



Preliminary Session Schedule

Wednesday Evening, March 29

Sponsored Forum **PRESIDENT'S FORUM: CLIMATE CHANGE AND THE TRANSFORMATION OF ARCHAEOLOGICAL PRACTICE**

(SAA President's Sponsored Session)

Time: 6:30 p.m.–8:30 p.m.

Moderators: Carole Nash; Heather Wholey

Abstract: Cultural heritage resources and the community values and scientific information they represent are being damaged or destroyed by the many impacts of climate change. Climate change threatens environments, economies, and communities, and the critical linkages to intangible cultural heritage, such as sense of place, identity, and history. The practice of archaeology is transforming in response to this reality, reframing work environments, methods, and partnerships. This forum explores (1) how archaeologists are developing new methods, including fieldwork adaptation, worker safety, mitigation strategies, curation, and digital preservation; (2) collaborative relationships with descendant and local communities that document, preserve, or mitigate against the loss of cultural heritage to support the transmission of cultural knowledge, tradition, and sovereignty; and (3) necessary political, financial, and industry support for the conditions that climate change poses.

Discussants: Carole Nash; Heather Wholey; David G. Anderson; Desiree Martinez; Alvaro Montenegro; William Belcher; Kimberly Wooten; Karen Brunso; Tim Kohler

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Sponsored Symposium **RECENT ADVANCES IN MATERIAL SOURCING AND PROVENIENCE STUDIES IN AFRICA**

(Sponsored by the Society of Africanist Archaeologists)

Time: 8:00 a.m.–9:00 a.m.

Chair: Benjamin Smith

Abstract: Africa preserves the deepest history of raw material exploitation in the world and compositional sourcing techniques have been central to the practice of archaeological science on the continent for over half a century. The goal of this symposium is to bring together a wide range of research into the procurement, movement, and transport of raw materials across the African continent. The papers in this session range from new studies of material procurement in understudied regions, to recent advances in compositional sourcing techniques, to discussions of what provenience and sourcing studies can reveal about the diverse ways people and things have moved across natural and social landscapes through time.

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Participants: Sydney James, Husna Mashaka, Sarah Mollel, Julius Ogutu and Kathryn Ranhorn; Benjamin Smith, Lucas Johnson and Steven Brandt; Brandi MacDonald, Elizabeth Velliky, Jorg Linstatder, Lisa Ehlers and Gregor Donatus Bader; Stanley Ambrose

Symposium **ISOTOPE STUDIES IN THE OLD AND NEW WORLDS, PART I**

Time: 8:00 a.m.–9:30 a.m.

Chair: Gina Buckley

Participants: Petr Kvetina, Sylva Drtikolova-Kaupova, Ivana Jarosova, Zdenek Tvrdy and Frantisek Trampota; Eleutério Abreu De Sousa; Gina Buckley, Sergio Gómez Chávez, Ruben Cabrera Castro, Fred Longstaffe and Spencer Seman; Jessica Cardoso, Benjamin Fuller, Pauline Méjean, Andre Strauss and Klervia Jaouen; Chad Rankle, Hector Neff, Gina Buckley, Andrea Cucina and Virginie Renson; Celeste Gagnon, Bethany Turner, Richard Sutter and Gabriel Prieto

Sponsored Forum **BACK TO THE FUTURE: THE NATIONAL HISTORIC PRESERVATION ACT AND THE SAA/NPS AIRLIE HOUSE SEMINARS REVISITED, PART I**

(Sponsored by the SAA President)

Time: 8:00 a.m.–10:00 a.m.

Moderator: John Douglass

Abstract: The National Historic Preservation Act of 1966 set the course for archaeology in the United States. The SAA and National Park Service's 1977 *The Management of Archaeological Resources: The Airlie House Report* brought cultural resource management to the forefront and continues to do so. However, as we enter the third decade of the twenty-first century, archaeology is facing new challenges not foreseen in the Airlie House report. In recent years, the profession has changed, guided by technological innovations and social issues such as climate change, environmental justice, the rights of Indigenous and descendant communities, and Traditional Ecological Knowledge. These changes and innovations are affecting how archaeology is practiced today. Furthermore, necessary changes to professional training and a projected shortfall in workforce capacity pose additional challenges. We have urgent work to do to ensure that the federal archaeology program and the discipline reflect and are responsive to these changes. This forum seeks to engage in open dialogue on major topics affecting our profession in the coming decades. Information garnered through discussion in this forum will help facilitate a planning summit scheduled for summer 2023 to address these challenges.

Discussants: Karen Brunso; Dan Sandweiss; John Welch; Allyson Brooks; Josh Torres; Kimberly Redman; William White

Sponsored Forum **FACING CHALLENGES: ZOOARCHAEOLOGY IN A CHANGING WORLD**

(Sponsored by the Zooarchaeology Interest Group)

Time: 8:00 a.m.–10:00 a.m.

