist's understanding of what constituted an important problem. He also recognized that meaningful interpretation of precise chemical and mineralogical characterizations of ceramics required understanding the ceramic studies of collaborating archaeologists and the full culture-historical context of samples. Over four+ decades, Bishop and his collaborators have brought hard data to the study of material-exchange systems across Mesoamerica, from the southern periphery in Nicaragua to the northern periphery in the U.S. Southwest. His contributions to understanding Maya economic systems have been particularly numerous and influential. To recognize his work and build upon, it a number of Bishop's current and past collaborators will report new results, evaluate interpretations, or synthesize studies that employ NAA or other characterization techniques to advance the study of Mesoamerican economies. First of two sessions.

**Participants:** Russell Skowronek and Juan Gonzalez; Frederick Lange; Hector Neff, Clifford Brown and Kelsey Willis; Daniela Triadan; Socorro Jimenez, Charles Golden and Andrew Scherer; Kirk Straight; Miriam Judith Gallegos Gomora and Ricardo Armijo Torres; Rafael Cobos; Joseph Ball; Antonia Foias; Dorie Reents-Budet

**Discussant:** Christopher Pool



*Symposium* **PEOPLING THE ANCIENT AMERICAS: PERSONHOOD, ANIMISM, AND SACRED LANDSCAPES**

**Time:** 8:00 a.m.–11:30 a.m.

**Chairs:** Brent Woodfill; Lucia Henderson

**Abstract:** Throughout the Americas, Indigenous people lived in a landscape teeming with life, recognizing degrees of personhood in mountains, volcanoes, caves, springs, rivers, rocks, plants, archaeological sites, trees, and animals. As more scholars grapple with the implications of this perspective in our investigations, community relations, and interpretations, the complexities and capacities of this animate world have begun to come into focus. This session highlights scholarship from across the Americas that confronts and unpacks Indigenous relations with these “other” persons. Papers will build upon the fundamental acknowledgment of the personhood or person-like qualities of this living landscape in order to examine how Indigenous peoples interacted with the nonhuman agents that populated their world. By recognizing the central role these relationships played in the lives of the people we study, this session explores the myriad ways in which nonhuman agents occupied and affected the ancient world, from land management and tenure to economics, politics, migration, pilgrimage, trade routes, conquest, ethics, and philosophy. It also considers how the living landscape manifested, maintained, and structured relationships with ancestors and the past, as well as the ways in which it shapes (or should shape) current archaeological practice when scholars engage with descendant communities.

**Participants:** Brent Woodfill and Lucia Henderson; David Maki, Dianne Desrosiers and Sigrid Arnott; Kurt Dongoske, Giorgio Hadi Curti and Octavius Seowtewa; Jennifer Saracino; Sarah Jackson and Linda Brown; Joel Palka and Alice Balsanelli; Jonathan Dubois; Dennis Ogburn, Bill Sillar and Alexei Vranich; Nicola Sharratt and Ryan Williams; Christopher Davis; Anna Roosevelt

**Discussants:** Eleanor Harrison-Buck; Lisa Lucero

*Symposium* **REMAKING MAYA CIVILIZATION: SOCIAL AND POLITICAL TRANSFORMATIONS IN THE PROTOCLASSIC MAYA LOWLANDS**

**Time:** 8:00 a.m.–11:45 a.m.

**Chairs:** Melissa Burham; Luke Auld-Thomas

**Abstract:** The centuries spanning the transition from the Preclassic to the Early Classic periods in ancient Maya history, what many scholars observe as the Protoclassic (ca. 100 BC–AD 300), witnessed a profound reorganization in the lowlands: populations declined and relocated, political fortunes realigned, and material culture traditions differentiated along lines of class and geography. While it is now widely accepted that complex urban polities preceded the emergence of Classic Maya civilization, there has not been a comprehensive examination of how these societies were transformed and reconstituted during the Protoclassic, even as it has become clear that such an effort is crucial for understanding why Classic Maya civilization took the shape that it did. The papers in this session explore processes involved in major changes at various analytical scales, including macro-scale (e.g., climate change, regional population movements), meso-scale (e.g., cities and neighborhoods, warfare), and micro-scale (e.g., households), to understand how Classic Maya civilization emerged from its Preclassic predecessor, and explain why Classic institutions followed the paths they did. This session provides insights into collapse, transformation, social memory, and resilience during times of stress in complex societies.

**Participants:** Luke Auld-Thomas; Peter Douglas and Benjamin Keenan; Nicholas Dunning; Lisa LeCount; Jaroslaw Zralka, Bernard Hermes, Carmen Ting, Ronald Bishop and Wieslaw Koszkul; Melissa Burham; Omar Alcover and Ricardo Rodas; Simon Martin; Shannon Plank, Scott Hutson, Barry Kidder and Iliana Ancona Aragón; Jessica MacLellan; Astrid Runggaldier; Claire Ebert; Barbara Arroyo; Tatsuya Murakami, Shigeru Kabata and Julieta Lopez

*Symposium* **BIRDS IN ARCHAEOLOGY: NEW APPROACHES TO UNDERSTANDING THE DIVERSE ROLES OF BIRDS IN THE PAST**

**Time:** 8:00 a.m.–11:45 a.m.

**Chairs:** Katelyn Bishop; Randee Fladeboe; Christopher Schwartz

**Abstract:** Recent research in social zooarchaeology has demonstrated the diverse, reciprocal nature of relationships between animals and humans in the past. Despite growing interest in avifaunal remains from archaeological contexts, birds are often understudied and undervalued compared to other classes of fauna.

Birds played particularly multifaceted roles in many realms of prehistoric life. Human interaction with birds has been driven by concerns for subsistence and cuisine, economic production and trade, political legitimization and social status, decorative and artistic pursuits, and religion, ideology, and ritual practice; analysis of their remains and archaeological contexts can inform the study of almost every traditional aspect of archaeological research. The outcomes and implications of these interactions, including extinction and extirpation, effects on the environment and local bird populations, and changes in biogeography over time, extends the relevance of avifaunal studies beyond the archaeological spectrum to other social and natural sciences. The papers in this session demonstrate the wide range of research topics that avifaunal analysis can address, and the diverse ways in which birds were involved in prehistoric life. The breadth of this research demonstrates the great explanatory potential of the study of avifaunal remains and the relevance of these inquiries to a social zooarchaeology.

**Participants:** Cyler Conrad, Sandi Copeland, Kari Gates, Mary Faith Flores and Brian Kemp; Sean Dolan; Randee Fladeboe, Kitty Emery, Erin Thornton and Camilla Speller; Scott Kirk, Jonathan Dombrosky, Cyler Conrad and Emily Jones; Bruce Manzano, David Pollack and A. Gwynn Henderson; Robin Cordero and Jamie Stevens; Rachel Burger; Kristine Bovy, Michael Etnier, Virginia Butler and Campbell Sarah; Caitlin Ainsworth; Miranda LaZar and Jonathan Dombrosky; Kari Schmidt; Patricia Crown and Patrick Lyons; Christopher Schwartz and Kelley Taylor; Hannah Wellman, Megan Spitzer and Torben Rick; J. Ryan Kennedy and Christopher Grant

**General Session NEW RESEARCH IN CLASSIC MAYA ARCHAEOLOGY**

**Time:** 8:00 a.m.–11:45 a.m.

**Chair:** Mario Borrero

**Participants:** Elaine Schele; Haley Dougherty; Kristin Landau; Maria-Cristina Pineda de Carias, Vito Véliz and Ricardo Agurcia Fasquelle; Rosamund Fitzmaurice, Tia Watkins, Claire Ebert and Jaime Awe; Kenichiro Tsukamoto and Octavio Esparza Olguín; Anna Bishop; Nicholas Carter; Sergei Vepretskii, Dmitri Beliaev, Monica de Leon and Camilo Luin; George Kollias; Damien Marken, Matthew Ricker and Robert Austin; Jocelyne Ponce, David Chatelain and Marcello Canuto; Justine Shaw, Thania Ibarra and Justine Shaw; George Micheletti and Terry Powis; Mario Borrero, Luke Stroth and Geoffrey Braswell

**Sponsored Symposium FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF DEBRA L. MARTIN**

(Sponsored by Fryxell Committee)

**Time:** 8:00 a.m.–12:00 p.m.

**Chair:** Pamela Stone

**Abstract:** Professor Martin's extraordinary achievements in anthropology have crossed interdisciplinary boundaries to unpack the complexity of human experiences through direct archaeological and osteological analyses, theoretical scholarship, exhaustive publications, and her leadership across disciplines and within her teaching and mentoring. Her research has transformed our understanding how violent events are shaped, used, and experienced by people in the past, highlighting how violence impacts the lives of those on the margins. She is a role model in how to perform engaged, ethical, and forward-moving research. This session celebrates the ways her teaching, mentorship, and collaborative work has impacted her students and colleagues. The papers presented here reflect on Dr. Martin's rock-steady mentorship, leadership, and collaboration in the ways we all work to read the past and strive for humanistic and scientific models of inquiry, and consider our own research questions. She has significantly reshaped the field of bioarchaeology, biological anthropology, biocultural studies, and forensic sciences. She shows by example not only how to do good anthropology but how to be a good anthropologist. We take tremendous pleasure in sharing our experiences and scholarship to recognize Dr. Martin in honor of the Fryxell award.

**Participants:** Pamela Stone; Ventura Pérez; Ryan Harrod; Anna Osterholtz; Kathryn Baustian; Cheryl Anderson; Caryn Tegtmeyer; Claira Ralston, Debra Martin, Pamela K. Stone and Ventura Pérez; Diana Simpson; Mark Toussaint; Bethany Turner, Molly Zuckerman and Haagen Klaus; Kristin Kuckelman; Catherine Cameron; Alan Swedlund

**Discussant:** Debra Martin

**Symposium A CAREER ON AND OFF THE SHELF: DR. MICHAEL “SONNY” TRIMBLE, FROM CURATION TO FORENSICS AND POINTS IN BETWEEN**

**Time:** 8:00 a.m.–12:00 p.m.

**Chair:** J. W. Joseph

**Abstract:** This symposium celebrates Dr. Michael “Sonny” Trimble’s career, which has spanned more than 40 years. Since the 1970s, archaeology has changed significantly, and Dr. Trimble has been on the forefront of many of those changes, especially in regard to implementing innovative field techniques, helping to uncover the curation crises, and developing unique solutions to advance the realm of collections management. As the founding and long-term director of the U.S. Army Corps of Engineers’ (USACE) Mandatory Center of Expertise for the Curation and Management of Archaeological collections, Dr. Trimble and his team supported POW/MIA recovery missions, directed the Iraq Mass Graves project, established the Veterans Curation Program, and implemented USACE’s National Regionalization Effort. The papers in this session seek to honor his career, his legacy, and his continued contributions.

**Participants:** Charles Smith; Nancy Brighton; Mark Smith and Susan Malin-Boyce; Teresita Majewski; J. W. Joseph, Andrea Farmer, Andrea Gregory and Jasmine Heckman; David Knoerlein; Justin Buller and Andrea Gregory; Stefan Brannan and Mark Smith; Joseph Balicki and Susan Malin-Boyce; Kristina Whitney, William Hooker III and Andrea Gregory; James Wilde and Amy Williams; Andrea Farmer and S. Terry Childs; Mark Warner; Joseph Schuldenrein

**Discussants:** Andrea Gregory; Michael Trimble

**Symposium CENTRAL MEXICO AFTER TEOTIHUACAN: EVERYDAY LIFE AND THE (RE)MAKING OF EPICLASSIC COMMUNITIES**

**Time:** 8:00 a.m.–12:00 p.m.

**Chairs:** Sarah Clayton; Michelle Elliott

**Abstract:** The Epiclassic period, from about 550 to 850 CE, was a time of extraordinary social, political, and economic change in central Mexico. The Teotihuacan state had broken down, its governing institutions dissolved, and the population of its capital diminished to a fraction of its former size. The release of Teotihuacan’s grip over the surrounding region transformed a formerly consolidated subject territory into a fractious sociopolitical landscape coping with instability and conflict. However, this was also a time of remarkable innovation, growth, and resilience, as people moved, formed new communities, restructured networks of exchange, and adopted novel practices and institutions. In this symposium, we present recent and current research that examines these changes through diverse lenses, including everyday practices and material culture, landscape use and modification, and the sociopolitical and spatial organization of communities. Archaeological, biogeochemical, geophysical, and paleoethnobotanical research focusing on settlements near Teotihuacan and in surrounding regions will be discussed.

**Participants:** Natalia Moragas; Sarah Clayton; Luis Barba, Jorge Blancas, Agustin Ortiz, Ricardo Cruz and Sarah Clayton; Bianca Gentil; Bradford Andrews, Kenneth Hirth and Michael Glascock; Ricardo Cruz Jimenez; Michelle Elliott and Yoanna Herrera-Santos; Yoko Sugiura and Gustavo Jaimes Vences; Carolyn Freiwald, Kaedan O’Brien and Sarah Clayton; Marion Forest and Andrew Somerville; Angela Huster; Kimberly Bauer; Michelle Butler and Geoffrey McCafferty; Geoffrey McCafferty; Jerald Ek

**Symposium SHARED EXPERIENCES AND PERFORMATIVE BOUNDARIES: THE INTERSECTION OF TRAUMA AND MIGRATION**

**Time:** 9:00 a.m.–11:15 a.m.

**Chairs:** Katherine Shakour; Elise Alonzi

**Abstract:** In the archaeological and historical record we see evidence of trauma and the impact of upheaval on communities through both natural disaster and interpersonal violence. Scholars have explored the strategies and institutions, such as religion and government, that may contribute to regrouping of individuals, households, and societies. Migration may be connected to negative life events, and both trauma and migration are significant factors in the formation of community identities. In this session, we explore how past people experienced mobility, perhaps as a means to respond to these life-changing events. However, mobility may have also contributed to traumatic events in the lives of individuals and the community. The case studies examine the links between identity, migration, and trauma in the archaeological and

bioarchaeological record. Further, these papers focus on ways in which migration and trauma form the performative boundaries that define identities in past communities.

**Participants:** Katherine Shakour; Meagan Conway; Nicholas Ames; Lauren Couey; Kelsey Reese; Sofia Pacheco-Forés; Sarah Hall, Claudia Rojas Sepulveda and Kelly Knudson; Erica Ausel; Elise Alonzi, Barra O'Donnabhain and Kelly Knudson

*Symposium* **THE BIG PICTURE: MULTIPLE PERSPECTIVE CHRONOLOGIES WITH BAYES AND BEYOND**

**Time:** 9:00 a.m.–11:45 a.m.

**Chairs:** Lori Barkwill Love; Anthony Krus

**Abstract:** The Bayesian approach for chronology building has become increasingly applied over past decades to better understand archaeological activity at different spatial and chronological scales. Common techniques for big chronological understanding with Bayes range from the evaluation of multiple independent settlement chronologies to singular multisite models. Whereas, commonly used non-Bayesian approaches include summed probabilities or the mass calibration of measurements. Whatever method used, big chronology often aims to (1) explore diachronic cultural and demographic change, (2) develop large-scale historical narratives, and (3) address regional-specific issues of high intrinsic interest (environmental impacts, the development of cultural complexity, warfare, migration, depopulation, etc.). This session brings together papers that explore Bayesian-informed chronologies that aim to address larger-scale questions and grapple with the unique challenges related to modeling techniques and absolute dating. The goal of this session is to provide a platform for discussing and further evaluating the different chronological perspectives that modeling provides for big picture archaeological questions. An additional goal is to further consider how to best incorporate emerging and more specialized modeling approaches, such as wiggle matching, kernel density estimation modeling, and simulation experiments, into large-scale archaeological interpretation.

**Participants:** Nicholas Kessler, Gregory Hodgins, Matthew Guebard and Lucas Hoedl; Lori Barkwill Love; Myles Miller; Christopher Jazwa and Ryan Anderson; Jonathan Hanna, Matthew Napolitano, Robert DiNapoli, Jessica Stone and Scott Fitzpatrick; Anthony Krus, Timothy Rieth, Derek Hamilton and Robert DiNapoli; Derek Hamilton and Sophia Adams; Dusan Boric and Paul Duffy

**Discussants:** Thomas Pluckhahn; Caitlin Buck

*Symposium* **STRUCTURE AND MEANING OF MOGOLLON COMMUNAL SPACES AND PLACES IN THE GREATER AMERICAN SOUTHWEST, PART 1: MIMBRES, JORNADA, AND PAQUIMÉ**

**Time:** 9:00 a.m.–11:45 a.m.

**Chair:** Katherine Dungan

**Abstract:** The ancient Mogollon people of southern New Mexico and east-central Arizona had rich spiritual and ritual lives based on the presence of communal-type structures dating from the Early Pithouse period through the AD 1400s. The best known are the large “great kivas” at Pithouse period villages, but we know from decades of research that the Mogollon used a wide variety of communal-type structures ranging from extra-large pueblo rooms to plazas. With more recent work, we are beginning to better understand not just structural space represented by communal architecture but other kinds of ritual spaces, such as shrines, trails, and roads, for example, and how they articulate with the larger community and the landscapes surrounding them. Using insights gained from broader perspectives on Mogollon communal spaces and places, we are in a better position to understand cultural, social, and ritual meaning associated with them. This proposed symposium brings together the latest research on Mogollon communal and ritual spaces and places and will be of interest not only to American Southwest researchers but to all who have an interest in ritual behavior and action of ancient peoples.

**Participants:** Fumi Arakawa, Jordan Scott, Lindsey Cron, Dustin Wagner and Kristin Corl; Barbara Roth; Jakob Sedig; Darrell Creel; Robert Stokes and Joseph McConnell; Harry Shafer; David Greenwald; Kristin Corl and William Walker; Timothy Graves and Myles Miller; Todd VanPool and Christine VanPool

*Symposium* **THE SUBTERRANEAN IN MESOAMERICAN INDIGENOUS CULTURE AND BEYOND**

**Time:** 9:00 a.m.–12:00 p.m.

**Chairs:** Ann Scott; James Brady

**Abstract:** Mesoamerican cultures proclaim the central importance of landscape in both architecture and iconography as pyramids and temples replicate hills and caves. These landscape features are magnets that attract people to them and structure activities around them. This session focuses on the subterranean and its influence on indigenous culture in Mesoamerica and the Southwest. Subterranean features are particularly significant to archaeology in often holding purely ritual assemblages that represents the field's best context for studying the archaeology of religion.

**Participants:** Rebecca Slod; Melanie Saldana and James Brady; Jon Spenard; Holley Moyes and Erin Ray; Christina Iglesias; Brian Waldo; Michael Prout; Guillermo de Anda, Ana Celis and Karla Ortega; Cameron Griffith; Nicholas Poister and Laura Baumann; Scott Nicolay

*Symposium* **PLACE-MAKING IN INDIGENOUS MESOAMERICAN COMMUNITIES PAST AND PRESENT**

**Time:** 9:45 a.m.–12:00 p.m.

**Chair:** Gabrielle Vail

**Abstract:** Prehispanic Mesoamerican communities were defined by a shared identity based on a relationship to sacred geography and/or a charter with specific progenitor deities. Nahuatl-speaking communities were conceptualized as *altepetl* “water-mountain,” a concept broadly shared across Mesoamerica. Classic Maya foundational narratives highlight a central water source, surrounded by four natural or artificial sacred mountains. Recent expressions of these concepts occur among the Tz’utujil Maya in highland Guatemala, where creation is said to have begun at Lake Atitlán, and in Yucatecan communities organized around cenotes. This session examines further examples of place-making strategies, focusing on prehispanic Oaxaca and the Guatemalan Petén; sixteenth-century communities in Guerrero, Oaxaca, and Yucatán; the late nineteenth-century Caste War period in Yucatán; and present-day communities in highland Guatemala. Strategies discussed include the creation of sacred space—and community building—through ritual processions and specific iconographic programs, the transfer of wealth to reproduce sociogeographic identities, mapping communal history to maintain control over lands, the performance of traditional rituals within built environments having European antecedents, enacting ceremonies to create living space by harnessing the energy within the natural and built world, and the performance of renewal rituals associated with caves and other places of emergence.

**Participants:** Heather Hurst, Boris Beltrán, Franco Rossi, David Stuart and Karl Taube; Ronald Faulseit; Christine Hernandez; Amy George and Gabrielle Vail; Marilyn Masson, Carlos Peraza Lope, Bradley Russell and Timothy Hare; Rani Alexander; Allen Christenson; Judith Maxwell

*Sponsored Forum* **TEACHING INTEGRITY IN EMPIRICAL ARCHAEOLOGY**

(Sponsored by Open Science in Archaeology Interest Group)

**Time:** 10:00 a.m.–12:00 p.m.

**Moderators:** Ben Marwick; Alan Farahani

**Abstract:** In recent years, many social science disciplines have been rethinking what it means to do scientific research with integrity, often in response to embarrassing revelations of accidental or deliberate false results and underpowered, irreproducible, and thus unreliable findings. Some of the steps that other disciplines have been taking to ensure integrity is making code and data available with research publications and standardized reporting of statistical test results. To ensure these improvements are sustainable, disciplines such as economics, political science, ecology, biology, and psychology have also been changing their teaching practices to prepare students with the skills to work with integrity. This includes teaching statistics with open source software tools and conducting replication assignments in the classroom. While archaeology has not experienced credibility crises similar to other fields, we have a lot to gain by adopting the improvements that other fields are making. In this forum we will explore how archaeologists are updating their curricula to teach a scientific archaeology that centers transparency and integrity. We will discuss the principles, pedagogy, tools, and techniques that are currently in use, how current practices can be improved, and some possible pathways for future work.

**Discussants:** Raven Garvey; Li-ying Wang; Matthew Harris

*Symposium* **PALEOLANDSCAPES IN ARCHAEOLOGY: LESSONS FOR THE PAST AND FUTURE**

**Time:** 10:00 a.m.–12:00 p.m.

**Chair:** Mike Carson

**Abstract:** Given the fact that landscapes have transformed through time, their long-term chronologies are essential for situating archaeological sites in their original contexts, developing accurate knowledge of the human past, and providing relevant examples for current and future management of changing climate and sea level. Worldwide, studies have shown how ancient people have interacted with substantial transformation in coastlines, forests, water sources, and overall habitat ecologies. This session's participants are encouraged to offer examples of how natural and cultural histories have inter-related through various challenges, toward identifying the factors that have been successful and unsuccessful for adapting through the changing world that we inhabit.