Moderators: Diana Carvajal Contreras; Susan Monge; María Martínez-Polanco

Abstract: This forum brings together zooarchaeologists and taphonomists from low-income countries or involved in research there. This forum is a place to share experiences regarding challenges related to this post-pandemic world as well as the resources that can be used to face some of the issues involved in developing our research (i.e., the access to comparative collections or open data resources). Some of the themes that we want to discuss include the recent closure of traditional zooarchaeology departments, the lack of specific core courses at undergraduate and graduate programs, and the difficult access to permanent job positions. In this changing world, zooarchaeology is not only the study of past human interactions with the environment but also the present and the future. This forum aims to communicate, collaborate, and to create a workflow. Collaborative initiatives could be the key to continue carrying out zooarchaeological research in regards to climate change, inequality, food safety, and culinary identity.

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Discussants: Amelia Sánchez Mosquera; Alejandro Figueroa; Maria Gutierrez; Alice Diaz; Susan Monge; José Capriles; María Martínez-Polanco

Symposium **RECENT RESEARCH ON GLASS BEADS AND ORNAMENTS IN NORTH AMERICA**

Time: 8:00 a.m.–10:00 a.m.

Chair: Alison Carter

Abstract: Glass beads and ornaments in North America have long been used as markers of contact between Indigenous and European communities as well as chronological markers. However, more recent work has expanded research questions to explore how glass ornaments can bring more nuanced understandings of exchange, connectivity, and identity by the diverse peoples who traded, modified, and used these objects. The papers in this session examine glass beads and ornaments from across North America and use a variety of approaches to examine these topics—from the use of compositional techniques to explore the origins and exchange of glass beads—to typological studies that consider how particular types and colors of beads were selected and used.

Participants: Alicia Hawkins and Heather Walder; Sire Pro and Tom Tandberg; Robert Cromwell, Christopher DeCorse and Douglas Wilson; Michele Hoferitza; Kaitlin LaGrasta; Matthew LoBiondo; Steve Filoromo, Paul Jackson and Kenny Pearce

Symposium **THE ARCHAEOLOGIES OF INDUSTRY**

Time: 8:00 a.m.–10:00 a.m.

Chair: Erin Schwartz

Participants: Chelsea Rose and Tiah Edmunson-Morton; F. Scott Worman and Elizabeth Sobel; Kristina McDonough; Hunter Crosby; Hannah Russell; Carl Drexler; Matthew Diederich; Erin Schwartz

Symposium **ARCHAOMETRY AND COMPOSITIONAL ANALYSIS STUDIES, PART I**

Time: 8:00 a.m.–10:15 a.m.

Chair: John Samuelsen

Participants: Randy Haas, Eric Dillingham, Debbie Lundy, Nicolas Tripcevich and Mikayla Rosario; Mario Zimmermann and Shannon Tushingam; Giorgia Sardelli, Claire Chanteraud, Hélène Salomon and Federica Fontana; John Samuelsen and Elizabeth Horton; Jonah Augustine and Brandi MacDonald; Zuzana Chovanec; John Dudgeon, Charles Speer, Beau Craner and Rebecca Hazard; Judith Trujillo; Lane Fargher and Ricardo Antorcha-Pedemonte

Symposium **RITUALS AND BELIEFS: INTERPRETATIONS OF IDEOLOGY THROUGH MATERIAL CULTURE**

Time: 8:00 a.m.–10:15 a.m.

Chair: Kalei Oliver

Participants: Nathan Lawres and Matthew Sanger; Alberto Ortiz Brito, Arlina Morales Guillen and Daira Hernandez Bellido; Kaitlin Ahern; Madeleine Fyles; Cherra Wyllie; Kalei Oliver and Rebecca Bria; Oscar Arias Espinoza; Kim Ruf; George Micheletti

Symposium **ADAPTATION, NEGOTIATION, AND POWER: RECENT STUDIES IN CONTACT AND COLONIALISM, PART I**

Time: 8:00 a.m.–10:45 a.m.

Chair: Kofi Nutor

Participants: Sahar Monrreal; Daniel Pullen; Douglas Ross and Bridget Wall; Ellen Hsieh; Ana Navas-Méndez, Daniel Pierce, Mary Ownby, Brandi MacDonald and Michael Glascock; Valda Black and Danielle

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Kurin; Kofi Nutor; Maria Martinez, Michael Brandl, Edward Vicenzi, Meredith Sharps and Thomas Lam; Kirstine Møller; Kaitlin Brown, Brian Barbier and Gina Mosqueda-Lucas; Kelton Sheridan

Symposium **THE MOVEMENT OF PEOPLE AND IDEAS IN EASTERN MESOAMERICA DURING THE NINTH AND TENTH CENTURIES CE: A MULTIDISCIPLINARY APPROACH, PART I**

Time: 8:00 a.m.–11:00 a.m.