**Participants:** Andrea Freeman; Ian Buvit; Lisa Maher, AJ White, Jordan Brown, Matthew Jones and Christopher Ames; Kara Fulton; Rachel Cajigas; Gary Huckleberry; Lindsey Cochran, Victor Thompson and Bryan Tucker; Mike Carson

*Symposium* **MAKING “MEANING”: ARCHAEOLOGY, ART, AND THE LEGACY OF TERENCE GRIEDER**

**Time:** 10:00 a.m.–12:00 p.m.

**Chairs:** Rex Koontz; James Farmer

**Abstract:** For 40 years, Terence Grieder taught art history in the Department of Art at the University of Texas in Austin, retiring as David Bruton Jr. Centennial Professor of Art History in 2000. As a specialist in Ancient and Latin American art, his scholarship was driven by a firm commitment to both the positive and negative aspects of the emerging hybridization of archaeological and art historical methodologies. Though known primarily for his work in the Andes, his scholarship spanned the broad temporal, cultural and intellectual range of the Americas, including Archaic rock art of the American Southwest, Maya ceramics, modern Latin American art of Mexico, and ancient Andean ceramics and architecture. We invite presentations that critically reflect or reconsider any aspect, positive or negative, of the techniques or influence of Grieder's early approach to the interpretation of ancient American culture, regardless of area or media focus. Topics may range from specific case studies to broader theoretical models.

**Participants:** James Farmer; Michael Carrasco; Reinaldo Morales Jr.; Yumi Huntington; Katherine Roman; Ana Nieves; Chelsea Dacus; Virginia Miller

*General Session* **NEW DEVELOPMENTS IN PUEBLOAN ARCHAEOLOGY**

**Time:** 10:15 a.m.–12:00 p.m.

**Chair:** Daniel Perez

**Participants:** Jaye Smith and Jeffrey Clark; Anna Dempsey Alves; John Moretti; Caitlin Stewart, Mark Brodbeck, Emily Engan, William Gulley and Caitlin Stewart; Daniel Perez and Karen Harry; Benjamin Van Alstyne, Karen Harry and Daniel Perez; William Graves

*Symposium* **APPROACHES TO THE ARCHAEOLOGY OF HEALTH: SEWERS, SNAKEBITES, AND SKELETONS**

**Time:** 10:30 a.m.–11:45 a.m.

**Chair:** Taylor Zaneri

**Abstract:** What is “health” and how do societies promote and create it? The WHO states “health” is defined not just “by the absence of illness but is a state of wellness, physically, mentally and socially.” However, health is not a static concept and varies widely within and among cultures and settings. Moreover, health is negotiated between individuals, families, and communities, and between human and nonhuman populations. How can we examine conception(s) of health archaeologically? What can we say about health practices on an individual, neighborhood, and community level? And how can we investigate variations in health by race, class, gender, age, and species? Typically, archaeological approaches to health focus on identifying disease, malnutrition, or wounds through osteological analysis, and increasingly through aDNA. However, we also seek papers that examine other aspects of health such as preventative measures, wellness promoting activities, and healing. Topics could include water infrastructure, sanitation systems, spatial planning of hazardous activities, the construction of living environments, fire prevention, zoonotic outbreaks, trash

disposal, the use of medicines, and healing practices, as well as bioarchaeological studies. Our goal is to make full use of the archaeological record to examine how health was conceived of, experienced, and enacted in the past.

**Participants:** Joshua Schnell; Brendan Weaver, Lizette Muñoz and Karen Durand; Vivian Scheinsohn, Fabián Crespo, Paula Miranda, Florencia Rizzo and Denise Evans; Taylor Zaneri

**Discussant:** Rita Wright

*Symposium* **TECNOLOGÍAS APLICADAS Y MÉTODOS DE ESTUDIO EN LAS NUEVAS PERSPECTIVAS DE LA ARQUEOLOGÍA OAXAQUEÑA**

**Time:** 10:30 a.m.–12:00 p.m.

**Chairs:** Dante García; Nelly Robles García

**Abstract:** Esta sesión presenta los avances en los estudios de la arquitectura y poblaciones antiguas del Estado zapoteco y sus zonas de influencia desde el Formativo Tardío hasta el Clásico Tardío, temporalidad que enmarca la aparición y abandono de Monte Albán. Los estudios que se presentan enmarcan múltiples intereses científicos, desde los derivados de la protección y atención del patrimonio en base a su amplio diagnóstico, hasta las diferentes líneas de investigación por diversos autores, empleando novedosos adelantos tecnológicos y técnicas de investigación para su registro y estudio. Entre los temas tratados se encuentran el estudio de la dieta de los antiguos pobladores, diferencias encontradas entre los diferentes pueblos y temporalidades; la composición química de ciertos minerales empleados en la elaboración de bienes suntuarios y por ende el conocimiento o reafirmación de redes de intercambio y comercio; avances en el conocimiento y empleo de técnicas de análisis y diagnósticos en la arquitectura prehispánica; rituales de abandono y cancelación de espacios; así como los recientes descubrimientos en cosmovisión y religión.

**Participants:** Nelly Robles García; Miguel Galván Benítez; Dante García, Nelly Robles García and Axel Andrade Perez; Axel Andrade Pérez; Soren Frykholm, Nelly Robles García and Dante García

**Discussant:** Logan Wagner

*Symposium* **LA CASA DEL LINAJE DEL ARMADILLO: RECIENTES HALLAZGOS EN TAMTOC, SAN LUIS POTOSÍ**

**Time:** 10:30 a.m.–12:00 p.m.

**Chair:** Patricia Hernández Espinoza

**Abstract:** During the 2015 field season, we excavated Structure F7, located within the group F, in the ancient city of Tamtoc, nestled in the Huasteca of San Luis Potosí. Both the elements of material culture and the offerings associated with the recovered human burials make it possible to suggest that it was a site of ritual importance within the sociopolitical structure of Tamtoc. At one end of the structure, an altar was located that contained the complete skeletal remains of an armadillo (*Dasypus novemcinctus*), providing a clear totemic message about the identity of those who were buried in the structure and also giving rise to the name of this session.

**Participants:** Guillermo Córdova Tello and Estela Martínez Mora; Estela Martínez Mora and Guillermo Córdova Tello; Norma Valentin, Norma Valentín Maldonado, Miguel Ángel Butrón Cruz, Estela Martínez Mora and Adrián Velázquez Castro; Patricia Hernández Espinoza; Miguel Ángel Butrón Cruz and Norma Valentín Maldonado

**Discussant:** Kim Richter

*Symposium* **CLIMATE RESILIENCE AND ADAPTATION: METHODS, APPROACHES, AND CASE STUDIES**

**Time:** 10:30 a.m.–12:00 p.m.

**Chair:** Charlotte Goudge

**Abstract:** The implications of climate and climate change have throughout the longue durée presented a constant and complex concern for human societies. Resilience, defined as the capacity for socio-ecological systems to absorb stresses, adapt, reorganize, and evolve into new or more effective systems in the face of change or transformation has garnered much attention of late. Archaeology, a discipline with extensive capability for evaluating human/environmental relations, is well placed to add to interdisciplinary debates on these great societal challenges and synthesize adaptation, resilience, and transformation within the context of cultural and environmental disputes. With the rising awareness of climate change in worldwide societies,

this session is designed to showcase approaches and interdisciplinary case studies for research into global climate related resilience and adaptation.

**Participants:** Seren Griffiths; Tristram Kidder; Seth Grooms; Paul Roscoe; Arik Bord and Charlotte Gouge; Sarah Miller, Sara Ayers-Rigsby, Karen Walker, Rachael Kangas and Michelle LeFebvre

*Poster Session* **ARTIFICIAL INTELLIGENCE, DRONES, LIDAR, AND MACHINE LEARNING: NEW APPROACHES TO ARCHAEOLOGICAL DATA COLLECTION AND ANALYSIS**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Dylan Schwindt, Kari Schleher, Michelle Turner, Grant Coffey and Jerry Joplin; Lawford Hatcher, Emily McKenzie, Juan Monzon, Caleb Ranum and Katherine Chiou; William Gardner-O'Kearny; Andrea Carvey; Mason Miller; Brady Liss, Matthew Howland, Anthony Tamberino, Scott McAvoy and Thomas Levy; Ted Parsons; Connor Johnen, Michael Prouty and Matthew Landt; Mark Varien, Grant Coffey, Gert Riemersma, Vincent MacMillan and Steve McCormack; Austin Hill, Elise Jakoby Laugier, Jesse Casana, Mark McCoy and Kelsey Reese; Keri Porter, Kaelyn Olson and Andrea Lopez; Paula Hertfelder, Alejandra Abrego and Cinthia Campos; Jacob Jepsen, Scott Ure, Ridge Anderson and Michael Searcy; Amanda Gozner, Peter Ungar and Erik Otárola-Castillo; Zachary Newell, Andrew Robbins, Michael Moreno, Morgan Smith and Ji-Wan Han

*Poster Session* **ARCHAEOLOGY OF THE NORTHERN SOUTHWEST**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Natalie Patton, Wyatt Benson, Mitchell Cleveland, Eric Gilmore and Olivia Fry; Genevieve Woodhead; Katherine Portman, Sherri Middleton, Galen McCloskey and Sarah Page; Jack Berner and R. J. Sinensky; Maxwell Forton; Alexandra Covert; William Willis and Elizabeth Shikrallah; Michael Adler; Marielle Pedro Black and Sandra Arazi-Coombs; Jana Meyer; Samuel Duwe; Austin Norris, Hannah Mattson and Joseph Birkmann; Caitlin Baker, Sydney Stenstrom and Heather Smith; Marion Coe; Joseph Bryce, Spencer F. X. Lambert and Brady L. Robbins

*Poster Session* **ARCHAEOLOGY OF THE FOUR CORNERS AREA**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Tim Hovezak, Gary Ethridge, Kay Barnett and Donna Glowacki; Kari Schleher, Michelle Turner, Mariana Lujan Sanders, Genevieve Woodhead and Daniel Leja; Sandra Zarzycka; Clay Jaskowski and Kelsey Reese; Christine McAllister and Sheldon Baker; David Dove; Sean Field, Donna Glowacki, Tim Hovezak and Kelsey Reese; Kellam Throgmorton and Susan Ryan

*Poster Session* **ARCHAEOLOGY OF MESOAMERICA**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Mayra Arzate; Caitlin Davis; David Carballo, Daniela Hernández Sariñana, Maria Codlin, Alfredo Saucedo and Pablo Correa; Susan Toby Evans; Melissa Badillo and Elizabeth Shikrallah; Nicholas Puente and Philip Arnold; Lacey Carpenter; Lisa Duffy; Ellen Pacheco, Elizabeth Paris and Roberto López Bravo; Miranda George, Elizabeth Paris and Roberto López Bravo; Mark Porter; Colleen O'Brien; Emily Kate, J. Heath Anderson, Douglas Kennett and John Krigbaum; Destiny Crider, Daniel Pierce, J. Heath Anderson and Michael Glascock; Erik Jurado, Mario Cordova Tello, Carolina Meza Rodríguez and Gerardo Gutierrez; Daniela Hernández Sariñana

*Symposium* **RETHINKING METHODOLOGIES IN ARCHAEOLOGY BASED ON DIVERSE EXPERIENCES IN GUATEMALA**

**Time:** 10:45 a.m.–12:00 p.m.

**Chair:** Adriana Linares-Palma

**Abstract:** Recently, archaeologists working with indigenous communities of Guatemala have gone through difficulties to successfully conduct research. Given the diverse contexts in which archaeologists work, sometimes the situation becomes aggressive as a response of local communities to defend themselves by marking boundaries over contested cultural heritage. In this panel, we share our own experiences when



conducting archaeology at four different communities by addressing these questions: What challenges have we faced during fieldwork that have forced us to question how appropriate are our methodologies? What does it mean to conduct archaeological research within contexts of hostile history? How are we interacting with people from communities? How are we defining “community” from our own experiences? This is an invitation to reflect on the diversity of methodologies that we use, on how we address dialogues and negotiations with populations associated with heritage to investigate their past, and how we navigate confrontations with the communities during fieldwork. Is this a matter of who conducts research? Or is it a deeper issue that has to do with coloniality of knowledge? These questions are framed within an urgent need to develop a more nuanced approach at all levels within the communities in which we work.

**Participants:** Chloé Andrieu; Alexander Rivas; Adriana Linares-Palma; Iyaxel Cojti-Ren

**Discussant:** Chloé Andrieu

### **Friday Afternoon, April 24**

#### **Forum TO THE ACADEMY AND BEYOND: A BIOARCHAEOLOGY EMPLOYMENT FORUM**

**Time:** 1:00 p.m.–3:00 p.m.

**Moderators:** Katharine Kolpan; Samantha Blatt; Amy Michael

**Abstract:** Over the last few years, the Society for American Archaeology has hosted forums related to the pursuit of academic and industry jobs in archaeology. These forums have been informative, but they have not been designed for bioarchaeologists. This forum specifically addresses the concerns of bioarchaeology students and early career professionals and academics. Attendees will better understand options within academia, industry, museum work, and other alt-academic positions. The forum is comprised of early career professional bioarchaeologists, both in and outside of academia, who have recently obtained their current positions. While the forum will have a question/answer focus, panelists will briefly discuss their job market experiences and offer advice related to topics such as sharing knowledge about where and how to find job opportunities outside of academia, useful listservs, using social media to find opportunities, how to tailor materials for applications, what to (not) do in phone/Skype/campus interviews, how to respond to diversity questions, how to receive constructive feedback, etc. Before the meeting, organizers will circulate an informal questionnaire e-mail to their professional networks asking about the issues people wish they were able to address before and during the job search process. Responses will be used to guide the panel discussion.

**Discussants:** Samantha Blatt; Amy Michael; Katharine Kolpan; Julia Prince-Buitenhuis; Amber Heard-Booth; Lisa Bright; Sarah Kindschuh; Stacy Drake; John Krigbaum; Ellen Lofaro; Andrew Somerville; Maranda Kles

#### **Forum LAND AND WATER REVISITED: FILM PREMIER EVENT**

**Time:** 1:00 p.m.–3:00 p.m.

**Moderator:** Kirk French

**Abstract:** *Land and Water Revisited* is a remake of William T. Sanders’s landmark 1962 documentary *Land and Water: An Ecological Study of the Teotihuacán Valley of México*. The original film provides an invaluable snapshot of agricultural and land-use practices in the area just prior to the urban explosion of Mexico City. Sanders documented farmers using splash irrigation, women washing clothes at a nearby spring, as well as pulque production. Cultural conservation was not the intention of the original film, but it is a sobering reminder of how quickly traditional landscapes and cultural adaptations vanish when sustainability is ignored. The new film highlights the overwhelming number of environmental challenges in the valley and the stories of adaptation as told by the local inhabitants. It is the story of the people of the Teotihuacan Valley and their relationship to their changing environment. In many ways this is a cultural salvage project, as many of the people who have vivid memories of the 1950–1960s are now in their seventies and eighties. This forum consists of (1) an airing of the 28-minute original film from 1962; (2) the one-hour premiere of *Land and Water Revisited*; and (3) an 80-minute discussion and Q&A with eight panelists.

**Discussants:** Richard Diehl; Rebecca Storey; David Webster; Jeffrey Parsons; Randolph Widmer; Charles Stanish; Deborah Nichols; Charles Kolb

**Forum So, YOU HAVE TO MOVE OUT OF YOUR PARENTS' BASEMENT AND GET A JOB!**

**Time:** 1:00 p.m.–3:00 p.m.

**Moderators:** Kimball Banks; Jennifer Lapp

**Abstract:** The profession is changing. More students are graduating, but traditional academic positions are becoming fewer and more competitive. So where are the jobs and what does the future look like? Most archaeologists today are employed in CRM, but even that field is changing as there is an increasing need not only for trained generalists but also specialists. This session is aimed at and for those who have recently received their degree or are about to graduate. The purpose is for professionals to discuss where the jobs are today and where they will be in the future—and the skills needed now and in the future to land a job and keep it.

**Discussants:** Duane Peter; Karin Larkin; Michelle Slaughter; David Witt; Charles Bello; Sarah Herr; Rebecca Hawkins; Rebecca Simon

**Lightning Rounds MULTISCALAR APPROACHES TO EXTRAPOLATING SOCIOPOLITICAL BOUNDARIES IN THE MAYA LOWLANDS**

**Time:** 1:00 p.m.–3:00 p.m.

**Moderators:** Amy Thompson; John Walden

**Abstract:** Since the development of settlement archaeology over 70 years ago, archaeologists have attempted to model ancient social and political boundaries from large-scale, regional boundaries between political centers to small-scale, intrasite communities of practice and neighborhoods. While many studies have extrapolated social boundaries using methods such as gravity models, Thiessenian polygons, agent-based modeling, social network analysis, nearest neighbor analysis, and least cost paths, few studies have compared the results of the same methods within a single spatial and temporal region. This lightning round focuses on identifying multiscale boundaries in the Classic period (AD 250–800) Maya region using two methods: Kernel Density and Xtent. Kernel Density provides a more “bottom-up” perspective as it incorporates spatial data relating to the number of and density of households, while the Xtent model provides a more “top-down” perspective as it projects a territory of area of control based on the volume or size of a center. Results of these two methods are presented from projects, with extensive settlement surveys and comparable datasets, across the Maya region demonstrating how these methods impact our interpretations across varied landscapes. Our understanding of boundaries impacts our perceptions and interpretations of the ancient Maya, making our discussion of boundary epistemology imperative.

**Discussants:** Heather Richards-Rissetto; Jessica Munson; Adrian Chase; Shane Montgomery; George Micheletti; Bernadette Cap; Sherman Horn; Eric Fries; Melvin Guzman Piedrasanta; Damien Marken; Timothy Hare; Scott Hutson; Brett Houk

**Symposium STRUCTURE AND MEANING OF MOGOLLON COMMUNAL SPACES AND PLACES IN THE GREATER AMERICAN SOUTHWEST, PART 2: GILA AND HIGHLANDS**

**Time:** 1:00 p.m.–3:15 p.m.

**Chair:** Robert Stokes

**Abstract:** The ancient Mogollon people of southern New Mexico and east-central Arizona had rich spiritual and ritual lives based on the presence of communal-type structures dating from the Early Pithouse period through the AD 1400s. The best known are the large “great kivas” at Pithouse period villages, but we know from decades of research that the Mogollon used a wide variety of communal-type structures ranging from extra-large pueblo rooms to plazas. With more recent work, we are beginning to better understand not just structural space represented by communal architecture but other kinds of ritual spaces, such as shrines, trails, and roads for example, and how they articulate with the larger community and the landscapes surrounding them. Using insights gained from broader perspectives on Mogollon communal spaces and places, we are in a better position to understand cultural, social, and ritual meaning associated with them. This symposium brings together the latest research on Mogollon communal and ritual spaces and places and will be of interest not only to American Southwest researchers but to all who have an interest in ritual behavior and action of ancient peoples.

**Participants:** Erin Baxter, Michele Koons, Steve Nash, Deborah Huntley and Octavius Seotewa; Tammy Stone; Stephanie Whittlesey and James Reid; Katherine Dungan; Karl Laumbach; Gabriella Zaragosa,

Robert Hard, John Roney, Arthur MacWilliams and Mary Whisenhunt; Karen Schollmeyer

**Discussant:** Stephen Lekson

*Symposium* **VOLCANIC HAZARDS AND HUMAN RESILIENCE IN LATIN AMERICA**

**Time:** 1:00 p.m.–3:15 p.m.

**Chair:** Rebecca Mendelsohn

**Abstract:** From Mexico to Chile, peoples across Latin America settled along a series of volcanic ranges associated with the circum-Pacific “Ring of Fire.” Life “under the shadow” of volcanoes exposed inhabitants to frequent risk of eruptions and earthquakes. Yet occupations in these volatile areas often spanned considerable time depth. This interdisciplinary session aims to evaluate how prehispanic peoples adapted to life in volcanically active zones. Guiding questions include: What types of volcanic hazards were experienced by Latin American peoples throughout history? How did they respond? What references to volcanic phenomena can be found in art and ritual practices? Are there modifications to domestic life and agricultural land use that suggest adaptive responses to volcanism? Why did peoples impacted by volcanic eruptions return to affected areas? Do cultural similarities exist among peoples occupying volcanically active zones that crosscut traditionally-defined culture areas? Perhaps most importantly, can archaeological models of volcanic hazards and human responses be helpful for contemporary populations occupying volcanically active zones?

**Participants:** Rebecca Mendelsohn and José Luis Macías; Lucia Henderson; Carrie Dennett and Lorelei Platz; Venicia Slotten; Rachel Egan; James Zeidler; Karen Holmberg; Walter Little

**Discussant:** Payson Sheets

*Symposium* **THE PRECLASSIC LANDSCAPE IN THE MOPAN VALLEY, BELIZE**

**Time:** 1:00 p.m.–3:30 p.m.

**Chairs:** Whitney Lytle; M. Kathryn Brown

**Abstract:** Recent research in the Mopan River valley, Belize, has documented a robust Preclassic occupation. Evidence suggests that this region was first settled during the Archaic period and was continually inhabited through the Terminal Classic period. E Groups represent the earliest public/ritual architecture. A formal ceremonial center with an E Group, large platforms, and plazas was present at Early Xunantunich by the Middle Preclassic. The E Group at Las Ruinas de Arenal was also founded during this time. E Groups became more widespread by the beginning of the Late Preclassic as seen at Actuncan, Tunchilen, and Chan. Throughout the Preclassic, there is an expansion of settlement and evidence of formal ritual circuits including hilltop shrines and specialized ritual architecture in hinterland zones. The papers in this session present current research on the Preclassic period from several different archaeological projects. Although each paper presents a unique empirical dataset, the combined research demonstrates that through construction and ritual activities, the Preclassic Maya of the Mopan valley shaped and inscribed a sacred and political landscape. The social memory of these religious and political activities endured for centuries, laying the foundation for their Classic period successors.

**Participants:** M. Kathryn Brown; Zoe Rawski; Alessandra Villarreal; Victoria Ingalls; Rachel Horowitz and M. Kathryn Brown; David Burns; Borislava Simova; Tia Watkins, Jaime Awe, Claire Ebert and Douglas Tilden; Whitney Lytle

**Discussant:** George Bey

*General Session* **HISTORIC ARCHAEOLOGY IN EUROPE AND THE MEDITERRANEAN**

**Time:** 1:00 p.m.–3:30 p.m.

**Chair:** Kate Trusler

**Participants:** Kate Trusler, Jessica Bernstetter, Wayne Lorenz and G. Martin-Apostolatos; Jessica Bernstetter, Kate Trusler and Wayne Lorenz; Heather Rosch; Petra Vaiglova, Gideon Hartman and Guy Bar-Oz; Andrea Vianello and Robert Tykot; Sandra Scham; Britta Spaulding; Christopher Witmore and Bjørnar Olsen; Emily Briggs, Lia Betti, Todd Rae, George Kamenov and John Krigbaum; Daniela Turcanu-Carutiu, Ion Rodica-Mariana, Alessandro Ravotto, Sorin Tincu and Verginica Schroder

*General Session* **PUBLIC AND COMMUNITY ARCHAEOLOGY**

**Time:** 1:00 p.m.–3:30 p.m.

**Chair:** Benjamin Steere

**Participants:** Stanley Bond; Kristin Hoppa, Matthew Vestuto and Jennifer Perry; Anna Sloan and Annie Caruso; Annie Caruso; Corey Knox, Sara Chavarria, Barbara Mills and Stanley Bond; Aimée Carbaugh; Benjamin Steere; Paula Porubcan, Paula Bryant, James Meierhoff and Artur Stasiek; Abby Mann; Corey Bowen, Benjamin Schaefer and Corey Bowen

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

**Time:** 1:00 p.m.–3:45 p.m.

**Chairs:** Michael Heckenberger; Helena Pinto Lima

**Abstract:** This session brings together researchers working in different portions of the Xingu River basin, a primary tributary of the Amazon. Recent archaeological and anthropological research reveal a complex and diverse cultural and environmental history extending from late Pleistocene to contemporary indigenous, maroon (*quilombola*), and riverine (*ribeirinhos*) occupations. The session focuses on core areas of the basin, the “Xingu corridor,” which forms one of the largest protected areas of tropical biocultural diversity in the world. It highlights how indigenous and traditional communities and practices have created complex anthropogenic landscapes over the millennia and have significant implications for conservation and sustainability in the region today. Current pressures include a spike in deforestation in the southern Amazon’s “arc of deforestation,” which threatens local communities, biodiversity, and the functional integrity of regional ecosystems. The session considers the Xingu basin as a meso-scale area of analysis in Amazonia, a level of analysis generally lacking from regional studies, which tend to focus on minimal sampling in small plots or macroscopic remote sensing analyses to the expense of in-depth contextualized studies. Such in-depth studies, by necessity conducted in partnership with local communities, are precisely what is needed for archaeology to be relevant cultural heritage rights and sustainability.

**Participants:** Michael Heckenberger; Jennifer Watling and Morgan Schmidt; Morgan Schmidt and Jennifer Watling; Fabiola Silva and Lorena Garcia; Bruna Rocha, Vinicius Honorato, Márcio Amaral, William Balée and Lana Guimarães Melo; Renato Kipnis, Solange Caldarelli, Letícia Muller, Andrey Castro and Aguinaldo Marques; Helena Pinto Lima; David Wright, Ke Dong, Jonathan Adams and Helena Pinto Lima; Andrew Wyatt, Laura Furquim and Helena Lima; Kyle Harper

**Discussant:** Eduardo Neves

*General Session* **ADVANCES IN PALEOLITHIC ARCHAEOLOGY**

**Time:** 1:00 p.m.–4:00 p.m.

**Chair:** Dan Cabanes

**Participants:** Emily Coco, Simon Holdaway and Radu Iovita; Joseph Wayman; Britt Bousman, Kristen Wroth, Chantel Tribolo, Lloyd Rossouw and Michael Toffolo; Mel Miller; Dan Cabanes, Diego Angelucci, Valentín Villaverde, Josefina Zapata and João Zilhão; Matthias Blessing, Patrick Schmidt and Claudio Tennie; Wei Chu, Adrian Dobos, João Marreiros, Alex Ciornei and Jürgen Richter; Gillian Wong, Dorothée Drucker, Britt Starkovich and Nicholas Conard; Kaoru Akoshima and Hyewon Hong; Jiaqi Wang, Chunxue Wang and Lishuang Sheng; Tianxu Wei, Chunxue Wang, Jixiang Song, Jiaxin Dou and Jiaqi Wang; Marisa Borreggine, Evelyn Powell, Richard Meadow, Jerry Mitrovica and Christian Tryon

*Sponsored Symposium* **MULTIDISCIPLINARY INVESTIGATIONS IN THE MIRADOR BASIN, GUATEMALA: NEW INSIGHTS INTO THE ORIGINS AND DYNAMICS OF INCIPIENT MAYA CIVILIZATION**

(Sponsored by Foundation for Anthropological Research & Environmental Studies [FARES])

**Time:** 1:00 p.m.–4:15 p.m.

**Chair:** Richard Hansen

**Abstract:** Multidisciplinary investigations in the Mirador Basin of northern Guatemala have provided a new perspective of the origins and dynamics of incipient Maya civilization, including data on settlement patterns, sampling strategies, demographic distributions, chronological evaluations, DNA and isotope analyses,

geological studies, architectural formats, and formation of complex political, social, and economic structures. Incorporation of extensive lidar data combined with archaeological investigations at numerous sites on a regional basis have provided evidence of the process and formation of a complex state by the Middle Preclassic period (ca. 1000–400 BC), with an apogee during the early Late Preclassic period (ca. 300 BC). The transformations into state-level formations suggest that the initial impetus was due to agricultural intensification and population logistics that formed the need for administrative centralization and the formation of government, which, when combined with competitive ideologies and peer-polity interactions, allowed increasing sociopolitical complexity. The cultural and environmental sagas in the Basin had a lasting and profound impact on subsequent Maya social and economic structure and historical trajectories, and provide new theoretical and methodological avenues of research and can further elucidate Maya social process.

**Participants:** Richard Hansen, Edgar Suyuc, Carlos Morales-Aguilar and AnaBeatriz Balcarcel; Ross Ensley, Richard Hansen, Carlos Morales-Aguilar and Josie Thompson; Enrique Hernandez, Enrique Hernández, Richard Hansen, Carlos Morales and Francisco López; Alejandro Patino-Contreras; Carlos Morales-Aguilar; Richard Paine, Enrique Hernandez and Richard Hansen; Sara Dalton; Richard Terry and Daniel Bair; Glenna Nielsen-Grimm and Richard Hansen; AnaBeatriz Balcarcel

**Discussants:** Richard Hansen; Norman Hammond

#### *General Session* **ICONOGRAPHY AND EPIGRAPHY IN THE AMERICAS**

**Time:** 1:00 p.m.–4:15 p.m.

**Chair:** Katharine Fernstrom

**Participants:** Katharine Fernstrom; Bill Iseminger; Thomas Alex; Garth Norman; Kathryn Florence; Mallory Matsumoto; Natalie Bankuti; Stephen Houston and Karl Taube; Xavier McClean, Traci Ardren and Harri Kettunen; Zachary Lindsey; Alexander Safronov; Maline Werness-Rude and Kaylee Spencer; Jeffrey Splitstoser and Jon Clindaniel

#### *Symposium* **THE BETHEL CEMETERY RELOCATION PROJECT: HISTORICAL, OSTEOLOGICAL, AND MATERIAL CULTURE ANALYSES OF A NINETEENTH-CENTURY INDIANA CEMETERY**

**Time:** 1:00 p.m.–4:45 p.m.

**Chair:** Brooke Drew

**Abstract:** Due to unavoidable redevelopment and facility expansion, the Indianapolis Airport Authority contracted with the cultural resource management specialists of Cardno to conduct public coordination, background research, field documentation, geophysical investigation, excavation, and ultimately relocation of individuals buried in the Bethel Cemetery (12MA1025), located in Decatur Township, Marion County, Indiana. This once rural cemetery, likely established in 1827, was utilized by early Indiana settlers and their descendants until 1935. In the summer of 2018, 543 burials, only 135 of which were marked with extant headstones, were removed by Cardno in collaboration with faculty and students from Indiana University-Purdue University, University of Indianapolis, and Indiana State University. Subsequent osteological and material culture analyses were conducted prior to reburial at a new cemetery in August 2019. The new cemetery location was rededicated September 2019. This symposium presents ongoing research related to this excavation and associated lab analyses. Specific paper topics include project background information, Bethel Cemetery's history, photogrammetry and imaging of the cemetery landscape and individual burials, bioarchaeological investigation of the human remains including demography and paleopathology, kinship and spatial patterning of burials, above- and below-ground material culture analyses, and collaborations with the living descendant community.

**Participants:** Kathleen Settle; Hunter Herzog and Brooke Drew; Joshua Myers and Alex Badillo; Aaron Estes; Jeremy Wilson, Grace Bocko and Olivia Messenger; Gretchen Zoeller; Allie Powell and Jeremy Wilson; Megan Hoffman; Brooke Drew; Micca Metz; Jillian Okray; Armando Anzellini; Ryan Peterson and Amy Johnson

**Discussant:** Patricia Richards

**Symposium ANCIENT MESOAMERICAN EXCHANGE SYSTEMS AND ECONOMY: BUILDING ON THE WORK OF RONALD BISHOP, PART 2**

**Time:** 1:00 p.m.–4:45 p.m.

**Chair:** Erin Sears

**Abstract:** Application of neutron activation analysis (NAA) to archaeological materials started in the 1960s. Yet it was in the 1970s that INAA really took off when the field recognized its great potential for study of exchange systems and economies. That occurred in large part due to the influence of an early adopter in archaeology, Ronald Bishop. With his unique background, Bishop coupled a chemist's understanding of the technique with an archaeologist's and anthropologist's understanding of what constituted an important problem. He also recognized that meaningful interpretation of precise chemical and mineralogical characterizations of ceramics required understanding the ceramic studies of collaborating archaeologists and the full culture-historical context of samples. Over four+ decades, Bishop and his collaborators have brought hard data to the study of material-exchange systems across Mesoamerica, from the southern periphery in Nicaragua to the northern periphery in the U.S. Southwest. His contributions to understanding Maya economic systems have been particularly numerous and influential. To recognize his work and build on it, a number of Bishop's current and past collaborators will report new results, evaluate interpretations, or synthesize studies that employ NAA or other characterization techniques to advance the study of Mesoamerican economies. Second of two sessions.

**Participants:** Catharina Santasilia; William Folan, Joel Gunn and Maria del Rosario Dominguez Carrasco; Jean-Baptiste Le Moine and Christina Halperin; Jaime Awe, Claire Ebert, Lauren Sullivan and Jillian Jordan; James Brady; Roberto López Bravo, Elizabeth Paris and Timothy Sullivan; Megan Leight and Brent Woodfill; Larry Steinbrenner, Carrie Dennett and Silvia Salgado; Miriam Stark, Peter Grave, Lisa Kealhofer, Piphall Heng and Darith Ea; Veletta Canouts; Marc Marino and Wesley Stoner; Erin Sears; Arthur Demarest, Paola Torres, Mélanie Forné and Chloé Andrieu

**Discussants:** Arthur Demarest; Ronald Bishop

**Symposium DANCING THROUGH ICONOGRAPHIC CORPORA: A SYMPOSIUM IN HONOR OF F. KENT REILLY III**

**Time:** 1:00 p.m.–4:45 p.m.

**Chairs:** Shawn Lambert; Bretton Giles; John Stauffer

**Abstract:** F. Kent Reilly III is a founding member of the Mississippian Iconography Workshop who has worked tirelessly to organize these yearly symposia that are often held at the University of Texas at San Marcos. This also entailed convincing and cajoling Mississippian archaeologists with diverse perspectives into attending these conferences and working together. Additionally, Kent has been an extremely productive scholar who has published on various topics related to Olmec, Mississippian, and historic Native American iconographic motifs, themes, and beliefs. His iconographic analyses of prehistoric symbols from Mesoamerica and the Southeastern U.S. have inspired several generations of students, colleagues, and other archaeologists. He has served, as well, as a mentor and advisor who has shepherded students into archaeology and onward into a variety of professional positions. In this symposium, we offer iconographic analyses in Kent's honor inspired by his work and approach to the prehistoric symbols. Some of the topics that have guided his research include how prehistoric iconographic imagery relate to various ceremonies, dances, cults, bundles, cosmologies, and deities, as well as their relationship to the development/expression of power and difference. These topics serve as guideposts for the archaeologists participating in this symposium and our forays into iconographic imagery.

**Participants:** Nathan Heep, Grant Stauffer, Jesse Nowak, Matthew Colvin and Johann Sawyer; Annabeth Headrick; Michelle Rich, Matthew Robb and David Freidel; Daniel Aquino and Juan Carlos Melendez; Joy Mersmann and J. Grant Stauffer; Steve Boles; Natalie Mueller and S. Margaret Spivey; John Kelly; Madelaine Azar; David Dye; Mary Beth Trubitt, George Sabo III and Teka McGlothlin; Shawn Lambert; Bretton Giles; Jesse Nowak

**Discussant:** Frank Reilly

**General Session BIOARCHAEOLOGY, MORTUARY ANALYSIS, AND ANCIENT DNA**

**Time:** 1:00 p.m.–4:45 p.m.

**Chair:** Angelina Locker

**Participants:** L. Antonio Curet; Raquel Fleskes, Graciela Cabana and Theodore Schurr; Savannah Newell and Jonathan Karty; Bridget Bey and Jane Buikstra; Eric Schroeder; Sterling Wright, Kristen Rayfield, Courtney Hofman, Andrei Soficaru and Adam Rabinowitz; Michael Kolb, Christine Pink and William Balco; Angelina Locker, Åsa Lind, Fred Valdez Jr. and Deborah Bolnick; Sarah Loomis; Genesis Torres Morales and Celeste Gagnon; Elizabeth Bews, Zsolt Nyaradi, Jonathan Bethard, Katie Zejdlik and Andre Gonciar; Victoria Izzo, John Walden, Kirsten Green, Rosie Bongiovanni and Ashley McKeown; Rachel Summers, Meradeth Snow and Mike Searcy; Katelyn Frederick; James Moore

*General Session* **HISTORIC ARCHAEOLOGY IN THE SOUTHWEST UNITED STATES AND MESOAMERICA**

**Time:** 1:00 p.m.–4:45 p.m.

**Chair:** Lauren Brooks

**Participants:** Erin Gearty and Julie McGilvray; Zachary Overfield and Ashley Eyeington; Shelby Patrick and Scott Ingram; Sasha Romih; Lauren Brooks; Carole Graham, Sheldon Baker and Joel Gamache; Kaitlyn Eldredge and Katrina Eichner; Kelly Jenks; Alexandra Edwards, Doug Dvoracek, Anna Semon, David Thomas and Robert Speakman; Klinton Burgio-Ericson; Leslie Sesler; Lila Jones and Eileen Johnson; Laura Ellyson and Stefani Crabtree; Lorena Medina Martínez; Kasey Diserens Morgan and Kathryn Morgan

*Sponsored Symposium* **NAVIGATING ETHICAL AND LEGAL QUANDARIES IN MODERN ARCHAEOLOGICAL CURATION**  
(Sponsored by Committee on Museums, Collections, and Curation)

**Time:** 1:00 p.m.–5:00 p.m.

**Chair:** Marieka Arksey

**Abstract:** Archaeological repositories and museums contend with legal and ethical concerns on a daily basis. While the laws and regulations surrounding archaeology have been significantly modified over the past few decades, those applying to archaeological curation facilities, museums, and repositories have remained largely stagnant and impractically vague. Each facility is attempting to deal with concerns such as accepting unprovenanced collections, valuing donated collections for tax write-offs, and property/intellectual property issues concerning digitization and open-access projects, to name a few. We are finding that while there are some great resources out there and some laws that have been more recently created or amended, in the end, we are mostly all operating by means of agreed consensus without recourse to solid, modern regulations or laws. This symposium creates a forum for archaeological curators to discuss (with discretion) some of the specific instances that they have faced recently, how they attempted to resolve them, the challenges they have encountered, and what, if any, resolutions have been found. As a result of this forum, we hope to identify some key common issues that we are facing nationwide, and help jump-start the impetus to update or develop much-needed nationwide standards and regulations.

**Participants:** Marieka Arksey; Maxine McBrinn, Julia Clifton, Amy Montoya and Diana Sherman; Siobhan Hart; Gregory Lattanzi; Elanor Sonderman; Danielle Cathcart; Elysia Petras and Leslie Reeder-Meyers; Kathryn MacFarland, Arthur Vokes, Suzanne Eckert and Patrick Lyons; Katherine Lamie and David Williams; Elizabeth Johnson; Douglas Wilson, Theresa Langford and Meagan Huff; Melody Pope, April Sievert and Terry Harley-Wilson; Lara Noldner and Jennifer Mack; Jenna Domeischel and Susan Kuzminsky

**Discussants:** Patrick Lyons; S. Terry Childs

*Symposium* **INCREASING THE ACCESSIBILITY OF ANCIENT DNA WITHIN ARCHAEOLOGY**

**Time:** 1:00 p.m.–5:00 p.m.

**Chairs:** Jakob Sedig; Kendra Sirak

**Abstract:** Building upon last year's session that examined how ancient DNA research can best support the goals of archaeology, we focus this year's session on how ancient DNA research and the data it generates can be made more accessible to archaeologists, and why this is essential for the future of archaeogenetics. The field of ancient DNA continues along a trajectory of rapid growth, with many studies now analyzing tens or hundreds of individuals from previously unexplored regions of the world or periods of time. This trend emphasizes the need for an increase in the quantity and quality of communication between archaeologists and geneticists surrounding the standards and guidelines used to develop research agendas as well as the analytical methods used and interpretations made in studies of the past. The papers in this session provide examples of integrative archaeogenetics projects, present methodological developments that have enabled

such projects, and otherwise discuss and explore the symbiotic relationship between archaeology and genetics. By increasing the transparency of our research and taking further steps toward a common language understood by researchers from these different, but complementary, disciplines, the papers in this session contribute to the overarching goal of furthering active dialogue between archaeologists and geneticists.

**Participants:** Kendra Sirak and Jakob Sedig; Vagheesh Narasimhan; Pavel Flegontov, Leonid Vyazov and Airat Sitdikov; Marc Vander Linden and David Meltzer; Rodrigo Nores, Nathan Nakatsuka, Pierre Luisi, Josefina Motti and David Reich; José Luis Punzo Díaz, Jakob Sedig, Alejandro Valdes and David Reich; Nathan Nakatsuka, Vera Tiesler, Jakob Sedig, Douglas Price and David Reich; Douglas Owsley, Karin Bruwelheide, Éadaoin Harney, William Kelso and David Reich; Kathrin Naegele, Yadira Chinique de Armas, Silvia Hernandez Godoy, Ulises Gonzalez Herrera and Johannes Krause; John Johnson; Meradeth Snow and Michael Searcy; Paige Plattner, Meradeth Snow, Aleksandar Kostic and Marsha Wibowo; Ludovic Orlando, Alan Outram and ERC PEGASUS Consortium; Alexander Kim, Tatyana Savenkova, Yevgenia Reis, Nikolai Makarov and David Reich

**Discussants:** Miguel Vilar; Michael Frachetti

*Symposium* **PEERING INTO THE NIGHT: TRANSITION, SOCIOPOLITICAL ORGANIZATION, AND ECONOMIC DYNAMICS AFTER THE DUSK OF CHAVÍN IN THE NORTH CENTRAL ANDES**

**Time:** 1:00 p.m.–5:00 p.m.

**Chairs:** Jordi Rivera Prince; Patrick Mullins

**Abstract:** Historically regarded as the hallmark of the Early Horizon, traces of Chavín influence have been observed throughout the Central Andes. However, the Chavín Interaction Sphere spanned both regionally and temporally: echoes and consequences of Chavín influence reverberate in subsequent cultural traditions. During and after this dusk of Chavín, it is clear many parts of the Central Andes were going through states of transformation or reformation. This session synthesizes recent work addressing the period after Chavín and leading up to the Early Intermediate Period; 500/400–200/50 BCE. While these general trends do exist, it is apparent the immediate post-Chavín Central Andean landscape otherwise shows substantial regional variability. General trends from this time period emerge, such as the proliferation of fortifications and widespread social violence; emergence and consolidation of social hierarchies; metallurgy as a craft beyond gold; changes in food patterns, especially on the Pacific coast; and extensive interzonal trade and exchange networks. Papers tease apart potential commonalities and differences observed during this time period, while deliberating on the causes and consequences of the patterns observed in this transitional period with implications for preceding, contemporary, and/or future traditions—contributing to broader anthropological and historical theories exploring transitions, “collapse,” and “moments between.”

**Participants:** M. Elizabeth Grávalos; Rebecca Bria; Kimberly Munro; David Chicoine, George Lau and Jacob Bongers; Jacob Warner; Vincent Chamussy, Nicolas Goepfert and Romuald Housse; Ivan Ghezzi; Brian Billman and Patrick Mullins; Patrick Mullins and Brian Billman; Gabriel Prieto; Gianina Comeca Ramirez, Gabriel Prieto and Pilar Babot; Jordi Rivera Prince and Gabriel Prieto; Richard Sutter, Gabriel Prieto, Jordi Rivera and Celeste Gagnon

**Discussants:** Augusto Oyuela-Caycedo; Richard Burger

*Symposium* **NO STONE UNTURNED: A SYMPOSIUM IN HONOR OF MICHAEL B. COLLINS**

**Time:** 1:00 p.m.–5:00 p.m.

**Chairs:** Thomas Williams; Nancy Velchoff

**Abstract:** Dr. Michael Collins’s long and distinguished career began in high school when he founded the Midland County Archeological Society in Texas. Since then he has made an indelible contribution to archaeology. His research, both in and out of the field, has always been at the forefront of archaeological inquiry as well as representing his passion for embracing new technological methods. His work at the Gault Archaeological Site perhaps best exemplifies his lifelong commitment and dedication to archaeological research that emphasizes outreach and education. The papers in this session celebrate Dr. Collins’s contributions to Texas prehistory, Clovis technology, and of course his pursuit for answers in the peopling of the Americas.

**Participants:** Nancy Velchoff; Richard Boisvert; Reid Ferring; D. Clark Wernecke and Ashley Lemke; Marty Horn, Britt Bousman, Jennifer Whittington, Sarah Morris and Molly Hall; Dennis Jenkins, Katelyn



McDonough, Richard Rosencrance and Justin Holcomb; Loren Davis; Matthew Des Lauriers, David Madsen, Loren Davis, Antonio Porcayo Michelini and David Rhode; Ciprian Ardelean; Steven Holen and Kathleen Holen; Ruth Gruhn; Tom Dillehay; J. M. Adovasio; Margaret Jodry

**Discussants:** Bruce Bradley; Thomas Williams

*Symposium* **RISKIER BUSINESS, PART 2: COMPARATIVE APPROACHES TO RISK AND RESILIENCE IN DRYLAND ENVIRONMENTS**

**Time:** 1:00 p.m.–5:00 p.m.

**Chair:** Alison Damick

**Abstract:** Part 2: Drylands currently make up 47% of the earth's surface and host 39% of the world's population. Recent climate models predict that by the end of this century, 20%–30% of the planet will be significantly drier. As our planet experiences more rapid global warming, arid landscapes become increasingly widespread. Such landscapes can no longer be considered marginal and/or inimical to human lifeways. Instead, drylands should continue to be at the forefront of research agendas, as landscapes simultaneously of risk, vulnerability, resilience, and potential. These are not homogeneous landscapes, but complex and diverse ecosystems that interact with each other as well as their inhabitants. Archaeology gives us a long-term perspective on how past societies managed risk under arid and aridifying conditions in the past. Such long-term perspectives on human-environment interactions are crucial to evaluate the scope and trajectory of ongoing climatic and environmental changes and sustainable responses. The goal of this session is to explore current approaches to risk and resilience in arid landscapes rooted in the perspectives and methods of environmental archaeology. Additionally, this session invites consideration of how this research can be better applied to contemporary problems posed by aridification in different parts of the world.