Chair: Vera Tiesler

Abstract: For two centuries after the close of the Classic period we know that profound cultural changes swept across Eastern Mesoamerica. What has been harder to ascertain are the vectors of transmission, and the relative importance of migration, commerce, proselytization, and military adventurism in the processes that brought new ideas to the region. This symposium takes a multidisciplinary approach that brings together archaeologists, bioarchaeologists, paleo-geneticists, iconographers, and epigraphers in pursuit of a more holistic understanding of the problem. Gravitating away from familiar but overly fixed dichotomies of ethnic identity, we look for overlaps between research hubs that cover the Gulf Coast, Northern Yucatán, the Central Petén, Belize, and the Pacific highlands reaching down to El Salvador and beyond. Bolstered by new methodologies and pan-regional data surveys, body-anchored approximations will be confronted with data from architecture, artworks, and artifacts. We hereby hope to revitalize discussion about the dynamics of collapse for Classic Maya kingdoms and highlight the various ways in which biological and cultural contacts evolved and many societies prospered after 800 CE, countering the assumptions of hermetically sealed communities in which new cultural concepts float through the ether, rather than being in heads and hands of people on the move.

Participants: Stephen Houston; Yasmine Flynn-Arajdal, Christina Halperin, Carolyn Freiwald, Katherine Miller Wolf and Miriam Salas; Jaroslaw Zralka; Mara Reyes, Lilian Corzo and Rocio Albarrán; Cristina Vidal-Lorenzo and Gaspar Muñoz Cosme; Simon Martin; Andrew Turner; Arturo Pascual Soto; Jaime Awe, Claire Ebert and Julie Hoggarth; Jim Aimers and Elizabeth Graham; Eleanor Harrison-Buck

Symposium **POLITICAL ECONOMIES ON THE ANDEAN COAST**

Time: 8:00 a.m.–11:15 a.m.

Chairs: Jordan Dalton; Gabriela Cervantes Quequezana

Abstract: From Ecuador to northern Chile, the Andean coast was home to diverse polities that have been studied by both archaeologists and historians. These studies have provided extensive datasets for interpreting coastal political economies, but research often emphasizes models developed for the central Andean highlands. Due to differences in environmental factors and sociopolitical organization between the coast and the highlands, in this session we would like to prioritize data and models from diverse coastal polities. From AD 700 to 1570, the Andean coast was home to a variety of different groups that had distinct political economies, but each polity was shaped to some extent by interactions with other coastal groups and access to marine resources and coastal trade. These topics crosscut a wide range of datasets that include analyses of material culture and studies of Spanish chronicles, census data, and legal documents. In this session we will unite research on currency, value, storage practices, exchange, the organization of craft production, hierarchy, and sociopolitical strategies. Through exploring archaeological and historical research, we hope to better reconstruct broad trends and shifts in coastal Andean political economies and long-distance exchange.

Participants: Benjamin Carter; Florencio Delgado Espinoza; Andrea González Lombardi; Izumi Shimada; Parker VanValkenburgh; Gabriela Cervantes Quequezana; Luisa Diaz Arriola; Giancarlo Marcone; Rodrigo Areche Espinola; Jordan Dalton; Leonor Adán, Mauricio Uribe and Simón Urbina

Discussants: Frances Hayashida; Kenneth Hirth

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Symposium **TECHNOLOGICAL TRANSITIONS IN PREHISPANIC AND COLONIAL METALLURGY: RECENT AND ONGOING RESEARCH AT THE ARCHAEOLOGICAL SITE OF JICALÁN VIEJO, IN CENTRAL MICHOACÁN, WEST MEXICO**

Time: 8:00 a.m.–11:45 a.m.

Chairs: Blanca Maldonado; Hans Roskamp

Abstract: Copper and its alloys were the raw materials par excellence for most precolumbian metallurgical industries. In ancient Mesoamerica, copper was not only the predominant metal but also the most amply used base material. When the colonizers assumed control of the local copper industry in the early sixteenth century, it is presumed that they employed native miners and smelters, who for decades carried on the metallurgical techniques that they knew. However, the metallurgists introduced several innovations through the remainder of Spanish dominion, during which time various minerals were extracted from ore. This poster session addresses the preliminary results of the Preindustrial Mining and Metallurgy in Mexico: Research on Copper Smelting in Michoacán project, which focuses on interdisciplinary research at the Postclassic and Colonial site of Jicalán Viejo. Recent and ongoing field and archival investigations and laboratory analyses have allowed us to identify patterns from temporal, spatial, structural, and functional standpoints. This symposium aims to present the above recent investigations and analyses in a public format to a wide audience and to bring together researchers with diverse interests who are contributing to the project.

Participants: Néstor Corona, Mario Retiz-García, Hans Roskamp and Blanca Maldonado; Gerardo Cifuentes, Yosselin Angeles, Andres Tejero and Mario Retiz; Berenice Pedroza, Luis Velázquez, Fernando May, Blanca Maldonado and David Larreina; Andres Francisco Sanchez Guerrero, Blanca Maldonado, David Larreina, Luis Velázquez and Fernando May; Luis Velázquez-Maldonado, Berenice Pedroza, David Larreina-García, Mario Retiz-García and Blanca Maldonado; David Larreina-García and Blanca Maldonado; Jose May-Crespo, David Larreina-García, Blanca Maldonado, Luis Ramón Velázquez-Madonado and Mario Retiz-García; Diana Patricia Castro Montes and Blanca Maldonado; Gabriela Domínguez-Vázquez, Dulce Maria Bocanegra-Ramírez and Isabel Israde-Alcántara; Edith Ortiz-Díaz; Johan Garcia Zaldua; Hans Roskamp

Discussants: Blanca Maldonado; Helen Pollard

Symposium **ARCHAEOLOGICAL CONGRESS: MULTIVOCAL CONVERSATIONS FURTHERING THE WORLD ARCHAEOLOGICAL CONGRESS AGENDA**

Time: 8:00 a.m.–12:00 p.m.