**Participants:** Emily Dawson; Michael Aiuvalasit; Emily Lena Jones and Jonathan Dombrosky; Kyle Bocinsky, Stefani Crabtree and Sarah Oas; Alison Damick and Arlene Rosen; Raven Garvey; Virginia McRostie, Eugenia Gayó, Claudio Latorre and Calogero Santoro; Elisabeth Hildebrand, Katherine Grillo, Anneke Janzen, Elizabeth Sawchuk and Susan Pfeiffer; Steven Brandt, Rachel Brown Reid, Isabella Crevecoeur, Mica Jones and Marie Matu; Monica Ramsey; Danielle Macdonald and Lisa Maher; Steven Rosen

**Discussants:** Alison Damick; Tim Kohler; Graeme Barker

*General Session* **ARTIFICIAL INTELLIGENCE, DRONES, LIDAR, AND MACHINE LEARNING: NOVEL APPROACHES TO ARCHAEOLOGICAL DATA COLLECTION AND ANALYSIS**

**Time:** 1:00 p.m.–5:00 p.m.

**Chair:** Matthew Bandy

**Participants:** Jennifer Martin; Thomas Strasser; Samuel Martin, Dominique Langis-Barsetti, Joseph Lehner, Emre Kuruçayirli and Nicolle Hirschfeld; Christina Friberg, David Massey, Edward Herrmann and Quinn Lewis; Brennan Dolan; Robert Hasenstab; Jay Franklin, Linda Countryman, Bruce Phillips, John Jones and Jeremy Menzer; J. Christopher Gillam, Nicolas Zwyns, Masami Izuho, Biambaa Gunchinsuren and Brent Woodfill; Charles Williams; David Hixson and Jeffrey Vadala; Walter Crist and Cameron Browne; Matthew Bandy and David Reinhart; James Zimmer-Dauphinee, Gabriela Ore and Steven Wernke; Nicole Payntar, Wei-Lin Hsiao, R. Alan Covey and Kristen Grauman

*Poster Session* **THE ARCHAIC PERIOD IN EASTERN NORTH AMERICA**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Erin Flynn; Katherine Seikel, Mindy Bonine and Tim Griffith; Melissa Torquato, John Rapes, Ben Schiery and Erik Otárola-Castillo; Kristen Jeremiah; Mercedes Cody, Tina Nielsen and Steve Carpenter; Calista Almer, Michael Mlyniec and Igor Chechushkov; Priscila Carballo and Denise Axume; Joseph Snider and Jarrod Burks; Laura Bossio; Agnes Ray; Aksel Casson and James Jablonski

*Poster Session* **ARCHAEOLOGY OF THE ARCHAIC PERIOD**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Manuel San Román, Flavia Morello, Jimena Torres, Carolina Belmar and Omar Reyes; Christopher Noll and Anna Coon; Emily Helmer; Emily McCuiston; Andrew Larsen and Jim Railey; Joy Tatem; Lauren Lewis and Lisbeth Louderback; Locke McIvor; Kassi Tomich, Alexandra Williams and Amy Commendador; Kaley Tucker, Lisbeth Louderback and Erick Robinson; Elizabeth Lynch

*Poster Session* **THE CLASSIC PERIOD IN THE MAYA LOWLANDS**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Matt Longstaffe, Virginia Chiac and Meaghan Peuramaki-Brown; Scott Fedick and Louis Santiago; Gabriela Saldaña, Tia Watkins, Rosamund Fitzmaurice, Julie Hoggarth and Jaime Awe; Olivia Ellis, John Walden, Ian Roa, Michael Biggie and Rafael Guerra; Rebecca Friedel, Bernadette Cap, Carolyn Freiwald and Jason Yaeger; Erin Thornton, Kitty Emery, M. Charlotte Arnauld and Arianne Boileau; Cady Rutherford, Marisol Cortes-Rincon, Jonathan Roldan and Spencer Mitchell; Emma Messinger, John Walden, Michael Biggie, Victoria Izzo and Kirsten Green; Thomas Ruhl; Caleigh Richissin; Holly Neville; Ava Godhardt, Lauri Thompson, Julie Saul and David Hyde; Arianna Ambrosio; Christopher Gunn; Spencer Foster; Nathan Parrott and Armando Anaya Hernández

*Poster Session* **HUNTER-GATHERERS POPULATION DYNAMICS, DIET, AND MOBILITY ON CENTRAL AND COASTAL TEXAS LANDSCAPES**

**Time:** 2:00 p.m.–4:00 p.m.

**Chair:** Kristina Solis

**Abstract:** Central and Coastal Texas has a long 13,000-year record of hunter-gatherer occupation and use. During this expansive time period, Central and Coastal Texas foragers experienced not only regular seasonal changes but several longer stages of fluctuating moisture and temperature shifts. For example, after 3000 BP the Gulf Coastal sea levels stabilized and there are major changes in hunter-gatherer socio-ecological interactions, diet, and demographics. There is an increased appearance of large mortuary sites after sea-level stabilization and evidence for territoriality, intensification on localized resources, and landscape partitioning. This symposium highlights these and other changes revealed by ongoing investigations of these issues spanning the time period from the Early Archaic (7500 BP) to the end of the Late Prehistoric (300 BP).

**Participants:** Raymond Mauldin, Robert Hard, Jacob Freeman, Michelle Carpenter and Cynthia Munoz; Kristina Solis; Peggy Wall; Cynthia Munoz, Raymond Mauldin, Robert Hard, Michelle Carpenter and Kristin Corl; Robert Hard, Raymond Mauldin, Jacob Freeman, Ashley Waldrip and Moureen Kaki

*Poster Session* **CONVERSATIONS ON HUNTER-GATHERER BEHAVIOR AND LIFEWAYS**

**Time:** 2:00 p.m.–4:00 p.m.

**Chair:** Amy Clark

**Abstract:** Research on hunter-gatherer archaeology is published at a rapid rate, and we often do not have a chance to integrate findings between different regions, time periods, or specialties. There are few opportunities to discuss the ramifications of research, or simply present a preliminary idea or impression, before advancing toward writing and publication. This session is meant to bring together hunter-gatherer archaeologists at a variety of research stages—from the seed of an idea to a nearly finished product—who seek outside input and discussion. This poster session will be participatory and will invite critique and active engagement from conference attendees. In particular, we hope to begin conversations with archaeologists who study regions and time periods different from our own to help expand the significance and impact of our own research.

**Participants:** Madeline Mackie and Todd Surovell; Jennifer Chen, Randall Haas, BrieAnna Langlie and James Watson; D. Shane Miller, James Strawn, Derek Anderson and Kara Larson; Amy Clark; Kurt Rademaker, Emily Milton, Kendal Albrecht and Sarah Meinekat; Chase Mahan, Sarah Allaun, Todd Surovell and Marcel Kornfeld; Jesse Tune; Joseph Gingerich, Timothy Cleland, Gwenaelle Kavich, Linda Scott Cummings and William Childress

**Forum LAND AND WATER REVISITED: PANEL DISCUSSION**

**Time:** 3:00 p.m.–5:00 p.m.

**Moderator:** Kirk French

**Abstract:** *Land and Water Revisited* is a remake of William T. Sanders's landmark 1962 documentary *Land and Water: An Ecological Study of the Teotihuacán Valley of México*. The original film provides an invaluable snapshot of agricultural and land-use practices in the area just prior to the urban explosion of Mexico City. Sanders documented farmers using splash irrigation, women washing clothes at a nearby spring, as well as pulque production. Cultural conservation was not the intention of the original film, but it is a sobering reminder of how quickly traditional landscapes and cultural adaptations vanish when sustainability is ignored. The new film highlights the overwhelming number of environmental challenges in the valley and the stories of adaptation as told by the local inhabitants. It is the story of the people of the Teotihuacan Valley and their relationship to their changing environment. In many ways this is a cultural salvage project, as many of the people who have vivid memories of the 1950–1960s are now in their seventies and eighties. This forum consists of (1) an airing of the 28-minute original film from 1962; (2) the one-hour premiere of *Land and Water Revisited*; and (3) an 80-minute discussion and Q&A with eight panelists.

**Discussants:** Richard Diehl; Rebecca Storey; David Webster; Jeffrey Parsons; Randolph Widmer; Charles Stanish; Deborah Nichols; Charles Kolb

**Saturday Morning, April 25**

**General Session ARCHAEOLOGY OF THE ANDES: FORMATIVE, EARLY HORIZON, EARLY INTERMEDIATE PERIOD**

**Time:** 8:00 a.m.–9:45 a.m.

**Chair:** Kenneth Sutherland

**Participants:** Dennis Nicolas Lorenzo; Yuko Kanazaki, Takayuki Omori and Eisei Tsurumi; Kenneth Sutherland and David Chicoine; Michelle Young; Lucy Salazar and Richard Burger; Christian Mesia-Montenegro; Kayeleigh Sharp

**Sponsored Electronic Symposium DIGITAL ARCHAEOLOGICAL METHODS IN THE COMMERCIAL SECTOR**

(Sponsored by Digital Data Interest Group)

**Time:** 8:00 a.m.–10:00 a.m.

**Chair:** Stephen Wagner

**Abstract:** For commercial archaeologists, the process of completing compliance-oriented work has long included the management of archaeological data. As information technologies continue to develop, we find ourselves increasingly incorporating digital methods into our workflows. In keeping with oft-cited policies of doing “more with less,” these are not just translations of extant processes. Instead, these are often both an expansion of the amount and types of data we use. This electronic symposium is intended to explore where digital methods have been used within the commercial sector and identify lessons learned. The goal is to begin discussion and identification of best practices for digital methods within the private sector of cultural resource management, with the particular aim of increasing communication between different regions. What digital methods are we adopting? What are the challenges of adopting those methods?

**Participants:** Chris Webster; William Whitehead; Margarita de Guzman, Amanda Wong and Kristin McKay; Stephen Wagner; Joshua Wells, Eric Kansa, David Anderson, Erick Robinson and Sarah Whitcher Kansa

**Poster Session ARCHAEOLOGY AND ITS STAKEHOLDERS**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Crystina Friese, Amy Michael and Meghan Howey; Dorothy Lippert, Desiree Martinez and Michael Wilcox; Cala Castleberry, Nicholas Laluk, Vernelda Grant and Vanessa Nosie; Amanda Ekdahl, Corina Kellner, Kerry Thompson, Ora Marek-Martinez and Leah Mundell; Eve Dewan; Carlyn Stewart and Alison Livesay; Elizabeth Cruzado Carranza; Angela Moody; Dominic Tullo, Kathryn Krasinski and Angela Wade; Amelia Chisholm and Julie Markin; Rebecca Harkness; Ellen Lofaro and Anne Amati; Konnie Wescott, Thomas Chiodini, Alison Rubio, Perri Gerard-Little and Kendra Kennedy; Tony Viola, Corey Knox and Sara Chavarria; Stephen Molinares, Tony Viola IV, Sara Chavarria and Barbara Mills; MacKenzie DiMarco

*Poster Session* **CONSERVATION AND CURATION**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Catherine Hill, Molly Kamph and Michael Frank; Meghan Grizzle; Tia Ahlquist; Anna Semon; E. W. Duane Quates and Charlotte Cable; Jason Yaeger, Bernadette Cap and M. Kathryn Brown

*Poster Session* **CULTURAL RESOURCE MANAGEMENT**

**Time:** 8:00 a.m.–10:00 a.m.

**Participants:** Dagmar Galvan and Emily Engan; Michael Neeley and Josh Chase; Trever Duarte, Jon Tulchin and Charmaine Wong; Christina Nielsen, Jen Anderson and J. Kevin Hanselka; Irene Martí Gil; Willem van Leeuwen, Kyle Hartfield, Sarah LeRoy, Jeremy Weiss and Lauren Meyer; Jared Renaud; Beth Padon; Stephanie Franklin and Brett Cockrell; Emily Palus; Evangelia Tsesmeli and David Eck; Elizabeth Sharkey; Brendan Harris, David Moore and Chad Keller

*Poster Session* **THE VETERANS CURATION PROGRAM: A CELEBRATION OF DR. MICHAEL “SONNY” TRIMBLE**

**Time:** 8:00 a.m.–10:00 a.m.

**Chairs:** Jessica Mundt; Sarah Janesko

**Abstract:** The Veterans Curation Program (VCP) was started by Dr. Michael “Sonny” Trimble in 2009 and is administered by the U.S. Army Corps of Engineers St. Louis District’s Mandatory Center of Expertise for the Curation and Management of Archeological Collections. The program hires veterans who served during Operation Iraqi Freedom (Iraq) and Operation Enduring Freedom (Afghanistan) to rehabilitate archaeological collections and also provides the veterans with support for personal growth and development. Since its inception, the program has grown to include seven VCP laboratories, through which over 400 archaeological investigations are being or have been rehabilitated. These include both stand-alone contractor administered flagship labs as well as satellite labs embedded at several universities. To date, the program has trained and employed more than 600 veterans and over 90% of the program participants have found permanent employment or returned to school. This poster symposium celebrates the legacy of Dr. Trimble by showcasing some of the work and research of the VCP.

**Participants:** Jessica Mundt and Jasmine Heckman; Amy Reid, Jessica Mundt, Maximilian Hall and John Fulbright; Erin Cagney, Kimberly Blanke and Nancy McKenzie; Kevin Bradley, Erin Cagney and Scott Oliver; Scott Oliver and Kevin Bradley; Jacob Petrie, Sarah Janesko, Jasmine Heckman and Jessica Mundt; David Howe, Chris Rowe and Kelly Brown

*Poster Session* **APPLYING THE POWER OF PARTNERSHIPS TO THE SEARCH FOR AMERICA’S MISSING IN ACTION**

**Time:** 8:00 a.m.–10:00 a.m.

**Chairs:** Jesse Stephen; Joshua Toney

**Abstract:** The Defense POW/MIA Accounting Agency’s mission is to provide the fullest possible accounting for our missing personnel from past conflicts to their families and the nation. We search for missing personnel from World War II, the Korean War, the Vietnam War, the Cold War, the Gulf Wars, and other recent conflicts. Our research and operational missions include coordination with countries and municipalities around the world and also involves a growing number of partner organizations who work closely with the agency. DPAA has initiated and developed its partnerships program over just the past few years. This symposium offers a closer look at the results by opening a window into the efforts, and perspectives, of a select group of partners themselves. From university departments to cultural resource management firms, from the simple coordination of information sharing to the complexity of launching massive field projects, from the involvement of accomplished scholars to passionate amateurs—the power of partnerships encompasses a great deal. With more than 82,000 Americans still missing, however, we aim here to not only discuss the successes of the initiative but to also foster dialog regarding how partnerships can be a sustainable and effective tool in the context of the accounting effort.

**Participants:** Jesse Stephen and Joshua Toney; Jarrod Burks and Albert Pecora; Alex DeGeorgey, Kevin Dalton and Carly Whelan; Alison Elgart and Heather Walsh-Haney; D. Ryan Gray and Harald Stadler; Stephen Humphreys, William Griswold and Steve Roskams; Gregg Jamison, Charles Konsitzke, William Belcher, Brett Hoffman and Ella Axelrod; Marilyn London and Adam Fracchia; Kelsey Lowe, Richard Martin, Ian Lilley and Nick Bainton; John Monaghan, Laura Junker, Ame Garong, Michael Canilao and Caleb Kestle;

Nicholas Passalacqua and Katharine Kolpan

*General Session* **NEW RESEARCH IN MESOAMERICA**

**Time:** 8:00 a.m.–10:45 a.m.

**Chair:** Andrés Mejía Ramón

**Participants:** Jonathan Extract; Jennifer Faux; Andrés Mejía Ramón, Nadia Johnson and Christian John; Arthur Joyce, Sarah Barber, Guy Hepp, Jacklyn Rumberger and Mathew Sponheimer; Cuauhtémoc Vidal-Guzmán, Alexis Clark and Jeffrey Blomster; Marc Levine, Alex Badillo, Amanda Regnier and Scott Hammerstedt; Nobuyuki Ito; Santiago Juarez; Ashuni Romero and Nelda Marengo; Kaitlin Ahern; Philippe Costa, Priscilla Molina Muñoz, Martin Künne, Eric Gelliot and Simon Mercier

*Symposium* **ARCHAEOLOGY FOR THE PUBLIC AND BY THE PUBLIC: PAPERS IN HONOR OF DICK BOISVERT**

**Time:** 8:00 a.m.–11:15 a.m.

**Chair:** Heather Rockwell

**Abstract:** Dr. Richard (Dick) Boisvert recently retired from his position as the New Hampshire State Archaeologist. During his post he published numerous, impactful papers on the Paleoindian period of the Northeast and beyond. However, Boisvert's greatest legacy is in the impact he has had on public archaeology. During his tenure as the head of the State Conservation Rescue Archaeology Program he trained hundreds of avocational archaeologists, advocated for site stewardship, and helped launch the careers of many professionals. This symposium hopes to honor that legacy by discussing current work in public archaeology. The participants are all individuals whose careers have been influenced by Boisvert works, mentorship, and friendship. Papers will focus on current work in cultural resource management, heritage research, and working with the public.

**Participants:** Heather Rockwell; Karen Mack; Jennifer Ort; David Pollack and A. Gwynn Henderson; Jessica Boyd (Starks); Bruce Rusch; Samuel Levin and Shane McCreary; Jonathan Lothrop, Michael Beardsley, Susan Winchell-Sweeney, Andrea Lain and Mark Clymer; Yvonne Benney Basque and Heather Rockwell; Genevieve Everett; Francis Robinson and Scott Dillon; DHR NH and Mark Doperalski

**Discussant:** Heather Rockwell

*Symposium* **SCULPTURE OF THE ANCIENT MEXICAN GULF COAST, PART 1**

**Time:** 8:00 a.m.–11:15 a.m.

**Chair:** Cherra Wyllie

**Abstract:** The ancient cultures along the Gulf Coast of Mexico produced some of the most significant sculptural traditions of Mesoamerica. The types of sculptures range from colossal heads, figurative statues, carved and plain stelae, large-scale terracotta sculptures, relief-carved ballcourt panels to yokes, hachas, and palmas decorated with intricate entrelaces. Although some traditions have received a lot of scholarly attention, others have not—and few studies have attempted to understand the relationships of these diverse sculptural traditions over time and space. The cultural-historical approach to the region has led to its conceptual segmentation as well as of its artistic developments, resulting in an oversimplified cultural and by extension sculptural sequence that proceeds from south to north: the Preclassic Olmec in the south, Classic Veracruz along the central Gulf Coast, and the Postclassic Huastec culture in the north. In this session, archaeologists and art historians working in the Mexican Gulf lowlands will examine sculpture relative to issues such as interregional and intraregional connections, continuity and disjunction, cross-media relationships, and hieroglyphic inscriptions. Participants will consider social memory, reuse, and ritual destruction, as well as the visual references in cultural dispersal, with an eye toward creating a new synthesis of ancient Gulf Coast sculpture.

**Participants:** Ann Cyphers; Hirokazu Kotegawa; Edgar Octavio Sánchez Torres and Rebecca González Lauck; Henri Noel Bernard and Sara Ladrón de Guevara; Katie McElfresh Buford and Billie Follensbee; Joshua Englehardt and Michael Carrasco; Stephanie Strauss; Jillian Mollenhauer; Kim Richter; Alberto Ortiz Brito

**Discussants:** Julia Guernsey; Richard Diehl

*General Session* **HISTORIC ARCHAEOLOGY WORLDWIDE**

**Time:** 8:00 a.m.–11:15 a.m.

**Chair:** Krista Eschbach

**Participants:** David Berikashvili; Agamemnon Pantel and Chester Walker; Tori Galloway, Tamara Thomsen, Caitlin Zant and Victoria Kiefer; Krista Eschbach and John Worth; Akin Ogundiran; Jay Silverstein, Robert Littman, Dora Goldsmith, Sean Coughlin and Stacey Bagdi; June Weber, Effie Athanassopoulos and Amy Neuman; Alexander Anthony; Douglas Boyd; Maureen Mahoney and Domonique deBeaubien; William Marquardt; S. R. Davis; Gelenia Trinidad-Rivera

*Sponsored Symposium* **"IS THERE GOLD IN THAT FIELD?" CRM AND PUBLIC OUTREACH ON THE FRONT LINES**

(Sponsored by Public Archaeology Interest Group)

**Time:** 8:00 a.m.–11:30 a.m.

**Chairs:** Sara Ayers-Rigsby; Sonya Beach

**Abstract:** Public outreach and education is often seen as the responsibility of universities, government organizations, and state run systems. The first archaeologist many people meet, however, is more likely to be working in cultural resource management. Interactions may range from the informal, like chatting with curious members of the public who have stopped by a field project, to extremely formal such as public outreach projects arranged as part of a creative memorandum of agreement for a Phase III Investigation. CRM is an industry driver for archaeology, where unique contributions to the field are regularly made, but it is not always possible for the general public to easily access the results of these investigations. Almost 90% of archaeological work conducted in the U.S. happens through CRM, and this session will delve into successful public engagement projects conducted in the commercial sector.