Chairs: Claire Smith; K Pyburn; Dru McGill

Abstract: The multivocal conversations in this session will advance the core agenda of the World Archaeological Congress, particularly in relation to social justice, Indigenous land rights, and ethical globalization. The session will feature presentations in a conversation format between archaeologists and the various people with whom they work. Conversations will be in person, in real-time via the internet, or pre-recorded. Presentations will discuss themes such as climate change, food security, health and well-being, and Indigenous land rights. The papers in this session will inform the developing agenda for WAC-10, which will be held in Adelaide, Australia, in June 2025.

Participants: Paul Everill; Krysta Ryzewski, Tareq Ramadan and Aaron Sims; Christopher Matthews, Emma Gilheany, Megan Hicks and Eric Johnson; Sandra Lopez Varela; Peter Biehl and Johannes Mueller; Martin Porr; Ranjan Datta and William Marion; Sara Gonzalez, Briece Edwards, Yoli Ngandali and Ian Kretzler; Laura Kelvin and Lisa Rankin; Karin Larkin, Fawn-Amber Montoya and Robert Butero; Claire Smith, Kellie Pollard, Anita Painter, Maria Ortiz and Andrew Coe

Discussants: Suzie Thomas; Peter Schmidt; Margaret Conkey; Dorothy Lippert; Stephen Loring

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Symposium **ARCHAEOLOGY OF ALASKA, THE GATEWAY TO THE AMERICAS**

Time: 8:00 a.m.–12:00 p.m.

Chairs: Julie Esdale; Ian Buvit

Abstract: For decades, research in Alaska has been a cornerstone for our understanding of the late Pleistocene and Holocene peopling of Beringia, Siberia, and the Americas. Recent focus on a period of human isolation, called the Beringian Standstill Hypothesis, for example, has been supported almost entirely by work done in the state. Additionally, regional studies in the state focused on the movement of people and technologies during the Holocene encompassing sites from areas as large as most states. This session includes papers dedicated to current studies in Alaska with emphasis on prehistory, paleoecology, and human-environment interaction.

Participants: Jennifer Kielhofer, Jessica Tierney, Joshua Reuther, Ben Potter and Charles Holmes; Charles Holmes, Ben Potter and Joshua Reuther; Ben Potter, Carrin Halffman, Holly McKinney, Joshua Reuther and Bruce Finney; Lauren Norman, Rolfe Mandel, Lauriane Bourgeon, Caronline Kisielinski and Justin Holcomb; Kelly Graf, Nathan Shelley, Julie Esdale and Ted Goebel; Ted Goebel, Angela Gore, Jeff Rasic and Kelly Graf; Brian Wygal, Kathryn Krasinski, Charles Holmes, Barbara Crass and Jessica Metcalfe; John White, Auréade Henry, Stephen Kuehn, Michael Loso and Jeffrey Rasic; Kate Yeske, Thomas Allen, Robert Bowman and Holly McKinney; Julie Esdale, Ian Buvit, Lindsay Doyle and Whitney McLaren; Ian Buvit and Julie Esdale; François Lanoë, Joshua Reuther and Gerad Smith; Barbara Crass, Charles Holmes, Josh Reuther, Gerad Smith and François Lanoë; Hilary Hilmer and Dougless Skinner

Discussant: Briana Doering

Sponsored Symposium **PUBLIC LANDS, PUBLIC SITES: RESEARCH, ENGAGEMENT, AND COLLABORATION**

(Sponsored by the Public Archaeology Interest Group)

Time: 8:00 a.m.–12:00 p.m.

Chairs: Stephanie Sperling; Angela Jaillet-Wentling; Joe Baker

Abstract: Some of the most significant archaeological sites in the United States and abroad are located on public land. Professionals who work with these federal, state, and local entities find their time divided among a staggering number of responsibilities and stakeholders. While the management, stewardship, and interpretation of the buried past isn't always prioritized within these organizations, unique opportunities for preservation, connection, and exploration abound. This symposium will highlight projects conducted in a variety of taxpayer-funded agencies, some with long traditions of archaeology and some just getting off the ground. The goals of the session, sponsored by the SAA Public Archaeology Interest Group, include highlighting best practices and approaches to public lands archaeology and emphasizing the importance of these sites and projects for descendant communities, natural and cultural resource managers, and the citizens who own the land.

Participants: Joel Dukes; Anya Gruber, Amy Fedchenko and Mikala Hardie; Bernard Means; Jesse Gunnels; Charles McLeod; Katherine Peresolak; Amanda Telep; Ross Owen and Roy Brubaker; Niels Rinehart; Joan Schneider; Angela Jaillet-Wentling and Katherine Peresolak; Stephanie Sperling; Jonathan Burns and Amanda Rasmussen; Megan Shaeffer, Charlotte Gintert and Maeve Marino

Discussant: Joe Baker

Sponsored Symposium **2023 FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF TIMOTHY BEACH, PART I**

(Sponsored by the Fryxell Award Committee)

Time: 8:00 a.m.–12:00 p.m.

Chairs: Samantha Krause; Duncan Cook

Abstract: The 2023 Fryxell Award for Earth Sciences scholarship is awarded to Dr. Timothy P. Beach, Professor and C. B. Smith Sr. Centennial Chair in the Department of Geography and the Environment at

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the University of Texas at Austin. The 2023 Fryxell Award is presented in the Earth Sciences category due to the generous support of the family of the late, great geologist Roald Fryxell, who built his career on the interdisciplinary importance of the geological sciences in archaeology. This symposium, organized as part of the award, brings together a group of scholars working in diverse regions and fields but all with a common goal of advancing archaeology through a rigorous earth science focus. Here we celebrate Tim Beach's distinguished and ongoing research career. Tim Beach is an accomplished geoarchaeologist and his research focuses on the reconstruction of past land-use patterns, agriculture, and human-environmental interaction over many temporal scales using many methods. He has worked most recently on using innovative geoarchaeological techniques in the Maya Lowlands, but Tim's talent is not contained to one region or method. To compliment and honor Tim's ongoing work, we showcase advances in our shared discipline related to geoarchaeology, soils, geochemistry, and remote sensing science.

Participants: Fred Valdez; Arlen Chase, Diane Chase and Adrian Chase; Sheryl Luzzadder-Beach, Timothy Beach, Nicholas Dunning, Duncan Cook and Samantha Krause; Keith Prufer, Megan Walsh, Nadia Neff, Amy Thompson and Douglas Kennett; Thomas Guderjan and Colleen Hanratty; Nicholas Dunning, Jeffrey Brewer, Christopher Carr, Kathryn Reese-Taylor and Armando Anaya Hernández; David Lentz, Atasta Flores Esquivel, Kathryn Reese-Taylor, Armando Anaya Hernández and Nicholas Dunning; Clifford Brown, Hector Neff, Michael Glascock, Sofia Feliciano and Andrew Terentis; Marisol Cortes-Rincon, Kristen Harrison, Amanda Zetz, Raylene Borrego and Hannah Vizcarra; Daniela Triadan and Takeshi Inomata; Marieka Brouwer Burg, Eleanor Harrison-Buck and Samantha Krause; Elizabeth Graham, Francesca Glanville-Wallis, Daniel Evans, Julia Stegemann and Simon Turner; Duncan Cook, Larissa Schneider, Timothy Beach, Sheryl Luzzadder-Beach and Nicholas Dunning

Discussants: Scott Hutson; Charles Golden; Duncan Cook

Symposium **LIVING LANDSCAPES: DISASTER, MEMORY, AND CHANGE IN DYNAMIC ENVIRONMENTS**

Time: 8:00 a.m.–12:00 p.m.

Chairs: Megan LeBlanc; Amanda Brock Morales

Abstract: Throughout time, humans around the world engaged with, adapted to, and exacerbated environmental changes to sustain livelihood and create meaningful relationships with place. Through a global perspective, this session employs an understanding of Landscape as an active, social, and physical process, to explore how past societies make, respond to, and transform dynamic landscapes through time. We explore the relationship between landscapes and memory, while readdressing the definition of dynamic landscapes. Dynamic landscapes have often been associated with environmental changes and human modifications that impact the physical characteristics of an area. These spaces are not only reflected in the material world but are also manifested within memory or knowledge of the individuals and communities that live in them. We acknowledge that environmental change can be rapid, gradual, disastrous, beneficial, and a product of physical or social factors. We also acknowledge that impacts of environmental change and landscape transformation are not always equally experienced across societies. Both landscapes and the memories of people who live in these landscapes are dynamic; they are built through periods of both stability and instability. Through archaeological methods, we can study what makes dynamic places meaningful through lasting legacies and changes in the past.

Participants: Amanda Brock Morales; Megan LeBlanc; Carla Klehm, Camille Westmont and Kaitlyn Davis; Josefina Vasquez Pazmino; Kristina Douglass and Tanabelo Rasolondrainy; Junko Habu; Amy Cromartie and Sébastien Joannin; Mark Howe; Sophia Perdikaris and Edith Gonzalez; David Witt, Catherine Landis and Neil Patterson Jr.; Adam Birge; Jessica Christie; Kellam Throgmorton; Isabel Rivera-Collazo

Discussant: Andrew Roddick

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Symposium **DEDICATION, COLLABORATION, AND VISION, PART I: PAPERS IN HONOR OF TOM D. DILLEHAY**

Time: 8:15 a.m.–11:45 a.m.