**Participants:** Sonya Beach, R. Doyle Bowman, Thomas Thompson, Thomas Gruber and Janna Gruber; Julie Duggins; Ruth Troccoli and Christine Ames; Matthew Palus; James Pepe; Jeffrey Moates, Eric Prendergast and Rebecca O'Sullivan; Kye Miller and Jeremy Loven; Falicia Gordon, Linda Derry and Eric Sipes; Heidi Van Etten and Marieka Arksey; Erika Malo, Courtney Agenten, Jennifer Knutson and Erin Pritchard

**Discussants:** Thomas Thompson; Sonya Beach; Rebecca Simon

*General Session* **ARCHAEOLOGY OF THE ARCHAIC PERIOD**

**Time:** 8:00 a.m.–11:30 a.m.

**Chair:** Joseph Wardle

**Participants:** Bob Benfer; Brennan Bajdek and Sam Willis; Joseph Wardle; Dallin Webb and Michael Ligman; Simon Sherman and Ryan Parish; Jim Railey; Kevin Miller and Steven Carpenter; Christopher Ringstaff; Robert Lassen, Brittany McClain and Timothy Griffith; Mindy Bonine, Katherine Seikel and Timothy Griffith; Sarah Wigley; Ken Lawrence, Charles Frederick, Stephen Carpenter, Mark Bateman and Ken Lawrence; Adam Parker, Mason Miller, Christopher Ringstaff, Brittany McClain and Timothy Griffith; Emily Blackwood

*Symposium* **FAR WEST PALEOINDIAN ARCHAEOLOGY: PAPERS FROM THE NEXT GENERATION**

**Time:** 8:00 a.m.–11:45 a.m.

**Chairs:** Derek Reaux; Richard Rosencrance; Katelyn McDonough

**Abstract:** Over the last decade, Paleoindian research in the Far West has become integral to the discussion of the peopling of the Americas. Recent research at potential pre-Clovis-aged sites such as the Paisley Caves, Oregon, and Cooper's Ferry, Idaho, have ignited fierce debates, spawned novel theories, and inspired new researchers to join the field of Paleoindian archaeology. This symposium explores the future of Far West Paleoindian archaeology by focusing on the research of current and recent graduate students from various universities. These papers examine old ideas and present new questions, methods, and discoveries in topics such as colonization, settlement/subsistence, and technological organization. The goal of this symposium is to foster new ideas and to develop bonds between the next generation of Far West Paleoindian researchers so that we may continue and build upon the legacy of our predecessors.

**Participants:** Richard Rosencrance; Justin Holcomb, Karl Wegmann and Panagiotis (Takis) Karkanas;

Katelyn McDonough and Jaime Kennedy; Derek Reaux; Jordan Pratt; Sara Sturtz, Geoffrey Smith, Nicole George, Derek Reaux and Richard Rosencrance; Sean Carroll and Loren Davis; Nicole George; Loren White; Christopher Hebda; David Hunt; Caitlin Doherty; Kenneth Vernon, Kate Magargal, D. Craig Young, David Zeanah and Brian Coddling; Samuel Burns, Sam Stone and Rafaella Lisboa

**Discussant:** Geoffrey Smith

*Symposium* **POTTERS IN PASTURES NEW: MOBILITY, CONTACT, AND CERAMIC TECHNOLOGICAL CHANGE**

**Time:** 8:00 a.m.–12:00 p.m.

**Chair:** Peter Day

**Abstract:** Recent analytical studies of archaeological pottery have moved beyond establishing the regularity with which vessels moved over long distance, highlighting the mobility of ceramic technologies and potters themselves. Ceramic petrography, in particular, has provided insights that combine provenance determination with detailed reconstructions of technological practice. Once dominated by evolutionary narratives based on the unidirectional transfer of knowledge, studies of culture contact now acknowledge the complexity of colonialism, understand that the ascription to human groups of artifact style and technical traits is problematic, and realize that technological transfer affects the colonist as much as the indigenous populations. The concept of hybridity seems only to essentialize original typological or technological classifications, themselves abstractions of past realities. Instead, we need to acknowledge how pottery technologies change, how new techniques are adopted or rejected, and the ways in which potters make sense of new environments and available resources. This session brings together analytical studies of ceramics from the Mediterranean and the Americas. The emphasis is on the reconstruction of ceramic practice, technologies transformed in contact situations, how potters make sense of new environments, their choice of raw materials, and the interplay between handmade and rotary forming traditions, as well as their techniques of firing.

**Participants:** William Gilstrap; Vassilis Kilikoglou, Peter Day, Anno Hein and David Wilson; Peter Day, Richard Jones, Maria Rosaria Manunza, Alessandro Usai and Lucia Vagnetti; Sara Tiziana Levi, Valentina Cannavò, Peter Day, Domenica Gulli and Alessandro Vanzetti; Benoit Proulx, Michalis Gazis and Peter Day; Che-hsien Tsai, Elina Kardamaki, Christos Boulotis, Anno Hein and Peter Day; José Carvajal López; Veronica Testolini; Lindsay Bloch and Emily Kracht; Jennifer Meanwell, Elizabeth Paris and Roberto López Bravo; Javier Iñañez, Juan Guillermo Martín, Michael Glascock, Russell Holland and Helen Thompson; Helen Thompson, Peter Day, Jaume Buxeda i Garrigós, Gabriel Cocco and Leticia Campagnolo; Jaume Buxeda I Garrigós and Marisol Madrid i Fernández

**Discussants:** Peter Day; Wesley Stoner; Peter van Dommelen

*General Session* **ARCHITECTURE IN THE AMERICAS**

**Time:** 8:00 a.m.–12:00 p.m.

**Chair:** Terry Powis

**Participants:** Matija Kolega and Allan Meyers; Megan Adams; Andrew Munro and F. Joan Mathien; Jean Pike; Terry Powis, Gary Owenby and Matthew Tarleton; Akira Ichikawa; Beniamino Volta and Nancy Peniche May; Arianna Campiani and Esteban Mirón Marván; Sheldon Skaggs, Terry Powis, George Micheletti and Sheldon Skaggs; Rachael Wedemeyer and Kenichiro Tsukamoto; Rebecca Morris; Luke Stroth, Mario Borrero and Geoffrey Braswell; Augusto Bazán Pérez; Rachel Schloss; John Staller; Andy Combey, Laurence Audin, Carlos Benavente Escóbar, Miguel Rodríguez Pascua and José Bastante Abuhadba

*General Session* **PALEOINDIAN AND PALEOAMERICAN ARCHAEOLOGY**

**Time:** 8:00 a.m.–12:00 p.m.

**Chair:** Teresa Wriston

**Participants:** Robert Rowe; Ian Taylor and Alan Slade; Terry Ozbun; William Jerrems and Amy Dansie; Michael Grooms and Norm Easton; Teresa Wriston and Kenneth Adams; Mackenzie Cory and Edward Herrmann; August Costa; Rolfe Mandel, Mark Mitchell and Michele Koons; Timothy Griffith, Charles Frederick and Joel Butler; William Jack Hranicky; Robert Barlow; Cambria Haley and Crystal Dozier; Dante Bernardo Martínez Vázquez, José Luis Punzo Díaz, Alfonso Ramírez Galicia, Roberto Díaz Sibaja and Juan Julio Morales; Mark Robinson, José Iriarte, Gaspar Morcote Ríos and Javier Aceituno; Nora Franco, George

Brook, Lucas Vetrivano, Clara Compagno Zoan and María Victoria Fiel

*General Session* **NEOLITHIC ARCHAEOLOGY**

**Time:** 8:30 a.m.–11:45 a.m.

**Chair:** Robert Tykot

**Participants:** Chao Zhao, Qingchuan Bao and Xiaonong Hu; Hyunsoo Lee; Pei-Lin Yu; Alisha Adams, Sian Halcrow, Andrew Millard, Hoang Trinh Hiep and Marc Oxenham; Alan Simmons and Renee Kolvet; Robert Tykot, Andrea Vianello and Robert Tykot; Aikaterini Psoma and Zarko Tankosic; Theresa Barket, Felicia De Peña and Ahmad Thaher; Ian Kuijt and Arek Marciniak; Danielle Riebe; Attila Gyucha, William Parkinson, Richard Yerkes, Danielle Riebe and William Ridge; Annelou van Gijn, Diederik Pomstra, Annemieke Verbaas and Leo Wolterbeek; Arkadiusz Marciniak

*Symposium* **NAVIGATING IMPERIALISM: NEGOTIATED COMMUNITIES AND LANDSCAPES OF THE INKA PROVINCES**

**Time:** 9:00 a.m.–11:15 a.m.

**Chair:** Lynn Kim

**Abstract:** The Inka frequently manipulated terrain and moved populations to meet imperial demands and legitimize their power. As a result, the Inka impacted native landscapes, often by forming colonies across their empire. This involved various social, political, and economic negotiations that led to the manifestation of imperial installations (such as state roads, administrative centers, and terracing systems) and spaces of local resistance. This symposium explores how local communities and landscapes responded to Inka imperialism. The session compares imperial and local strategies across different communities and provinces throughout the empire.

**Participants:** Bethany Whitlock; Alexander Menaker; Manuel Perales; Jessica Christie; Adam Birge; Peter Eeckhout; Jon Clindaniel; Lauren Kohut

**Discussant:** Steven Wernke

*Symposium* **PROYECTO ARQUEOLÓGICO COCHASQUÍ-MOJANDA: RECENT RESEARCH DEVELOPMENTS AT HIGHLAND ECUADOR'S MONUMENTAL CENTER**

**Time:** 9:00 a.m.–11:30 a.m.

**Chairs:** Ryan Hechler; David Brown

**Abstract:** Cochasquí lies in the northern Ecuadorian highlands at an elevation of approximately 3,000 m on the southern slope of the extinct Mojanda volcano. The site commands an impressive view of the Interandean Valley and some of its most majestic volcanoes. Cochasquí (ca. AD 950–1550) is one of the most important archaeological sites in Ecuador. The people of Cochasquí built some of the largest pyramids in the Andes and famously resisted the Inka conquest for some years, yet surprisingly little is known about the site or its occupants. Nonetheless, the site occupies a revered status in the national narrative. Even today, Cochasquí serves as a symbol of Ecuadorian national legitimacy and power with newly elected officials symbolically granted the mantle of their office in a ceremony conducted atop one of the pyramids. But what changes led to development of a site like Cochasquí? Who were its occupants, how did they live, and how was their society structured? And what ultimately led to the site's abandonment and disuse? This symposium is a review of recent research developments of our project, Proyecto Arqueológico Cochasquí-Mojanda.

**Participants:** Byron Ortiz, Pedro Fiallos and David Brown; Estanislao Pazmiño; Clementine Martal and William Pratt; Fabiola Meyer Garza and William Pratt; Maxwell Ward and Ryan Hechler; Andrea Chavez-Chuquimarca and Ryan Hechler; Ryan Hechler; David Brown; William Pratt

*General Session* **REMOTE SENSING AND GEOPHYSICS**

**Time:** 9:00 a.m.–11:30 a.m.

**Chair:** Kisha Supernant

**Participants:** Ryan Peterson; Kisha Supernant and William Wadsworth; Robert Sattler, Carrin Halfman, Joshua Reuther, Michael Grooms and Robert Bowman; Emily Mierswa; Ashley Stabenow; Jorge Garcia-



Herreros and Jasmin Moxham; Edmond Boudreaux, Vin Steponaitis, Stephen Harris and Tony Boudreaux; Anthony DeLuca; Ryan Collins; Whittaker Schroder, Charles Golden, Andrew Scherer, Timothy Murtha and Omar Alcover

*General Session* **OBSIDIAN AND PXRF STUDIES**

**Time:** 9:00 a.m.–11:45 a.m.

**Chair:** Christine Bergmann

**Participants:** Denay Grund; Douglas Riethmuller; William Billeck; Jeremy Moss and Steven Shackley; Jonathan Schaefer, Suzanne Eckert, Jeffrey Ferguson and Deborah Huntley; Mikael Fauvelle; Megan Williams, Elizabeth Paris, Roberto López Bravo and Gabriel Lalo Jacinto; Lucas Martindale Johnson; Christine Bergmann; Molly Cannon, Benjamin Johnson, Robert Godard and Barbara Winter; Nigel Kelly, John Patterson, Robert Shannon and Lee Drake

*General Session* **BRONZE AGE ARCHAEOLOGY**

**Time:** 9:00 a.m.–11:45 a.m.

**Chair:** Lauren Ledin

**Participants:** Lauren Ledin and Hongbin Yue; Koji Mizoguchi and Junko Uchida; Nicole Little and Brice Vincent; Ryan Bennett; Marcella Festa; Mitchell Allen and William Trousdale; James Johnson; Nathaniel James, Isabell Villasana, Alexia Decaix, Steven Weber and Jade d'Alpoim Guedes; Peter Cobb; Shannon Martino; Patricia Wattenmaker

*General Session* **ETHNOGRAPHY AND ETHNOARCHAEOLOGY: WORLDWIDE PERSPECTIVES**

**Time:** 9:00 a.m.–11:45 a.m.

**Chair:** Quintessa Burningham

**Participants:** Paris Franklin; Erin Enright Parsick; Quintessa Burningham; Ruth Musser-Lopez; Timothy Murphy; Sandra Lopez Varela; Pedro Ramon Celis; Blanca Maldonado; Fabiola Sanchez, Joel Palka and Josuhé Lozada; Alice Mullen; Erin Riggs

*Symposium* **LIDAR FROM EARTH TO SKY AND BACK IN THE MAYA LOWLANDS, PART 1**

**Time:** 9:15 a.m.–12:00 p.m.

**Chair:** Manda Adam

**Abstract:** This session will focus on 250 km<sup>2</sup> area of lidar data acquired in 2016 over the Programme for Belize and the Blue Creek projects. The papers in this session will be a summary of the ongoing research efforts in northwestern Belize. The authors focus on a range of scales and contexts, including monumental structures and public plazas, households, communities, and broader regions. We include technical lidar papers and ground verification studies used to map archaeological features, including those from urban, water, and agriculture chronosequences. We also include environmental archaeology studies that focus on archaeology from ecological, geological, and geophysical perspectives. The combined datasets and results will shed light on the ancient practices of management of local resources and general human impact on the landscape.

**Participants:** Juan Fernandez Diaz and Ramesh Shrestha; Sara Eshleman and Timothy Beach; Jeremy McFarland, Michael McDermott and Marisol Cortes-Rincon; Sheryl Luzzadder-Beach, Timothy Beach, Nicholas Dunning, Samantha Krause and Jedidiah Dale; Jedidiah Dale, Timothy Beach, Sheryl Luzzadder-Beach and Colin Doyle; Carlos Quiroz, Lara Sanchez Morales, Timothy Beach, Samantha Krause and David Lentz; Thomas Garrison, Dennis Baldwin, Rafael Cambranes and Anna Bishop; Leila Donn, Tim Beach and Cody Schank; Danielle Ruffe and Manda Adam

**Discussant:** Sheryl Luzzadder-Beach

*Sponsored Forum* **INCREASING GLOBAL COLLABORATION BETWEEN THE SAA AND EAA**

(Sponsored by SAA President)

**Time:** 10:00 a.m.–12:00 p.m.

**Moderator:** Joe Watkins

**Abstract:** The EAA and the SAA initiated discussions on extending collaboration at the 2019 EAA meeting in Bern, Switzerland. This forum is a follow-up to that session. Participants will discuss additional ideas concerning continual globalization of the archaeological enterprise in terms of contemporary issues to which archaeology can provide useable answers. These discussions will serve to provide an impetus for further examination of contemporary issues that archaeologists in the SAA and the EAA encounter.

**Discussants:** Jeffrey Altschul; Manuel Fernandez-Gotz; Felipe Criado-Boado; Catherine Frieman; Alessandro Vanzetti

*Forum* **ARCHAEOLOGY IN IMPERILED COMMUNITIES AND LANDSCAPES OF GUATEMALA: CHALLENGES AND POTENTIAL PATHWAYS FORWARD**

**Time:** 10:00 a.m.–12:00 p.m.

**Moderator:** Olivia Navarro-Farr

**Abstract:** This forum unites intersecting themes relating to crises in archaeological practice in Guatemala today. Our political reality in the U.S. is increasingly hostile to our Central American neighbors. This year, 18 of our research team members departed for “El Norte.” Those remaining told me about loved ones who’d left with only a vague sense of what might await them. Those seeking opportunities in the U.S. do so for a variety of complex reasons. Nevertheless, the effects of climate change and global economic forces will further compromise opportunities. Though we are not trained in how to collaborate effectively in terms of political and community engagement, our success depends on our ability to do more than hire local workmen. We must perceive needs on the ground to maintain successful equilibrium between research demands and the needs of surrounding communities and environments. Some of us work in protected areas, some in semi-rural communities, others in urban zones. We all work on the past in the present. We discuss common challenges and avenues for humanitarian-centered research in Guatemala today.

**Discussants:** Andrew Scherer; Maxime Lamoureux St-Hilaire; David Freidel; Edwin Roman-Ramirez; Marcello Canuto; Brent Woodfill; Anabella Coronado; Varinia Matute; Barbara Arroyo; Patricia McAnany; Griselda Perez-Robles

*Forum* **ANCIENT HISTORY? SHARED EXPERIENCES IN CHEROKEE ARCHAEOLOGY CHALLENGE THE COMMON CONCEPTION OF "COLLABORATION" BETWEEN ARCHAEOLOGY AND NATIVE AMERICAN TRIBAL NATIONS**

**Time:** 10:00 a.m.–12:00 p.m.

**Moderator:** Stephen Yerka

**Abstract:** Modern professional ethics advocate for collaboration between archaeology and affected communities. How archaeology programs, individual archaeologists, Native American nations, and descendant communities are to implement and overcome this historically engrained discontinuity, however, is still ill-defined. This lack of definition results in little to no presence in the way of current archaeology curricula. This panel explores what successful strategies look like through the lens of Cherokee archaeology. Panel members representing the Eastern Band of Cherokee Indians, tribal archaeologists, academics, and nonnative archaeologists working within Cherokee traditional territory discuss what works and doesn’t work when fostering a culture of integration over mere collaboration.

**Discussants:** Benjamin Steere; Erin Dunsmore; Shawn Patch

*Symposium* **COERCION, VIOLENCE, AND INEQUALITY IN ARCHAEOLOGICAL PERSPECTIVE**

**Time:** 10:00 a.m.–12:00 p.m.

**Chair:** Thomas Leppard

**Abstract:** Archaeologists have become increasingly interested in assessing the causes and dynamics of social and wealth inequality in the past. This new focus of research has in part been driven by the growing mass of social science scholarship which orbits around the work of Thomas Piketty and colleagues associated with the World Inequality Database. Piketty has shown convincingly that in a modern capitalist

system conditions of exaggerated inequality usually result from gradual, generally peaceful processes of resource accumulation due to changes in the relative valuations accruing to labor and capital over time. This vision of how inequality arises is at odds with the argument of historians including Charles Tilly and Ian Morris: that structural social and economic inequalities in the premodern past usually resulted directly from coercive violence or its threat. In this symposium, we discuss what the archaeological evidence from prehistoric societies might add to our understanding of the variety of peaceful and violent dynamics that lead to inequality in human societies. Scholars in the session will weigh the likely importance of coercion as a prominent force in shaping, causing, or maintaining archaeologically apparent disparities in personal well-being and access to resources in a range of spatial and historical contexts.

**Participants:** Thomas Leppard and Sarah Murray; Rod Campbell; Edward Swenson; Debra Martin and Ryan Harrod; Brenna Hassett; Sarah Murray; Robert Stephan; Eilis Monahan

*General Session* **RITUAL AND SYMBOLISM IN ARCHAEOLOGY**

**Time:** 10:00 a.m.–12:00 p.m.

**Chair:** Brooke Creager

**Participants:** Brooke Creager; Dana Bardolph, Gregory Wilson and Duane Esarey; Gordon Houston; Jera Davis, Stephen Carmody and Jon Russ; Jeffrey Blomster and Victor Salazar Chavez; Keith Eppich; Lisa Johnson, Felipe Trabanino, Eloi Berube and Eos Lopez Perez; Elena Boot

*Poster Session* **HISTORIC ARCHAEOLOGY AROUND THE WORLD**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Amie Green and Kate Trusler; Katherine Dubois and Amy Michael; Virginia Harvey, Michelle LeFebvre, Casper Toftgaard, Konstantina Drosou and Michael Buckley; Riley Morris and Maghan Monnig; Chunxue Wang, Dong Wei, Huiqiu Shao and Jiaqi Wang; R. Scott Hussey

*Poster Session* **HISTORIC ARCHAEOLOGY IN EASTERN NORTH AMERICA**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Ben Ford and William Chadwick; Kevin Rolph and Olivia Navarro-Farr; F. Scott Worman and Elizabeth Sobel; Jessica Clark and Kirstyn Leque; Clare Tolmie; Megan Postemski; Jonathan Scholnick; James Meierhoff, Paula Bryant, Paula Porubcan and Artur Strzelecki; Kathryn Ting; Janee Becker; Jamie Kouba; Susan Vehik; Kerri Klein; Mary Elizabeth Ibarrola; Jessica Searles; Mary Maisel

*Poster Session* **HISTORIC ARCHAEOLOGY IN WESTERN NORTH AMERICA**

**Time:** 10:30 a.m.–12:30 p.m.

**Participants:** Emma Abell-Selby; Catherine Carbone; Erin Brown, Maria Jonsson and Travis Kern; Alison Livesay; Lee Panich, Tsim Schneider and GeorgeAnn DeAntoni; Emma Paradiso and Scott Ingram; Alex Howard; Heather Seltzer; Troy Lovata; Karin Larkin and Michelle Slaughter; Jennifer Laqualia; Megan Murphy; Rosemarie Pavel

*Poster Session* **NSF REU SITE: EXPLORING GLOBALIZATION THROUGH ARCHAEOLOGY 2019–2020 SESSION, ST. EUSTATIUS, DUTCH CARIBBEAN**

**Time:** 10:30 a.m.–12:30 p.m.

**Chair:** Todd Ahlman

**Abstract:** The goal of the National Science Foundation (NSF) Research Experiences for Undergraduates (REU) Exploring Globalization through Archaeology site is to introduce students to scientific research through the archaeological and bioarchaeological investigation of a variety of seventeenth- to nineteenth-century sites on the Dutch Caribbean island of St. Eustatius (Statia). During the eighteenth century, Statia was one of the most important ports in the world where different communities involved in global trade responded in different ways. This project explores how individuals and communities reacted and adapted to the rise of capitalism and globalization on Statia. The 2019 investigations included archaeological excavations and visualizations of a sugar plantation (SE095) industrial sugar processing complex, continued

bioarchaeological studies of an eroding unmarked cemetery (SE600), and geophysical surveys of a slave village, Leper asylum, and several eighteenth-century cemeteries. Posters in this symposium highlight the breadth of research being conducted by students, project staff, and project mentors that expand our understanding of how globalization affected different communities on Stata.