Chair: Carla Hernández Garavito

Abstract: This symposium celebrates the career of Tom D. Dillehay and his impactful contributions to interdisciplinary anthropology and South American archaeology. From meticulously researched archaeological studies that transformed our understanding of early humans in the Americas to interdisciplinary historical investigations of colonialism and commitment to ethical ethnographic research among modern Indigenous communities, Tom's career is a trailblazing example of an anthropological archaeologist. His broad research addresses issues of settlement, migration, interaction, identity, environmental transformation, agriculture, and development of complex societies in the Indigenous Americas, including in South America, the USA, and Mexico. Moreover, Tom has held professional appointments in 19 institutions across Latin America, where he has not only taught generations of archaeology students but also founded three departments of anthropology. In this two-part session, Tom's former students and mentees (Part I) and colleagues and collaborators (Part II) discuss the influence of his extraordinary career on their scholarship or the discipline at large, as well as showcase regionally and thematically diverse papers that honor his career. All presentations connect to Tom's tireless and ongoing pursuit of understanding how pre-complex and complex societies emerged, what propels social change, and how archaeology contributes key anthropological insights vis-à-vis interdisciplinary, collaborative, and theoretically grounded research.

Participants: Kary Stackelbeck and Greg Maggard; John Arnn; Jack Rossen; John Warner; Jose Iriarte; David Pollack and A. Gwynn Henderson; A. Gwynn Henderson, David Pollack and Benjamin Barnes; Jacob Sauer and Teresa Franco; Rebecca Bria and Brian McCray; Kasia Szremiski and Carla Hernández Garavito; Edward Swenson

Discussants: Carla Hernández Garavito; Steven Wernke

Symposium **SUBSISTENCE CROPS AND ANIMALS AS A PROXY FOR HUMAN CULTURAL PRACTICE**

Time: 8:30 a.m.–12:00 p.m.

Chairs: Miguel Vallebuena-Estrada; Kelly Swarts

Abstract: Agroecological systems can be thought of across three dimensions: (1) plant and human biology, (2) the local biotic and abiotic community, and (3) human cultural practice. Modern agroecological systems are the result of millennia of negotiations between human practices, population biology, and environmental conformation. Archaeological practices allow us to observe these processes over time and space using landscape approaches to understand management practices and past environments, stylistic analysis to inform cultural understanding, and ancient DNA to interrogate biological changes as these systems developed.

Participants: Emily McClung de Tapia, Guillermo Acosta-Ochoa, Diana Martínez-Yrizar, Carmen Cristina Adriano-Morán and Jorge Ezra Cruz-Palma; Natasha Lyons, Chelsey Armstrong, Tanja Hoffmann, Roma Leon and Michael Blake; Andrew Somerville, Isabel Casar and Pedro Morales; Bruce Benz; Miguel Vallebuena-Estrada, Krisztian Nemeth, Bruce Benz, Michael Blake and Kelly Swarts; Kelly Swarts, Miguel Vallebuena, Lisa Huckell, Hernan Burbano and Bruce Huckell; Jennifer Watling, Tiago Hermenegildo, Thiago Kater and Fabian Menges; Dorian Fuller; Frank Winchell; S. Yoshi Maezumi, Sarah Elliott, Mark Robinson and Jose Iriarte

Discussants: Miguel Vallebuena-Estrada; Emily McClung de Tapia; Dorian Fuller; Kelly Swarts

Symposium **ARCHAEOLOGICAL STUDIES OF LITHICS, PART I**

Time: 8:30 a.m.–12:00 p.m.

Chair: Ryan Brady

Participants: Robert Rowe, Jennifer Pelache and Bradley Byrnes; Alexander Rogers and Robert Yohe II;

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Ryan Brady, Julie Royer, Loukas Barton, Micah Hale and Brad Comeau; Jordan Pratt; Shelby Saper, Richard Rosencrance, Katelyn McDonough, Geoffrey Smith and Dennis Jenkins; Armando Falcucci and Diego Lombao; Renata Araujo, Mercedes Okumura and Astolfo Araujo; Justin Carlson, David Pollack, David Breetzke, Deborah Parrish and Heather Byerly; Leticia Correa and Astolfo Araujo; Océane Spinelli Sanchez, Laurine Travers, Alain Chauvet, Michel Brenet and Anne Delagnes; Jeremy Beller, Mark Collard and Amer al-Soulimann; Jenna Anderson and Sonia Harmand; David Rafael McCormick Alcorta; Simon Sherman

Sponsored Symposium **MULTISPECIES FRAMEWORKS IN ARCHAEOLOGICAL INTERPRETATION: HUMAN-NONHUMAN INTERACTIONS IN THE PAST, PART I**

(Sponsored by the American Anthropological Association (AAA) Archaeological Division)

Time: 9:00 a.m.–11:45 a.m.

Chair: Lindi Masur

Abstract: Archaeologists have long espoused interpretive approaches that illuminate the agency of human actors in the past. This session aims to deconstruct the centrality of humans within our narratives by considering the ways that other-than-human beings were integral in shaping practice and ideology across the world. Multispecies archaeology has recently become an important way of reorienting approaches to subsistence practices, herding lifeways, landscape transformations, settlement histories, and interregional interaction. By examining the interactions and entanglements of different, possibly multiple, species that form parts of foodways, modes of transportation, and ways of being on a landscape, we will explore how diverse species that may have held distinct value for past societies impacted and transformed daily and long-term activities. Multispecies frameworks contend that the primacy of human agency obscures heterarchical relationships within ecologies and the world at large. Participants in this session are encouraged to consider plants, animals, and other beings including the broader environment as agentive forces that constrained, afforded, and shaped human lifeways and beliefs. Theoretical and methodological perspectives may include posthumanism, osteobiography, kincentric ecologies, ethnography, paleoethnobotany, zooarchaeology, landscapes, and biomolecular approaches, among many others.