**Participants:** Katherine Rodriguez and Nicholas Herrmann; Mara Fields, Todd Ahlman, Grace Tolan, Jon Russ and Stephen Carmody; Kallista Karastamatis, Ashley McKeown and Courtney Siegert; Taylor Bowden, Todd Ahlman, Ashley McKeown and Nicholas Herrmann; Adrienne Stainton, Ashley McKeown and Nicholas Herrmann; Olivia Green, Ashley McKeown and Nicholas Herrmann; Jessyka Grell and Nicholas Herrmann; Reece Black, Nicholas Herrmann and Todd Ahlman; Joshua Duncan and Todd Ahlman; Courtney Siegert, Nicholas Herrmann and Todd Ahlman; Todd Ahlman, Ashley McKeown, Nicholas Herrmann and Fred van Keulen; Sadie Friend, Emilie Wiedenmeyer and Ashley McKeown

### **Saturday Afternoon, April 25**

#### ***Sponsored Forum* SAA TASK FORCE ON SHARING PUBLIC OUTCOMES OF CRM: FINDINGS AND PROCESSES TO FACILITATE DATA SHARING BETWEEN RESEARCHERS AND AGENCIES**

(Sponsored by Task Force on Sharing Public Outcomes of CRM)

**Time:** 1:00 p.m.–3:00 p.m.

**Moderator:** Joshua Wells

**Abstract:** In 2018, the Board of Directors of the Society for American Archaeology (SAA) chartered a task force on "Sharing Public Outcomes of CRM." The task force was charged with "providing draft guidelines with regard to the conditions under which site data including site location could be shared for legitimate research purposes." The task force included representation and input from SAA interest groups for Digital Data, Open Science, and Quantitative Methods, also archaeological big data projects, various state and federal agencies, tribal archaeology, cultural resource management, and public archaeology. Suggestions for the SAA include concrete steps to strengthen advocacy for data management roles within agencies, institutional commitments to advise data sharing between researchers and agencies, and to disseminate a "Framework for Archaeological Research-Agency Data Coordination Processes." This framework entails a nonprescriptive, 10-point plan for researchers and agencies to communicate needs and develop shared goals regarding secure reuse of sensitive archaeological data. The framework is modeled on the advisory functions and beneficence goals of institutional review boards and the SAA Principles for Archaeological Ethics that should help all parties involved better understand their individual and collective responsibilities in conditions where comprehensive archaeological site data are shared.

**Discussants:** Sarah Whitcher Kansa; Erik Otárola-Castillo; Jolene Smith; Erick Robinson; Karyn de Dufour; Kelsey Noack Myers

#### ***Forum* MANAGEMENT AND SECURITY OF DIGITAL DATA FOR SENSITIVE COLLECTIONS**

**Time:** 1:00 p.m.–3:00 p.m.

**Moderators:** Stacy Drake; Helen Robbins

**Abstract:** Collections-holding institutions tasked with the curation of human remains and other sensitive materials face a multitude of concerns surrounding security and care of these collections. The increasing popularity of data digitization holds great benefit not only to collections but also to the various communities who may require and request access to this information. Yet, the growth in data produced through digitization practices also results in serious security concerns. Collections that fall under NAGPRA in particular necessitate well-thought-out data management and security, but the format of data made publicly accessible through national NAGPRA can be difficult to navigate and digest. With funding from a 2016 IMLS grant, members of Repatriation, Anthropology Collections, and Information Technology at the Field Museum are collaborating to ensure the standardization and security of sensitive collection data. Aspects of this data are also pulled into a developing website which will present basic information regarding sensitive collections, particularly human remains, to the public in a (hopefully) more user-friendly and informative format. In this session, Field Museum staff will discuss concerns of digital data management and public access and ways in which the museum has collaboratively approached these challenges for its ongoing project. Audience participation will be encouraged.

**Discussants:** Sharon Grant; Emily Hayflick; Madeleine Strait; John Kelly

*Sponsored Forum* **TEACHING AND TRAINING IN GEOARCHAEOLOGY: PEDAGOGICAL METHODS AND CURRICULAR PATHWAYS**

(Sponsored by Geoarchaeology Interest Group)

**Time:** 1:00 p.m.–3:00 p.m.

**Moderators:** Carlos Cordova; Andrea Freeman; Justin Holcomb

**Abstract:** This forum brings together those who have developed methods for teaching geoarchaeology and/or have trained students the field. We encourage participants to share innovative teaching methods and/or to share the best pathways to prepare new researchers in geoarchaeology. We invite examples from all pedagogical formats (lab, field, lecture, seminar, travel, or online). Although we seek a focus on undergraduate learners, we do expect discussion on teaching and training aspects in graduate school. Aspects of training new practitioners of geoarchaeology are also welcome to the discussion, particularly focusing on the diversity of students who want to pursue a career in geoarchaeology and target jobs in the field. Discussants and audience members are given 5–10 minutes to present an idea with up to 5 minutes of question and discussion from the forum. We encourage visual aids where appropriate.

**Discussants:** Lisa Maher; Justin Holcomb; Mike Carson; Jessi Halligan; Andrea Freeman; Carlos Cordova; Timothy Beach; Vance Holliday; Rolfe Mandel

*Forum* **“THE OLD THAT’S WORTH SAVING”: HOW CAN WE PRIORITIZE WHEN WE CAN’T SAVE THEM ALL?**

**Time:** 1:00 p.m.–3:00 p.m.

**Moderator:** Anne Jensen

**Abstract:** Climate change affects archaeological sites at an ever-growing rate. There is neither enough funding nor enough excavators to dig our way out of the problem, while repositories are also underfunded and understaffed. When limited resources are available, ideally they are used for the maximum benefit of all stakeholders. This requires a broadly applicable transparent prioritization scheme. It must be usable within particular sets of constraints, like governmental agency missions or funding sources with restricted geographical or temporal interests. Several prioritization schema exist. Most are intended to deal with resources already determined to be important (World Heritage sites, National Parks, etc.). Challenges include ways to deal with sites of unknown potential, and to better balance the interests of all stakeholders, including under-represented groups. This forum is envisioned as a way to move the discussion forward. A companion CCSAR-sponsored poster session (Beyond Triage: Prioritizing Responses to Climate Change Impacts on Archaeological Resources) will provide information on various approaches to prioritization, which we hope can form the basis for a broader discussion.

**Discussants:** Michael Aiuvalasit; Sara Ayers-Rigsby; Alice Kelley; Jeffrey Moates; Carole Nash; Benjamin Vining; Heather Wholey

*Sponsored Symposium* **RECENT RESEARCH IN AFRICAN ARCHAEOLOGY**

(Sponsored by SAfA–Society of Africanist Archaeologists)

**Time:** 1:00 p.m.–3:00 p.m.

**Chair:** Abigail Stone

**Abstract:** This symposium presents new and ongoing research on the archaeology of Africa. Presenters use a broad range of methodological techniques and cover contexts from throughout the continent. The scale of analysis ranges from highly focused (study of an individual artifact or a minute examination of a single house) to expansive (broad regional surveys). In light of ongoing dialogues about sexual harassment, assault, and disparities of power in archaeological fieldwork and training, several papers in this session emphasize issues of gender and/or sex in their analyses or use a feminist theoretical approach. This session will provide a venue to discuss new findings and approaches as they relate to the archaeology of Africa.

**Participants:** Abigail Stone; Lorraine Hu; Cameron Gokee; Zachary McKeeby; Tom Fitton, Stephanie Wynne-Jones and Abdallah K. Ali; Elizabeth Adeyemo; Justin Pargeter and Patrick Schmidt

*General Session* **CULTURAL HERITAGE AND PRESERVATION**

**Time:** 1:00 p.m.–3:00 p.m.

**Chair:** Peter Siegel

**Participants:** Peter Siegel, Emlen Myers and John Jones; Dominic Bush, Jennifer McKinnon, Erin Field, Nathan Richards and Kyra Price; Kate Clark; Gertjan Plets; Sarah Hinkelman, Benjamin Cross and Robert Cook; Michael Newland and Alex DeGeorgey; Kristoffer Stein; Esteban Miron Marvan

*Symposium* **TEACHING THE ANTHROPOCENE**

**Time:** 1:00 p.m.–3:30 p.m.

**Chair:** Julie Field

**Abstract:** As modern societies come to grips with the impacts of a changing planet, students are seeking answers to questions about our past and the history of human activity that has led to the development of the Anthropocene. In the context of traditional World Prehistory courses, the focus remains on the sequence of cultural and technological development, with the coevolutionary aspects of the Anthropocene relegated to later discussion. We advocate teaching the Anthropocene—not the modern effects of climate change, but the history and trajectory of change as revealed through archaeological inquiry. How can a course in archaeology provide students with a perspective on the history of human decision-making that has created the world around us? What materials and cases are relevant to understanding the development of the Anthropocene, and how can we as educators modify courses to focus on particular outcomes that are relevant to modern problems? What kinds of learning objectives, assignments, and assessments offer content and feedback to students that can help engage them with modern issues—both in terms of preserving the planet, understanding the past, and protecting critical resources? What should be our goals, as educators and archaeologists, in the face of a looming climatic crisis?

**Participants:** Lisa Nagaoka; Sean Bergin and Michael Barton; Seth Quintus; Lynn Fisher; Joy McCorriston, Julie Field and Henry Griffy; Julie Field and Joy McCorriston; Kimberly Wooten; Karen Anne Pyburn

**Discussant:** Kenneth Young

*Symposium* **NEW LIGHT ON DZIBANCHE AND ON THE RISE OF THE SNAKE KINGDOM'S HEGEMONY IN THE MAYA LOWLANDS**

**Time:** 1:00 p.m.–3:30 p.m.

**Chairs:** Francisco Estrada-Belli; Sandra Balanzario Granados

**Abstract:** Since 1995, the Kaanul (Snake) kingdom has been known as one of the most influential states in Classic Maya history. According to epigraphic evidence, its kings acted as overlords over most of the southern and central Maya Lowlands' kingdoms. The notion that a vast hegemony compassing much of the lowlands has since subverted prior assumptions on the complexity and scale of Classic Maya states. However, many questions remain regarding the place of origin of the Kaanul kingdom and the processes that led to its rise as a hegemonic state, as well as a nuanced understanding of the nature of the hegemony. The location of its capital had long been a subject of debate, first erroneously identified with La Corona, Guatemala, then, correctly, with Calakmul, Campeche. Later finds leave little doubt that before Calakmul, the site of Dzibanche, Quintana Roo, was an earlier capital of the Kaanul kingdom. Here we present currently available archaeological, lidar, and epigraphic data recovered from Dzibanche and affiliated lowland sites with updated interpretations on the early history of the Kaanul kingdom and on the urbanistic features of the center of a hegemonic Classic Maya state.

**Participants:** Sandra Balanzario Granados; Francisco Estrada-Belli and Sandra Balanzario Granados; Erik Velásquez García; Sandra Viskanta Khokhriakova, Alexandre Tokovinine, Dmitri Beliaev and Sandra Balanzario Granados; Dmitri Beliaev and Simon Martin; Christophe Helmke and Sergei Vepretskii; David Stuart, Tomás Barrientos Q. and Marcello Canuto; David Freidel, Olivia Navarro-Farr and Mary Kate Kelly; Marc Zender

**Discussant:** Simon Martin

*Symposium* **NAVIGATING IMPERIALISM: NEGOTIATED COMMUNITIES AND LANDSCAPES OF THE INKA PROVINCES, PART 2**

**Time:** 1:00 p.m.–3:30 p.m.

**Chair:** Adam Birge

**Abstract:** The Inka frequently manipulated terrain and moved populations to meet imperial demands and

legitimize their power. As a result, the Inka impacted native landscapes, often by forming colonies across their empire. This involved various social, political, and economic negotiations that led to the manifestation of imperial installations (such as state roads, administrative centers, and terracing systems) and spaces of local resistance. This symposium explores how local communities and landscapes responded to Inka imperialism. The session compares imperial and local strategies across different communities and provinces throughout the empire.

**Participants:** Valda Black, Marco Antonio Naveros Guizado, Beatriz Lizarraga Rojas and Danielle Kurin; Giancarlo Marcone, Camila Capriata and Nina Castillo; Lynn Kim; Ryan Smith; Lucas Kellett; Alejandro Chu; Abel Traslaviña; Beau Murphy, Frances Hayashida, César Parceró-Oubiña, Mariela Piño and Andrés Troncoso; Andrea Gonzáles Lombardi

**Discussant:** Sonia Alconini

*Symposium* **NEW PERSPECTIVES ON RITUAL VIOLENCE AND RELATED HUMAN BODY TREATMENTS IN ANCIENT MESOAMERICA**

**Time:** 1:00 p.m.–3:30 p.m.

**Chair:** Vera Tiesler

**Abstract:** Ancient Mesoamericans deemed ritual violence a crucial form of merit-making with the divine. Until recently, humans themselves were considered supreme “food staples.” Their bodies were to vitalize the cosmos at the pulse of consecrated time intervals. Victims were prepared and sacrificed in prescribed ways to liberate their animate essences, believed to be harbored mainly in a person’s heart and blood. Past death, the sanctified fleshly remnants would sometimes be processed and exhibited as trophies or relics. Although ritualized violence is abundantly recorded in Maya iconography and has been inferred from simultaneous multiple interments and deposits of articulated body segments, only the last two decades of scholarship have seen methodological and interpretive strides toward a more nuanced exploration of sacrificial practices. This session examines old and new graphic, archaeological, and forensic evidence across the Mesoamerican landscapes to discuss choreographies, occasions, and ceremonial devices related to ritual violence and associated body processing. Interpretative and methodological caveats are addressed in the way.

**Participants:** Guilhem Olivier and Vera Tiesler; Jeremy Coltman, Karl Taube and Travis Stanton; Emilie Carreón Blaine; Vera Tiesler and Virginia Miller; Nelda Issa Marengo and Mónica Rodríguez; Judith Ruiz, Isabel Casar Aldrete and Vera Tiesler; Elizabeth Baquedano; Susan Milbrath

**Discussant:** Rubén Mendoza

*Symposium* **SCULPTURE OF THE ANCIENT MEXICAN GULF COAST, PART 2**

**Time:** 1:00 p.m.–3:30 p.m.

**Chair:** Kim Richter

**Abstract:** The ancient cultures along the Gulf Coast of Mexico produced some of the most significant sculptural traditions of Mesoamerica. The types of sculptures range from colossal heads, figurative statues, carved and plain stelae, large-scale terracotta sculptures, relief-carved ballcourt panels to yokes, hachas, and palmas decorated with intricate entrelaces. Although some traditions have received a lot of scholarly attention, others have not—and few studies have attempted to understand the relationships of these diverse sculptural traditions over time and space. The cultural-historical approach to the region has led to its conceptual segmentation as well as of its artistic developments, resulting in an oversimplified cultural and by extension sculptural sequence that proceeds from south to north: the Preclassic Olmec in the south, Classic Veracruz along the central Gulf Coast, and the Postclassic Huastec culture in the north. In this session, archaeologists and art historians working in the Mexican Gulf lowlands will examine sculpture relative to issues such as interregional and intraregional connections, continuity and disjunction, cross-media relationships, and hieroglyphic inscriptions. Participants will consider social memory, reuse, and ritual destruction, as well as the visual references in cultural dispersal, with an eye toward creating a new synthesis of ancient Gulf Coast sculpture.

**Participants:** Yamile Lira-Lopez and Virginia Arieta; Lourdes Budar, Sara Ladrón de Guevara and Mauricio Cuevas; Cherra Wyllie; Rex Koontz; Marcie Venter and Lacy Risner; Maria Reyes Parroquin; Arturo Pascual Soto; Yuko Shiratori and Ángel González López

**Discussant:** Barbara Stark

*General Session* **PREHISTORY OF THE SOUTHEASTERN UNITED STATES**

**Time:** 1:00 p.m.–3:30 p.m.

**Chair:** Nancy White

**Participants:** Nancy White; Anna Graham and Megan Kassabaum; Brian Ostahowski, Jayur Mehta and Ted Marks; Kyle Freund, J. M. Adovasio, Allen Quinn and Frank Vento; Matthew LoBiondo; Erin Nelson, Jessica Kowalski and Howard Cyr; John Samuelsen; Jon Carroll; Patrick Livingood, Amanda Regnier and Scott Hammerstedt; Matthew Colvin

*Symposium* **LIDAR FROM EARTH TO SKY AND BACK IN THE MAYA LOWLANDS, PART II**

**Time:** 1:00 p.m.–4:00 p.m.

**Chair:** Marisol Cortes-Rincon

**Abstract:** This special session will focus on the ~250 km<sup>2</sup> area of lidar acquired in 2016 over the Programme for Belize and the Blue Creek Region as well as nearby projects areas. These areas have vast Maya infrastructure and this survey and others have found vast amounts more. We include technical lidar papers, ground verification studies, and studies that used lidar to map archaeological features, including those from chronosequences of urban, water, and agriculture. We also include environmental archaeology studies that focus on archaeology in ecological, geological, geophysical, and soils studies.

**Participants:** Colin Doyle, Timothy Beach and Sheryl Luzzadder-Beach; Julie Hoggarth, Claire Ebert, Leszek Pawlowicz, John Walden and Jaime Awe; Joshua Kwoka and Thomas Guderjan; Thomas Guderjan, Joshua Kwoka and Colleen Hanratty; Marisol Cortes-Rincon, Cady Rutherford, Jeremy McFarland, Michael McDermott and Spencer Mitchell; Chance Coughenour, Stanley Walling, Shawna Veach and Bryan Allen; Byron Smith, Stanton Morse, Marisol Cortes-Rincon, Timothy Beach and Sheryl Luzzadder-Beach; Stanton Morse, Byron Smith, Marisol Cortes-Rincon, Jeremy McFarland and Michael McDermott; William Ringle, Tomás Gallareta Negrón, Rossana May Ciau and Ken Seligson; Christian Sheumaker and Laura Levi

**Discussant:** Thomas Guderjan

*General Session* **SOUTHWESTERN ARCHAEOLOGY: ANCESTRAL PUEBLO, MOGOLLON, AND HOHOKAM**

**Time:** 1:00 p.m.–4:00 p.m.

**Chair:** Paul Reed

**Participants:** Darcy Bird, Kyle Bocinsky and Tim Kohler; Lori Stephens Reed, Aron Adams and Jeffery Wharton; Jason Sherman, Samantha Bomkamp and Hannah Blija; Paul Reed; Richard Ahlstrom; Isabella Gaffney, Helen Grant, Logan Kistler, Jane Thomas-Oates and Oliver Craig; Ryan Arp and Steve Swanson; Marybeth Harte and William Bryce; Jill Neitzel; Travis Cureton, David Bustoz, Christopher Garraty and Erik Steinbach; R. Scott Plumlee, M. Kyle Woodson, Craig Fertelmes, Chris Loendorf and Steven Forman; Linda Morgan, John Hoffman, Kyle Woodson, Chris Loendorf and Brian Medchill

*General Session* **PERSPECTIVES ON EDUCATION, PEDAGOGY, AND ACCESSIBILITY**

**Time:** 1:00 p.m.–4:00 p.m.

**Chair:** Katherine Patton

**Participants:** Andrea Lopez; Brian Bates; Gina Buckley, Emily Kate, Chloe McGuire, Lily DeMars and Margarita Hernandez; Katherine Patton, Dena Doroszenko and Richard Gerrard; April Watson and Alanna Lecher; Joshua Lynch; Barbara Klessig; Allyson Blanck; Jesse Harvkey; Nattha Chuenwattana; Gertrude Kilgore and Claire Novotny; Emily Dean

*General Session* **NEW RESEARCH IN LITHIC ANALYSIS**

**Time:** 1:00 p.m.–4:00 p.m.

**Chair:** Letícia Correa

**Participants:** Jeanne Binning; John Kelly and Daniel Forrest; Katherine Sterner; John Flood, Edward Herrmann, Scott Hipskind and Jeremy Wilson; Veronica Mraz, Mike Fisch, Metin Eren, Owen Lovejoy and Briggs Buchanan; K. C. Jones, Ashley Smallwood, Thomas Jennings and Jerald Ledbetter; Kelsey Sullivan, Kenichiro Tsukamoto and Jaime Awe; Phyllis Johnson and Markus Eberl; Lucas Vetrivano; Letícia Correa



and Astolfo Araujo; Elizabeth Hart; Veronica Waweru, Christine Ogola and Job Kibii

*General Session* **LITHIC AND MATERIALS ANALYSIS IN WESTERN NORTH AMERICA**

**Time:** 1:00 p.m.–4:15 p.m.

**Chair:** L. Brock James

**Participants:** Michael O'Brien, Mark Collard and Briggs Buchanan; Andrea Kruse; John Rapes, Jack Hofman, Lawrence Todd, Daniel Dalmas and Barbara Crable; Daniel Stueber and Richard Rosencrance; Jon Fox; Steven Rospopo and Linda Wheelbarger; Joseph McConnell; L. Brock James, Kaley Joyce, Kate Magargal and Brian Coddling; Ethan Kumm, John Dudgeon and Amy Commendador; Thomas Thompson and Jennifer Rovanpera; Ryan Brady, Brad Comeau, Loukas Barton and Nick Hanten; Edward Jolie; Nicole Kulaga

*General Session* **SUBSISTENCE AND FOODWAYS IN THE AMERICAS**

**Time:** 1:00 p.m.–4:15 p.m.

**Chair:** Andrew Somerville

**Participants:** Cynthia Hannold; Nichole Fournier, Erin Thornton, Shannon Tushingam, Cara Monroe and Alan Leventhal; Kathryn Frederick and Susan Kooiman; Autumn Painter, Jeffrey Painter, Jodie O'Gorman and Terrance Martin; Mary Simon, Kristin Hedman and Mathew Fort; Brandy Norton; Andrew Somerville, Isabel Casar, Daniel Dalmas and Pedro Morales; Jacob Canterbury and Rissa Trachman; Erin Ray, Paige Lynch, Emily Moes and Keith Prufer; Janine Billadello; Monica Fenton and David Chicoine; Sarah Noe, Randy Haas and Mark Aldenderfer; Pablo Bianchi

*General Session* **NEW RESEARCH IN PALEOETHNOBOTANY**

**Time:** 1:00 p.m.–4:15 p.m.

**Chair:** Lindi Masur

**Participants:** Aleese Barron and Tim Denham; Angelina Perrotti, John Williams, James Russell, Stephen Jackson and Christopher Kiahtipes; Royce Johnson; Lindi Masur; Rebecca Albert and Susan Kooiman; A. Dudley Gardner; Michelle Turner, Karen Adams and Jean Berkebile; Carol Macaulay; Lisbeth Louderback, Kaley Joyce, Stefania Wilks, Lauren Lewis and Nicole Herzog; Grace Ward; Victor Salazar Chávez and Jeffrey Blomster; Zuzana Chovanec; Junko Habu, Yumiko Ito, Anna Nielsen and Sandra Oseguera Sotomayor

*General Session* **ARCHAEOLOGY OF THE IRON AGE**

**Time:** 1:00 p.m.–4:30 p.m.

**Chair:** Kara Larson

**Participants:** Daniel Hansen; Hilary Becker, Julia Sullivan and Crae Wilkins; Eric Harkleroad; Catherine Frieman and James Lewis; Kara Larson; Jane Skinner and Ann Killebrew; Fanny Gavériaux, Laura Motta and Laura Sadori; Keenan Phillips; Ryan Szymanski; Thomas Huffman; Ian Miller, Thomas Fenn and Glenys McGowan; Amanda Gaggioli; Fumie Iizuka, Masami Izuho, Hans Barnard and Mark Aldenderfer; Scott Lyons

*General Session* **CULTURAL RESOURCES AND HERITAGE MANAGEMENT: RESEARCH FROM AROUND THE WORLD**

**Time:** 1:00 p.m.–4:30 p.m.

**Chair:** Amanda Grace Santos

**Participants:** Deanna Keegan; Amanda Grace Santos; Christopher Ball; Hendrik Van Gijsegem; Jorge Rios Allier; Hannah Gibbs; Tane Casserley and David Alberg; Kevin Nolan; Audrey Lindsay; Alan Hawkins and Lara Noldner; Amy Gillaspie and Gene Wheaton; Katharine Napora, Victor Thompson, Robert Speakman, Alexander Cherkinsky and Robert Horan; Rachel Loehman, Connie Constan and Anastasia Steffen; Alexander Brown

*Symposium* **KEEPING IT REAL: PAPERS ON EVIDENCE-BASED ARCHAEOLOGY TO HONOR HECTOR NEFF**

**Time:** 1:00 p.m.–4:45 p.m.

**Chair:** Sachiko Sakai

**Abstract:** Archaeological knowledge depends on generating testable propositions about the past and then generating data that bear on the validity of those propositions. Hector Neff is not unique in adopting this as a guiding principle of his work, but he has been clear and consistent in applying it. From his investigation of the origins and technology of Mesoamerican Plumbate pottery undertaken over 40 years of his career, to chemistry-based provenance studies in many other world regions, to applications of remote sensing, to efforts to document human impacts on the southern Mesoamerican landscape, he has endeavored to bring the past to life with statements about it that have strong empirical support. While he has advocated an evolutionary perspective, he has also insisted that theoretical exercises be backed up by honest efforts to test the hypotheses derived from evolutionary theory. Looking at his whole body of work, we believe Neff's consistent adherence to an empirical standard has made a significant impact on description and explanation of the archaeological record. To honor this contribution, we present papers in this symposium in which we seek to generate testable hypotheses about the past and to bring new field-archaeological and/or analytical data to bear on them.

**Participants:** Virginie Renson; John Dudgeon; Michael Glascock and Rodrigo Loyola; Sachiko Sakai; Evan Peacock, Virginie Renson, Brenda Kirkland, Simon Sherman and Claude Peacock; Richard George, Doug Kennett, Stanley Serafin and Brendan Culleton; Barbara Voorhies, C. Fred Andrus, Christine Bassett and Holley Moyes; Heather Thakar; James Daniels, Heather Thakar and Hector Neff; Michael Love; Janine Gasco; Eugenia Robinson and Ronald Bishop; Wesley Stoner

**Discussant:** Hector Neff

*Sponsored Symposium* **ADVANCES IN GLOBAL SUBMERGED PALEOLANDSCAPES RESEARCH**

(Sponsored by Island and Coastal Archaeology Interest Group)

**Time:** 1:00 p.m.–5:00 p.m.

**Chairs:** Amy Gusick; Amanda Evans

**Abstract:** Worldwide, there has been an increase in research focused on submerged paleolandscapes as a way to better understand these spaces within a cultural framework and with the intention of identifying evidence of human activity on these once subaerial places. This research tends to be interdisciplinary and technologically advanced and focuses on a wide range of methods to understand sometimes vast regions. We are interested in highlighting this research to the broader archaeological community in part to bring awareness to this maritime research and to bring together a community of scientists from across the globe that can share experiences and help to advance the discipline of maritime archaeological research.

**Participants:** John O'Shea; Ervan Garrison; Martin Segschneider, Hauke Jöns, Moritz Mennenga and Jonas Enzmann; Ashley Lemke; Dominique Rissolo; Jessica Cook Hale; Neil Puckett; John McCarthy, Chelsea Wiseman, Jonathan Benjamin, Jo McDonald and Sean Ulm; C. Andrew Hemmings; Timothy de Smet and Morgan Smith; Jessi Halligan; Amanda Evans, Louise Tizzard, Megan Metcalfe and Alexandra Herrera-Schneider; W. Christopher Carleton and Rob Rondeau; Louise Tizzard and Claire Mellett; E. James Dixon and Loren Davis

**Discussant:** Vincent Gaffney

*General Session* **COLONIAL AND CONTACT PERIOD ARCHAEOLOGY**

**Time:** 1:00 p.m.–5:00 p.m.

**Chair:** Terence Clark

**Participants:** Terence Clark; Kaitlin Brown; Brianna Rotella and Kaitlin Brown; Emily Dylla; Mary Mailler and Spencer Mitchell; Matthew Schmader; Sandra Arazi-Coombs; Kaitlyn Davis; Daniel Kreutzer; Kristin De Lucia and Enrique Rodríguez-Alegría; Christian Allen; Heath Bentley and James Garber; Maria Martinez Milantchi, Alice Samson, Jago Cooper, Michael Charlton and Carlos Perez; Diane Wallman, Douglas Armstrong, Mark Hauser, Kenneth Kelly and Lennox Honychurch; Maria Smith and Alex Garcia-Putnam; Christopher Rodning and Stephen Acabado

*Poster Session* **WORLDWIDE ADVANCES IN BIOARCHAEOLOGY AND MORTUARY ANALYSIS**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Susan Pfeiffer, Judith Sealy, Lesley Harrington, Tim Maggs and Emma Loftus; Leslie Fitzpatrick, Emma Bonthorne, Danee Wilson and Fran Valle de Tarazaga; Joseph Effingham and Samantha Blatt; Stacy Edington, Jessica Cerezo-Román, Glenys McGowan, Brett Kaufman and Hans Barnard; Jeremy Pye; Michelle Carpenter, Robert Hard, James Watson, Elisa Villalpando and Raymond Mauldin; Judith Sealy; Megan Fry, John Krigbaum and George Kamanov; Samantha Blatt, Shanda Putnam, Amy Michael and John Dudgeon; Jack Biggs, Amy Michael and Gabriel Wrobel; Urvi Kaul, Paloma Cuello del Pozo and Jose Peña; Marina Di Giusto and Veronica Wesolowski

*Poster Session* **FOODWAYS**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Eric Carlucci; Ashley Jones, Kristen Hickey and Stephanie Orsini; Emily McKenzie and Katherine Chiou; Heather Lash; Chelsea Reedy

*Poster Session* **ANDEAN ARCHAEOLOGY: LATE INTERMEDIATE, LATE HORIZON, COLONIAL**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Amy Szumilewicz; Alexandra Ritter, Paloma Cuello del Pozo and Jose Peña; Mark Chavez, Paloma Cuello del Pozo and Jose Peña; David Blackman, Donna Nash and Emily Schach; Daniel Plekhov and Parker VanValkenburgh; Carlos Osores; Mary Emma DeOrbegozo and Bradley Chase Jones; Sarah Baitzel, Arturo Rivera Infante and Martin Polo y La Borda; Arturo Rivera Infante; Laura Pott, Rita Austin, Andrea Eller and Sabrina Sholts; Noa Corcoran-Tadd, Arturo Rivera Infante, Barbara Carbajal Salazar and Sarah Baitzel; Corey Hoover and Kylie Quave; Abigail Schofield, Luis Octavio Ruzo, Luis Jaime Castillo and David Carballo

*Poster Session* **ANDEAN ARCHAEOLOGY: FORMATIVE, EARLY HORIZON, MIDDLE HORIZON**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Corrie Hyland, Paul Szpak and Jean-François Millaire; Kristin Carline, Erik Marsh, Savanna Buehlman-Barbeau, Silvina Castro and Lucía Yebra; Jake Dean and Beth Scaffidi; Gustavo Neme, Adolfo Gil, Christopher Morgan, Miguel Giardina and David Harvey; Sarah Stagg and Jason Toohey; Marta Alfonso-Durruty, Nicole Misarti and Andrés Troncoso; Nora Berry, Christina Conlee and Deborah Spivak; Sarah Jolly; Rosa María Varillas, Carol Rodriguez Romero and Francesca Fernandini; Kathleen Huggins and Matthew Sitek; Alana Garvey

*Poster Session* **ANCIENT DNA AND MOLECULAR ARCHAEOLOGY**

**Time:** 2:00 p.m.–4:00 p.m.

**Participants:** Alexis Rizzolo and Meradeth Snow; Tre Blohm and Meradeth Snow; Tiago Ferraz da Silva, Tábita Hünemeier, Johannes Krause, Cosimo Posth and André Strauss; Bethany Potter, Caroline Kisielinski, Justin Tackney, Dennis O'Rourke and Frederic Sellet; Sophie Rabinow; Dong Hoon Shin, Jong Ha Hong, Jieun Kim and Sun Kim; Robin Singleton, Nihan Dagtas, Karissa Hughes, Nawa Sugiyama and Courtney Hofman; Macy Ricketts, Naomi Ward, Todd Surovell and Maddie Mackie; Taryn Johnson and Anna Linderholm; Karissa Hughes, Nawa Sugiyama, Nihan Dagtas and Courtney Hofman; Jacob Haffner, Hannah Mattson, Laura-Isobel McCall and Cecil Lewis Jr.; Kristen Rayfield, Lushuang Huang, Hayley Lanier, Si Wu and Courtney Hofman; Elizabeth Johnston and Michael Buckley; Alicia Ventresca Miller

*Poster Session* **USING ACTUALISTIC EXPERIMENTS IN RANGE CREEK CANYON, UTAH: THE NEXT STEPS**

**Time:** 2:00 p.m.–4:00 p.m.

**Chair:** Shannon Boomgarden

**Abstract:** Since 2013, staff and students of the Range Creek Field Station (RCFS), eastern Utah, have been studying Fremont farming techniques by conducting actualistic farming experiments. These experiments are designed to understand the costs and benefits of irrigating and storing maize under modern environmental

constraints. By farming small plots of maize at the RCFS, we are able to build expectations about what past farmers would have done. One experiment looks at the productivity of maize (yield) depending on amount of water given to each plot. A second experiment measures the costs of irrigation by constructing a simple surface irrigation system using only simple tools available 1,000 years ago to Fremont farmers. A third experiment records the rooting depth of maize plants watered at varying depth. A fourth experiment measures the costs and benefits of constructing small replica storage structures used by the Fremont. The posters in this session will discuss the results of these experiments and how the results inform on the archaeology of Range Creek Canyon and other desert farmers. The topics include actualistic experiments, excavation of historic ditches, changes in rooting depth of heirloom maize varieties, and variability in maize starch when watered different amounts during the growing season.

**Participants:** Corinne Springer and Shannon Boomgarden; Shannon Boomgarden, Brendan Ermish, Jordan Muller, Duncan Metcalfe and Stefania Wilks; Brendan Ermish, Shannon Boomgarden, Duncan Metcalfe and Jordin Muller; Jordin Muller, Brendan Ermish and Shannon Boomgarden; Stefania Wilks, Lisbeth Louderback and Shannon Arnold-Boomgarden

### **Sunday Morning, April 26**

#### ***Symposium* CHALLENGES AND FUTURE DIRECTIONS IN THE ARCHAEOLOGY OF THE SIERRA NEVADA DE SANTA MARTA (COLOMBIA)**

**Time:** 8:00 a.m.–9:15 a.m.

**Chair:** Daniel Rodríguez Osorio

**Abstract:** The webs of archaeological information on the mountain range of the Sierra Nevada de Santa Marta (Northern Colombia) during prehispanic and early colonial times have to be built patiently. Few Spanish chroniclers have talked about it, the colonial period left researchers with very few archives, and grave-looting has been endemic and intense. It is thought there is a plethora of archaeological materiality with incipient context. All presentations in this session will try to untangle ways of materializing the abstraction that is a research subject: of particular techniques, trade routes (within the Sierra Nevada de Santa Marta or outside), and their consequent landscape shaping. Human/environment interactions, as well as ecology politics and technology politics will be at the core of the problematics developed. Drawing on a variety of archaeological methods and borrowing from an array of disciplines, our goal is to understand the Sierra Nevada de Santa Marta both as an isolated mountain and a highly interconnected space, in hope of bringing alive its complex layers and modals of interaction among its actors.

**Participants:** Marion Weber, Natalia Acevedo, Sebastián Betancur, Joaquín Proenza and Antonio García-Casco; Sonia De Andreis; Daniel Rodríguez Osorio; Alice Díaz

**Discussant:** Santiago Giraldo

#### ***Symposium* CELEBRATING DIVERSITY IN DOWNTOWN REDLANDS, CALIFORNIA: STORIES OF CHINATOWN AND THE BARRIO**

**Time:** 8:00 a.m.–9:30 a.m.

**Chair:** Karen Swope

**Abstract:** In 2019, Statistical Research Inc. (SRI) completed a historical period data recovery project in Redlands, San Bernardino County, California. The investigation focused on nineteenth- and twentieth-century deposits related to the community's former Chinatown, a Mexican barrio, and nearby commercial and industrial establishments. The project research design focuses on the changing cultural geography of Redlands, and the roles of residential populations that are underrepresented in written documentation. The research contributes importantly to studies of Chinese transnationalism and the connections between several southern California Chinatowns. The project area produced over 700 intact features and a plenitude of associated artifacts—ample data to address important topics such as land use, socioeconomics, private and public ethnic expression, and the nature of ethnic interactions. The material culture represents domestic activities, industrial pursuits, and the dynamics of an evolving community. Project tasks included amassing and synthesizing archival materials, artifact analysis, dialogue with descendant groups, and commemorative efforts in public venues. The project presented a rare opportunity to elucidate the historical narrative, to demonstrate the willingness of the City of Redlands to document an unpleasant part of its past, and the enthusiasm of the client, ESRI, to recognize the value of this historic preservation effort.

**Participants:** Donn Grenda and Karen Swope; Robert Grenda, Scott Sunell and Richard Ciolek-Torello; Karl

Reinhard and Dong Hoon Shin; Scott Sunell; Joy Vyhmeister

**Discussant:** Teresita Majewski

*General Session* **MUSEUMS, COLLECTIONS, AND REPATRIATION**

**Time:** 8:00 a.m.–9:30 a.m.

**Chair:** Yoko Nishimura

**Participants:** Yoko Nishimura; Veronica Arias and Tarek Rashed; April Sievert; Ryan Seidemann and Christine Halling; Ryohei Takatsuchi; Todd McMahon

*Symposium* **INDIAN OCEAN SOCIOPOLITICAL AND ECONOMIC CONNECTIONS AS REVEALED BY THE STUDY OF ANCIENT AND HISTORIC GLASS PRODUCTION AND TRADE**

**Time:** 8:00 a.m.–10:00 a.m.

**Chairs:** Thomas Fenn; Laure Dussubieux

**Abstract:** Exploring materials traded and exchanged in networks within the Indian Ocean interaction sphere are of paramount importance to understanding the scale and extent of these connections through time and space. Glass and glass beads dating back to the first millennium BC moved through these early and later networks. Continued improvements on analytical techniques and new archaeological excavations and research have increased our knowledge of glass/glass bead recipes, and production, trade, and consumption locations, which in turn have led to a better understanding of trade within the Indian Ocean. However, the rise and fall of sociopolitical states within this region resulted in a continuously shifting and adapting structure of networks connecting the different actors of the trade. By studying the glass industry and especially glass trade in the greater Indian Ocean, researchers can examine how such industries responded to changing trade patterns from around the mid-first millennium BCE to the late medieval period. This session presents new and revised information on trade of Indian Ocean glass/glass beads and how examining their production and movement can be used as a proxy for better understanding socioeconomic connections and the rise and fall of political powers and exchange networks within and beyond this region.

**Participants:** Akshay Sarathi, Jonathan Walz and Laure Dussubieux; Marilee Wood; Carla Klehm and Laure Dussubieux; Jeffrey Fleisher and Joe Merchant; John Kappelman, Lindsey Trombetta, Laure Dussubieux, Agazi Negash and Lawrence Todd; Shinu Anna Abraham, Laure Dussubieux, Thomas Fenn and Alok Kanungo; Thomas Fenn, Laure Dussubieux, Shinu Anna Abraham and Alok Kanungo; Laure Dussubieux

*Symposium* **ARCHAEOLOGY IN MOZAMBIQUE: CURRENT ISSUES AND TOPICS IN ARCHAEOLOGY AND HERITAGE MANAGEMENT**

**Time:** 8:00 a.m.–10:30 a.m.

**Chairs:** Diogo Oliveira; Décio Muianga

**Abstract:** Mozambique is a country that boasts a unique diversity in archaeological heritage and history. Given its location in East Africa, many cultural horizons present in the region can be found in archaeological sites across the country. From Early Stone Age rockshelters and open-air sites in regions throughout Mozambique to the Swahili Coast ruins in the north, not to mention the historical sites related to Portuguese colonialism and slavery, the cultural-historical landscape offers a vast array of important themes for further research. With this diversity in cultural heritage, and a growing interest in various research topics, the importance of the protection and conservation of this archaeological material—both land and sea—has become a pressing matter. This session is organized as a broad overview of current research topics within the growing field of Mozambican archaeology. The aim is not only to demonstrate the wide breath of topics in the field, but also to identify common themes in both current and future research, while also identifying threats to Mozambican heritage. Our goal is to produce a working consensus regarding lingering issues and questions for archaeologists working in Mozambique.

**Participants:** Décio Muianga and Enio Tembe; Nuno Bicho, Jonathan Haws, João Cascalheira, Célia Gonçalves and Mussa Raja; Michel Guinard; Sabrina Stempfle, Jörg Linstädter and Décio Muianga; Diogo Oliveira; Celso Simbine; Cezar Mahumane

**Discussants:** Jörg Linstädter; Stephanie Wynne-Jones

*Symposium* **DEEP HISTORY, COLONIAL NARRATIVES, AND DECOLONIZATION IN THE NATIVE CHESAPEAKE**

**Time:** 8:00 a.m.–11:15 a.m.

**Chairs:** Julia King; Martin Gallivan

**Abstract:** This session considers efforts to write archaeological accounts of Native societies in the Chesapeake region that span the divide between deep history and the colonial era. Archaeological studies aiming to bring the region's precolonial past into conversation with colonial histories face tensions stemming from divergent research questions, writing styles, temporal frames, and interpretive touchstones. Moving beyond these tensions—theoretically, methodologically, and writerly—is critical if archaeologists are to contribute to efforts to decolonize narratives of indigenous pasts.

**Participants:** Martin Gallivan and Jessica Jenkins; Mike Makin; Jessica Herlich; Scott Strickland; Taylor Triplett; Christopher Shephard; Matthew McKnight; Dane Magoon; Danielle Moretti-Langholtz and Buck Woodard; Ellen Chapman and Victoria Ferguson; Julia King

**Discussant:** Jeffrey Hantman

*Symposium* **LITHIC RAW MATERIALS, TOOLS, AND TECHNOLOGICAL ORGANIZATION: PAPERS IN HONOR OF WILLIAM ANDREFSKY JR.**

**Time:** 8:00 a.m.–12:00 p.m.

**Chairs:** Jennifer Ferris; Douglas MacDonald; Nathan Goodale

**Abstract:** This symposium honors the career of Dr. William Andrefsky Jr. and his scholarly contributions to the studies of lithic technological organization and stone tools. Andrefsky worked on four major initiatives in his career including the Washington State University (WSU) Museum's NAGPRA-compliant U.S. Army Corps of Engineers collections; research on the origins of sedentary aboriginal lifeways in the southern Columbia Plateau; inventory of Colorado's Purgatoire River; and research along the Owyhee River in collaboration with the Bureau of Land Management and WSU, generating multiple graduate student theses and publications. Through these projects, his early work in Alaska and the Upper Delaware Valley, and recent experimental and geochemical studies, he honed his skills as a flintknapper, methodologist, and researcher. He has written and contributed to numerous volumes on lithic analysis and interpretation, many of which have influenced archaeological investigations worldwide. In this symposium, former students and colleagues cover a broad range of topics inspired by Andrefsky, including stone tool and debitage analysis, raw material sourcing, and experimental archaeology.

**Participants:** George Jones and Charlotte Beck; Nathan Goodale and Colin Quinn; Robert Bettinger; Jake Adams; Michael Shott; Philip Fisher; Jeffrey Rasic; Peter Hiscock; Kimberly Redman; David Hyde and Fred Valdez Jr.; Edward Knell; Jennifer Ferris; Katie Harris

**Discussants:** Douglas MacDonald; William Andrefsky

*Sponsored Symposium* **BROADER IMPACTS AND TEACHING: ENGAGING WITH DIVERSE AUDIENCES**

(Sponsored by Teaching Archaeology Interest Group and Public Education Committee)

**Time:** 8:00 a.m.–12:00 p.m.

**Chairs:** Elisabeth Rareshide; Lara Lloyd

**Abstract:** Archaeology education reaches beyond the classroom, into the public sphere, and affects diverse audiences. To make archaeology relevant today, we must connect with students, members of the public, and policy-makers. These audiences bring a variety of backgrounds and perspectives. To have a greater impact on diverse audiences, we must take their lived experiences, knowledge, and interests into account and broaden our teaching methods. This symposium discusses various experiences, case studies, and best practices for reaching diverse audiences.

**Participants:** Philip Carr; Megan Kassabaum, Arielle Pierson and Erin Spicola; William Balco; Peter Peregrine; Emily Smith; Renee Bonzani and Bruce Manzano; Shereen Lerner; Joanne Minerbi and Elisabeth Rareshide; Linda Neff; Lara Lloyd; Benjamin Bradley, Joshua Cannon, Kendra Kennedy, Gary Tippin and Kayleigh Sharp; Kelli Carmean; Ashley Hampton and Jesse Harvkey; Ryan Wheeler

*Symposium* **UP IN FLAMES: ASSESSING ALAN SULLIVAN'S QUEST FOR AN INDEPENDENT ARCHAEOLOGY**

**Time:** 8:00 a.m.–12:00 p.m.

**Chairs:** Christopher Roos; Philip Mink

**Abstract:** Archaeology is often thought of as the handmaiden of cultural anthropology—related but dependent. For more than 40 years, Alan Sullivan has sought to establish the independence of archaeology and in so doing has shaped the way many archaeologists think about this relationship. In the spirit of the late David Clarke, Sullivan articulated a body of distinctly archaeological theory linking the archaeological record to our inferences about the past. His focus on traces of human activity in artifacts, features, surfaces and deposits drew our attention to the dynamic nature of the archaeological record as well as toward the breadth of information that could be preserved (or modified or lost) along the way. This emphasis on identifying trace formation processes, assembling relevant evidence to adjudicate equifinality, and the independence of inference construction from ethnographic analogy has guided his contributions to novel understandings of ceramic production, settlement dynamics, and human ecology in the Southwest U.S. As many of his conclusions challenge conventional wisdoms, his work is not without controversy. In this session, his colleagues and former students consider Sullivan's contributions to archaeological theory, Southwest archaeology, and human ecodynamics.