Participants: Nicolas Delsol; Traci Ardren; Wade Campbell; Maia Dedrick and Luke Auld-Thomas; Morgan Windle; Elliot Helmer; Molly Carney; Aleksa Alaica

Discussants: Lindi Masur; Nerissa Russell

Symposium **THINKING BIG IN THE ANDES: PAPERS IN HONOR OF CHARLES STANISH**

Time: 9:00 a.m.–12:00 p.m.

Chair: Elizabeth Arkush

Abstract: This session celebrates the deep impact of Dr. Charles (Chip) Stanish on archaeology in and beyond the Andes. His empirical and wide-ranging research illuminates the development of social complexity and the construction of wealth, ritual authority, and large cooperative networks under specific regimes of trade, agriculture, and conflict. From his University of Chicago dissertation in the upper Moquegua valley and his decades of pathbreaking research in the Titicaca Basin to his major advances in the Chincha valley, he has addressed the Andean sequence from Paracas to Inca, and shed light on processes that resonate far beyond the Andes. Currently executive director of the Institute for the Advanced Study of Culture and the Environment (USF), Dr. Stanish was director of UCLA's Cotsen Institute of Archaeology (2001–2016), and previously curator and anthropology chair at the Field Museum. The author of five books, multiple edited books, and scores of articles, he has won recognition as a member of the National Academy of Sciences and the American Academy of Arts and Sciences, among other honors. Above all, his infectious curiosity, brilliance, boundless energy, and big heart have touched and inspired legions of students and colleagues. These papers recognize his influence and honor his contributions.

Participants: Elizabeth Klarich and Elizabeth Arkush; Patrick Ryan Williams; Henry Tantaleán; Christine

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Bergmann and Alexis Rodriguez Yabar; Jacob Bongers, Nathan Nakatsuka, Colleen O'Shea, Thomas Harper and Lars Fehren-Schmitz; Kristine Martirosyan—Olshansky and Alan Farahani; Brett Kaufman; Colleen Zori; Larry Coben; Carol Schultze; Chapurukha Kusimba

Discussant: Charles Stanish

Symposium **BEYOND “BARBARIANS”: DIMENSIONS OF MILITARY ORGANIZATION AT THE BLEEDING EDGE OF THE PREMODERN STATE**

Time: 9:30 a.m.–12:00 p.m.

Chairs: Jennifer Birch; Ben Raffield

Abstract: This session will problematize and theorize dimensions of military organization in non-state and state-adjacent societies. The groups that we focus on include Viking raiders, Iroquoian war parties, German tribal polities during the Roman period, and other large-scale military formations “on the move.” These may “belong,” derive from, or be affiliated in some way with distinct polities but is not necessary. We are interested in comparing their makeup and structure (in a fairly open way), and also where relevant to consider how they either precipitate the formation of or transform themselves into new polities. Questions to be considered include: How does the organization and direction of militarized groups develop outside of the centralizing tendencies of states and vertically integrated societies? To what degree was the organizational and institutional basis of militarized groups integrated with or independent of territorial polities, and to what extent might militarized groups have constituted polities in their own right? How were they financed and supported, and in what ways did “warrior” identity articulate with prevailing cultural, political, religious, or ideological norms? And, finally, what role did these groups play in driving developments in the world-systems in which they were enmeshed but perhaps not recognized as full-fledged participants?

Participants: Jennifer Birch and Ben Raffield; Ben Raffield; Ted Gragson; Bryan Hanks, Gideon Shelach-Lavi, William Honeychurch, Chunag Amartuvshin and Marc Berman; Darryl Wilkinson; Douglas Bamforth; James Brooks and Catherine Cameron; Ronald Williamson and Jennifer Birch; Thomas Leppard and Sarah Murray

Discussant: Paul Roscoe

Symposium **USING SPACE, MAKING PLACE: LANDSCAPE ARCHAEOLOGIES, PART I**

Time: 9:45 a.m.–12:00 p.m.

Chair: Rocío López

Participants: Frederic Dillingham, Bryan Hockett and Isabelle Guerrero; Rocío López; Natalia Moragas, Maria Torras and Alessandra Pecci; Jim Railey; Charlotte Robinson, Neil Duncan and John Walker; Ronald Towner and Stephen Uzzle; Chantel White, Carlotta Di Lallo, Laura Heale, Sabrina Ross and Nathan Arrington; Cody Dalpra; Yufeng Sun, Yonggang Sun, Petra Vaiglova and Xinyi Liu

Poster Session **VARIED APPROACHES TO CERAMIC ANALYSIS AROUND THE WORLD**

Time: 10:00 a.m.–12:00 p.m.