**Participants:** Michael Graves; William Parkinson; James Skibo; Emily Phillips; Helen Fairley; Philip Mink; Kathleen Forste, Susan Allen, Jean (Nikki) Berkebile and Martha Wendel; Calla McNamee, Neil Weintraub and Daniel Sorrell; Christian Downum; Sidney Carter; James Bayman; Robert Cook; Sissel Schroeder and Samuel Munoz; Christopher Roos

**Discussant:** Alan Sullivan

*Symposium* **U.S. ARMY CORPS OF ENGINEERS: PUBLIC OUTREACH AND ENGAGEMENT AND ALTERNATIVE MITIGATION**

**Time:** 8:15 a.m.–9:30 a.m.

**Chair:** Erin Hess

**Abstract:** The U.S. Army Corps of Engineers (Corps) is one of the nation's oldest federal agencies. The Corps has multiple missions, including construction of harbors, navigation improvements, erosion and flood risk management, military construction, permitting of work in waters of the U.S., and cleanup of environmental contamination in the U.S. and abroad. Due to the diversity of its missions and regional specificities, there is an equally diverse amount of work conducted by Corps archaeologists and cultural resource managers, including working with multiple stakeholders, ranging from private individuals to federally recognized tribes to state and federal agencies. This session explores public outreach and engagement for archaeology conducted by the Corps and alternative mitigation involving public outreach and engagement.

**Participants:** Erin Hess; Jimmy Barrera; Carey Baxter, Heather Johnson and Christopher McDaid; Geneva Kraus and Joanne Goodsell; Nancy Komulainen-Dillenburg

*General Session* **COASTAL AND ISLAND ARCHAEOLOGY**

**Time:** 8:30 a.m.–11:45 a.m.

**Chair:** Justin Cramb

**Participants:** Justin Cramb; Joel Klenck, Mohammed Sahib and Seiuli Temese; Katherine Peck, Noa Lincoln and Michael Graves; Mary Jane Berman and Ivan Wehner; Matt O'Mansky, David Parker, Caleb Self and Samuel Witham; Christopher Espenshade; Tracie Mayfield and Danielle Phelps; Sophia Perdikaris, Rebecca Boger, Sandrine Grouard, Edith Gonzal and Jennifer Adams; Daniela Klokler; Katherine Woo, Peter Moe Astrup, Jonathan Benjamin and Geoff Bailey; Stephen Bryne and Shane Sparks; Jasmine Kidwell; Evelyn Powell, Zachariah General, Stephen Tsuji, Konstantin Latychev and Leonard Tsuji

*Symposium* **RECENT INNOVATIONS IN ECUADORIAN ARCHAEOLOGY**

**Time:** 8:30 a.m.–12:00 p.m.

**Chairs:** Jonathan Damp; Amelia Sánchez Mosquera; Valentina Martinez

**Abstract:** The archaeology of the Northern Andes was originally defined by grand schemes and theories. Beginning with the work of Jijón y Caamaño and Uhle and continuing up to Meggers, Evans, and Estrada,

archaeologists focused on extra-regional influences on cultural origins and ceramic typologies. In more recent years, and especially with the onset of cultural resource management in Ecuador, new approaches have led to innovative results with perspectives that differ from earlier approaches. Our understanding of the societies that lived in the Northern Andes is explored in order to establish a greater knowledge of prehistoric Ecuador that includes community development, ideology, economy, and the chronology of culture change. This symposium brings together some of the recent advances in Northern Andean archaeology.

**Participants:** Jonathan Damp; Sarah Rowe and Guy Duke; Atsushi Yamamoto, Juan Pablo Vargas and Oscar Arias; Miriam Domínguez; Janny Velasco Alban; Amelia Sánchez Mosquera and Juan Miguel Kosztura; Jorge Flores; Valentina Martínez and Andres Garzon-Oechsle; Manuel Castro-Priego, Lauro Olmo-Enciso and Marcos Labrada-Ochoa; Ashley Vance and Benjamin Carter; Juan Jijon; Maria Ordoñez, Lourdes Torres and Tamara Landivar; Sara Ayers-Rigsby, Victoria Dominguez and Valentina Martínez

**Discussant:** Maria Masucci

#### *Symposium* **PLANT EXUDATES AND OTHER BINDERS, ADHESIVES, AND COATINGS IN THE AMERICAS**

**Time:** 8:45 a.m.–12:00 p.m.

**Chairs:** Christina Bisulca; Emily Kaplan

**Abstract:** Plant exudates are a chemically diverse class of materials that includes resins, gums, kinos, rubber, latex, lacquer, balsams and amber. These materials appear in the archaeological, anthropological, botanical and historical records worldwide as adhesives, binders, and coatings, molded and sculpted forms, and as substances used for ceremonial, medicinal and food. For this session, we extend the range of materials under consideration to include insect lac, tars and bituminous materials. Despite widespread use and numerous applications (both utilitarian and ceremonial), there has been much less research on the characterization and use of plant exudates in the material culture of the Americas than in Europe and Asia. This session is focused on exudates in material culture, including studies on identification, chemical fingerprinting, botanical and geographic sourcing, experimental archaeology, processing, and trade/exchange. Contributions from several disciplines are included.

**Participants:** Christina Bisulca, Marilen Pool and Nancy Odegaard; Tim Riley and Katharine Corneli; Taylor Burnell and Mark Sutton; Davide Domenici; Rebecca Stacey; Monica Katz, Emily Kaplan and Catalina Ospina; Joshua Henkin; Lisa DeLeonardis, Dawn Kriss, Ellen Howe and Judith Levinson; David Lentz, Brian Lane and Kenneth Tankersley; Beth Edelstein, Adriana Rizzo and Sue Bergh; Richard Newman and Emily Kaplan

**Discussant:** Davide Domenici

#### *Symposium* **NEW PERSPECTIVES ON THE LATE INTERMEDIATE PERIOD IN SOUTHERN PERU**

**Time:** 9:00 a.m.–11:15 a.m.

**Chairs:** Emily Schach; Donna Nash

**Abstract:** The Late Intermediate Period in southern Peru is traditionally characterized as a period of increasing regionalism and violence. Recent research, however, has begun to explore the manner in which interregional interaction and exchange remained persistent during this time period despite the collapse of the larger Wari and Tiwanaku polities who controlled this region during the Middle Horizon. In the Moquegua Valley, for example, there is evidence for the ethnogenesis of multiple groups with distinct ceramic styles who shared cemeteries and exchanged materials between the coast and the highlands. In this symposium, we present new research on the Late Intermediate Period of southern Peru that reveals the persistence of multiregional interaction with multiple lines of archaeological and bioarchaeological evidence.

**Participants:** Donna Nash; Lizette Muñoz, Susan deFrance, Nicola Sharratt, Verónica Rosales and Alejandra Tazza; Emily Schach and Jane Buikstra; Curran Fitzgerald; Luis Diaz; Tabitha Birtell and Emily Schach; Emilee Witte, Donna Nash and Emily Schach; Rachael Penfil; Brandon Gay and Paul Goldstein

#### *Symposium* **SLAVERY IN THE AMERICAS: ARCHAEOLOGY AND ARCHIVES**

**Time:** 9:00 a.m.–11:15 a.m.

**Chairs:** Claire Heckel; Linda Stine

**Abstract:** This session examines theoretical and methodological approaches to studying the history of



slavery in the Americas. While the value of archival resources to the study of enslaved populations is clear, so are the tensions between the material and archival records and the biases and lacunae in written histories with regard to marginalized peoples. The papers in this session will explore the complex relationships between archaeological and archival records, present new methods and resources relevant to archaeological and archival research, and/or critically examine the complex relationships between archival and archaeological records. Topics to be highlighted include human-animal relationships, indigenous peoples and institutions of slavery, slavery in urban and rural environments, records of enslaved people and free people of color, the identification and protection of slave burials, and ongoing efforts to digitize archives related to slavery. Geographical contexts include Peru (pre- and postcontact), Mississippi, Kentucky, Georgia, and North Carolina.

**Participants:** Danitza Márquez Ramírez; Christian Mader; Terrance Weik; Linda Stine; Kara Bridgman Sweeney, Lilith Logan and Raymond Phipps; Mary Minkoff; C. Broughton Anderson; Claire Heckel

*Symposium* **THE WORLDS OF ISLAMIC ARCHAEOLOGY: INVESTIGATION, INTERPRETATION, AND INNOVATION**

**Time:** 9:00 a.m.–11:15 a.m.

**Chair:** Ann Merkle

**Abstract:** This session seeks to bring together Islamic archaeologists to discuss current approaches and questions on a variety of research in the field. By addressing a large range of topics and work, we aim not only to connect scholars working in seemingly disparate geographical areas and periods but also to deepen our perception of the nature of Islamic archaeology and its potential for future research. We welcome papers that approach any aspect of Islamic archaeology from a variety of perspectives and methodologies.

**Participants:** Tasha Vorderstrasse; Catherine Klesner and Pamela Vandiver; Ann Merkle and Michael Frchetti; Stephennie Mulder; Elissa Bullion and Sean Greer; Donald Whitcomb; Veronica Morriss; Anthony Lauricella

*Symposium* **AN OCEAN OF DATA: OPPORTUNITIES AND CHALLENGES FOR USING LEGACY DATA IN PACIFIC ISLAND ARCHAEOLOGY**

**Time:** 9:00 a.m.–11:15 a.m.

**Chairs:** Adam Johnson; Spencer Lambert

**Abstract:** This session highlights the opportunities and challenges associated with using legacy data to advance new research and manage archaeological and cultural resources in the Pacific Islands. More than a century of previous research in the region has produced foundational knowledge on a broad range of topics and generated a wealth of data through the survey, mapping, excavation, and analysis of cultural material as well as through collecting oral histories. These legacy datasets provide opportunities for the continued study of a number of research areas. They also present several challenges such as locating repositories of artifacts and records, resolving questions of quality, and making data available for reuse. We invite presenters to discuss how the application of digital technologies are being used to transform analog legacy data to digital format, as well as how legacy data fits with contemporary data that are born digital.

**Participants:** Aymeric Hermann and Robert Forkel; Mara Mulrooney and Mark McCoy; Reno Nims; Summer Moore and Michael Graves; Adam Johnson, Thegn Ladefoged and Mark McCoy; Darby Filimoehala, Alex Morrison, Jennifer Huebert, Jon Tulchin and Trever Duarte; Spencer Lambert and Mark McCoy; Alex Morrison and Timothy Rieth; Regina Hilo

*General Session* **DISCOVERIES IN BRONZE AGE ARCHAEOLOGY**

**Time:** 9:00 a.m.–11:15 a.m.

**Chair:** Erina Baci

**Participants:** Knut Ivar Austvoll; Erina Baci, Michael Galaty, Sylvia Deskaj and Haxhi Mehmetaj; Eugenia Gorogianni; Robert Staniuk; Felipe Criado-Boado; Rachel Kulick, Kevin Fisher and Francesco Berna; Ashley Cercone; Michael Tritsch; Danielle Phelps

*General Session* **PREHISTORY OF THE MIDWESTERN UNITED STATES**

**Time:** 9:00 a.m.–11:15 a.m.

**Chair:** Richard Edwards

**Participants:** Patrick Druggan; Susan Kooiman and Aaron Comstock; Catherine Doubles, Jake Lulewicz, Jason King and Jane Buikstra; Richard Edwards and Robert Jeske; Robert Jeske and Richard Edwards; Rebecca Barzilai; Travis Jones; Katy Mollerud, Robert Cook, Sarah Johnson and Annie Greco; Alison Hadley

*Symposium* **THE PRACTICE OF MAYA WARFARE**

**Time:** 9:00 a.m.–11:30 a.m.

**Chairs:** Justin Bracken; Christopher Hernandez

**Abstract:** Warfare as a process profoundly impacts the human experience. The fortification of settlements in many parts of the world defined ancient notions of cities, culture, and wilderness (Ballmer et al. 2018; Tracy 2000). Additionally, the creation of martial landscapes and maintenance of warriors can define communities and provide a means for social differentiation, which includes the perpetuation of social hierarchies (Earle 1997; Tilly 1985). This session foregrounds a focus on the concrete dynamics and lived experience of war in the Maya cultural context. The aim is to shift away from treating war as an abstract category and think about social conflict at the level of practice (e.g., Inomata 2014; Nielsen and Walker 2009). How did Maya peoples prepare for and engage in combat, as well as administer the outcomes of war? What can be said about strategy, operations, and tactics in the past? How did the Maya use weapons, armor, and fortifications? With these questions in mind, the presenters in this session provide richly contextualized case studies and overviews of warfare from across the Maya area that demonstrate the broad impacts of social conflict.

**Participants:** Christopher Hernandez; Justin Bracken; Kazuo Aoyama; Ricardo Rodas, Alejandra Roche Recinos and Omar Alcover; Andrew Scherer, Charles Golden and George Kollias; Alexandre Tokovinine; Caitlin Earley; Mary Miller

**Discussants:** Takeshi Inomata; Elizabeth Arkush

*Symposium* **MUSIC ARCHAEOLOGY IN THE TWENTY-FIRST CENTURY: EXPLORING CONCEPTUALIZATIONS OF "MUSIC" AND RELATING METHODOLOGIES TO MATERIAL AND HUMAN CONTEXTS**

**Time:** 9:00 a.m.–11:30 a.m.

**Chair:** Miriam Kolar

**Abstract:** Invoking the term "music" in archaeology triggers epistemological questions: the conceptual and practical tools that we use to engage musical concerns determine (1) how we define what is musical, (2) what forms of archaeological evidence we explore, and (3) the methodologies we develop and leverage in response to these experientially implicative themes, within specific archaeological contexts. For example, whether and how acoustical methodologies are employed for music archaeological research previously distinguished music archaeology from archaeoacoustics, which arose as separate fields but have become practically synonymous in anthropological archaeological applications, although not in all discourse. Music making, a cultural practice, is both contextually dependent and contextually generative. Therefore, the inferential strategies used in music archaeological research are particularly sensitive to anachronistic and cross-cultural biases, although music archaeology must somehow reflect material culture. The case-study and philosophical discussions in this session, focused in the Americas, present a variety of archaeological approaches to musical concerns, relating methodological frameworks to archaeological materials, research contexts, and human experience.

**Participants:** Matthias Stöckli; Mélanie Ferras; Daniela Villalva and Daniela La Chioma; Mark Howell; James Rees; Emily Brown; Jamie Arjona; Jeff Benjamin

**Discussant:** Miriam Kolar

*General Session* **THE ARCHAEOLOGY OF TRADE AND EXCHANGE**

**Time:** 9:00 a.m.–11:30 a.m.

**Chair:** Jessica Yann

**Participants:** Jessica Yann; Megan Conger; Jaron Davidson; Linda Wheelbarger; Thomas Hester and

Michael Glascock; Lucha Martínez de Luna and Juan Ignacio Macias Quintero; German Loffler; Arianna Garvin, Matthew Sitek, Jade d'Alpoim Guedes, Julianna Santillan-Goode and Paul Goldstein; Jou-chun Lu; Alireza Khounani

*Symposium* **IN THE FOOTSTEPS OF TORIBIO MEJÍA XESSPE: THE CORRAL REDONDO ARCHAEOLOGICAL PROJECT, PERU**

**Time:** 9:00 a.m.–12:00 p.m.

**Chairs:** Danny Zborover; Maria Lozada

**Abstract:** Corral Redondo is located in southern Peru, where the Chorrunga River joins the Ocoña River on its way from the Andes to the Pacific Ocean. In 1943, the site briefly shot to fame after local villagers recovered here spectacular artifacts from the Middle and Late Horizon periods. The type and number of artifacts found suggests that this functioned as a ceremonial compound in both Wari and Inka times. However, because the site was looted and the finds dispersed to museums in Peru and elsewhere, all archaeological information associated with them has been lost. In the summers of 2018 and 2019, a team of scholars and students from the Institute for Field Research, University of Chicago, the Cotsen Institute, Indiana State University, and local archaeologists visited the Ocoña Valley to investigate and record the site of Corral Redondo and its wider environs. In this session, the first results of this ongoing research endeavor will be discussed, focusing not only on the excavation of Corral Redondo but also on the survey and mapping of sites in the surrounding valleys, as well as on community-based collaboration with the local school and conservation of the artifacts kept at the local museum.

**Participants:** Jorge Silva Sifuentes, Victor Paredes Castro, James Quilca and Maria Cecilia Lozada; Maria Lozada, Danny Zborover, Sylvia Cheever and Erika Simborth; Erika Simborth, Hans Barnard and Alex Badillo; Alex Badillo; Danny Zborover, Alex Badillo and Willy Huashuayo Chávez; Vanessa Muros, Emily Rezes, Lavina Li and Elena Bowen; Jessica Lévy Contreras; Sylvia Cheever; Abraham Seare; Iris Jacobs and Vanessa Muros

**Discussant:** Justin Jennings

*General Session* **ZOOARCHAEOLOGY AND FAUNAL ANALYSIS**

**Time:** 9:45 a.m.–12:00 p.m.

**Chair:** Kateea Peterson

**Participants:** Kateea Peterson, Pamela Pascali, John Dudgeon, Samantha Blatt and Amy Michael; Ariel Taivalkoski; Molly Herron, Todd Surovell and Madeline Mackie; Kimberly Sheets; Kailey Martinez; Amanda Semanko; David Wilson; Asia Alsgaard, Carolyn Freiwald, Stephanie Orsini, Douglas Kennett and Keith Prufer; Fabiana Martin

*General Session* **LANDSCAPE ARCHAEOLOGY IN THE AMERICAS**

**Time:** 9:45 a.m.–12:00 p.m.

**Chair:** Timothy Hare

**Participants:** Justin Reamer; Stanley Berryman; Mark Wagner and Mary McCorvie; Virginia Arieta Baizabal and Yuribia Velázquez Galindo; Eunice Villasenor Iribe and Christopher Morehart; Rudolf Cesaretti, Carlos Cordova and Charles Frederick; Antonieta Rivera; Timothy Hare, Marilyn Masson and Bradley Russell; Mary Jane Acuña, Carlos Chiriboga, Varinia Matute and Francisco Castañeda

*Symposium* **MATERIALIZING POLITICAL ECOLOGY: LANDSCAPE, POWER, AND INEQUALITY**

**Time:** 10:00 a.m.–12:00 p.m.

**Chairs:** Kacey Grauer; Sarah Breiter

**Abstract:** Archaeology is well suited to highlight the active qualities of materials with its focus on material culture such as artifacts and building features, as well as environmental elements of landscapes such as plant remains and soil. However, the ways people relate to landscapes and materials cannot be separated from power relationships, and the papers in this session embrace materiality without ignoring unequal relations between people. This session brings together scholars working in different areas around the world who reinsert the political into approaches that take seriously the active qualities of materials and landscapes.

The materials that we explore embody the social, political, and environmental dimensions of landscapes. The papers in this session consider how the relationships between inequality, power, and ecology are materialized in landscape at multiple scales, from households to settlement. Papers range in global, social, and material context, demonstrating the wider applicability of combining materiality, landscapes, and political ecology to our discipline.

**Participants:** Melissa Baltus; Kathryn Catlin; Dil Basanti; Ryan Lash; Jennifer Bates, Adam Green, Ravindra Singh and Cameron Petrie; Sarah Breiter; Kacey Grauer

**Discussant:** Steve Kosiba

*Symposium* **INTERSECTIONS OF AQUATIC ECOSYSTEMS AND HUMAN SOCIETY**

**Time:** 10:00 a.m.–12:00 p.m.

**Chair:** Jeff Bryant

**Abstract:** The influence of aquatic environments on human societies is profound, both past and present, affecting settlement strategies, subsistence, and social relations. Likewise, humans influence these ecosystems in ways that can be measured and have far-reaching consequences for both understanding the past and in preparing for the future. Investigations in coastal, riverine, lacustrine, estuarine, and wetland environments offer both immense data potential, and unique challenges that require efforts to foster greater interaction between scholars working in very different contexts, and disciplines. To encourage dialogue and collaboration, papers from a range of methodologies, contexts, and perspectives will be offered, with a focus on human relationships with aquatic ecosystems and resources.

**Participants:** Scott Fitzpatrick and Christina Giovas; Jeff Bryant and Jeffrey Glover; Traci Ardren, Michelle LeFebvre, Victor Thompson, Scott Fitzpatrick and M. Jesse Schneider; William Pestle, Carmen Laguer-Díaz, M. Jesse Schneider, Megan Carden and Daniel Koski-Karell; Gene Shev and Corinne Hofman; Robert Gustas and Iain McKechnie; Alexis Ohman; Elizabeth Ojeda Rodríguez and Derek Smith

*Symposium* **TO MOVE FORWARD WE MUST LOOK BACK: THE SLAVE WRECKS PROJECT AT 10 YEARS**

**Time:** 10:15 a.m.–12:00 p.m.

**Chair:** Meredith Hardy

**Abstract:** The Slave Wrecks Project (SWP) is a collaboration between the Smithsonian National Museum of African American History and Culture, the National Park Service, Diving With a Purpose, Iziko Museums of South Africa, Eduardo Mondlane University, the Society of Black Archaeologists, the University of the Virgin Islands, and other community partners that combines research and underwater and community-focused terrestrial archaeology with public engagement activities. These engagement activities include educational and training programs, museum exhibits, professional internships, and archival research. The SWP fosters public and scholarly understanding of the role of the African slave trade in shaping global history by using maritime and terrestrial archaeology as the vehicle for examining enslavement and its far-reaching global impacts, and the central role that this process played in constituting the modern world. Since 2010, our field efforts have been conducted both along the shores and under the waves in South Africa, Mozambique, Miami, FL (Biscayne National Park), and St. Croix, U.S. Virgin Islands. This symposium presents the results of SWP efforts to foster this understanding, engage local communities in uncovering and preserving their histories, and train local youth to build capacity in heritage management.

**Participants:** Meredith Hardy; Nicole Cannarozzi; Michelle Gray; Stephen Lubkemann, Jaco Boshoff, Ricardo Duarte, David Conlin and Paul Gardullo; Jaco Boshoff and Stephen Lubkemann; Ricardo Duarte and Yolanda Duarte; Pape Laity Diop