Participants: Brittany Fullen; Sarah Kerchusky; Lars Boyd; Anna Semon; Harley Biggs, Steven Hackenberger and Karisa Terry; Jill Zuckerman and Tristan O'Donnell; Rudolf Cesaretti; Amanda Dobrov and Kari Schleher; Maren Moffatt, Brian Coddington, Kenneth Blake Vernon and Simon Brewer; Julia Coverdale; Yazmin Martínez Martínez; Emilee Witte, Emily Schach and Donna Nash; James Davenport; Karisa Terry; Caelie Butler, Tammy Buonasera and Shelby Anderson

Poster Session **WHAT'S ON THE MENU? PART I: ISOTOPE ANALYSIS**

Time: 10:00 a.m.–12:00 p.m.

Participants: Valentina Martinoia Zamolo, Mario Novak, Dragana Rajkovic, Goran Tomac and Michael

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Richards; Miranda LaZar, Joshua Reuther, Scott Shirar, Liza Mack and Nicole Misarti; Michael Scott, Adam Boethius, Rebecca Macdonald, Michael Richards and Amy Styring; Alyssa Bolster, Natasha Vang and Tiffany Tung; Marcos de la Rosa-Martinez, Alexandra Greenwald, Deborah Blom and Kelly Knudson; Sen You, Long Wang, John Olsen, Ying Guan and Quanchao Zhang; Madeline Mackie, Briana Doering, Fox Nelson, Molly Herron and Carlton Shield Chief Gover; Nour Khachemoune, Aurora Allshouse, Kristine Richter and Christina Warinner; Megan Savoy; Sabrina Nino, Sophia Stevenson and Beth Scaffidi; Caitlin Conly and Mark Schurr; Damon Tarrant, Laura Yazedjian and Michael Richards; Adrián González Gómez de Agüero, Julia McCuaig, Francesca Fernandini and Paul Szpak; Lucia Diaz, Sarah Baitzel, Arturo Rivera Infante and Xinyi Liu

Poster Session **ARCHITECTURE AND URBAN ARCHAEOLOGY**

Time: 10:00 a.m.–12:00 p.m.

Participants: Juan Sereno-Uribe; Michael Smith; Nadia Waski and Zachary Nason; Sarah Baitzel, Ian Youth, Dan Rosenburg and Arturo Rivera Infante; David Carballo, Daniela Hernandez, Gabriel Vicencio, Edith Dominguez and Santino Rivero; Xóchitl Martínez Martínez; Miguel Angel Galvan Benitez

Poster Session **THE ARCHAEOLOGY OF CONFLICTS AND THEIR AFTERMATH**

Time: 10:00 a.m.–12:00 p.m.

Participants: Larra Diboyan; Jeremy Brunette and Jonathan Stark; Samuel Neunzig; Gabrielle Tornquist; Alyssa Henss; Aubree Gabbard and Emily Sharp; Megan Brown and Bonnie Clark; Katherine Gaddis, Ariel Gruenthal-Rankin, Marissa Ramsier and Arkadiusz Koperkiewicz; Hayden Bassett, Damian Koropecyk, Kate Harrell, William Welsh and Madeleine Gunter-Bassett; Thomas Landvatter and Brandon Olson

Poster Session **ARTS AND CRAFTS: ARTISTIC EXPRESSION, ICONOGRAPHY, AND CRAFT PRODUCTION**

Time: 10:00 a.m.–12:00 p.m.

Participants: James Crandall and Timothy Galowicz; Gregory Haynes, Megan Stueve, David Page and Lisa Cipolla; India Pruette; Claire Chanteraud, Brandi MacDonald, Diego Garate, Hélène Salomon and Iñaki Intxaurbe; Radoslaw Palonka, Boleslaw Zych, Vincent MacMillan, Katarzyna Ciomek and Jakub Sliwa; Xuewei Zhang, Jiaqi Wang and Chunxue Wang; Tia Watkins, Rosamund Fitzmaurice, Christophe Helmke, Jaroslaw Zralka and Jaime Awe; Madison Drew; Liv Winnicki; Yeonju Shin; Gabriela Saldaña, Tia Watkins, Emma Messinger, Rosamund Fitzmaurice and Jaime Awe; Arturo Rivera I. and Sarah Baitzel; Jennifer Singletary and José Peña; Emily Schach and Jane Buikstra; Judyta Bak, Angela Lucia Rojas Bergna and Juan Carlos La Rosa

Sponsored Forum **BACK TO THE FUTURE: THE NATIONAL HISTORIC PRESERVATION ACT AND THE SAA/NPS AIRLIE HOUSE SEMINARS REVISITED, PART II**

(Sponsored by the SAA President)

Time: 10:15 a.m.–12:15 p.m.

Moderator: John Douglass

Abstract: The National Historic Preservation Act of 1966 set the course for archaeology in the United States. The SAA and National Park Service's 1977 *The Management of Archaeological Resources: The Airlie House Report* brought cultural resource management to the forefront and continues to do so. However, as we enter the third decade of the twenty-first century, archaeology is facing new challenges not foreseen in the Airlie House report. In recent years, the profession has changed, guided by technological innovations and social issues such as climate change, environmental justice, the rights of Indigenous and descendant communities, and Traditional Ecological Knowledge. These changes and innovations are

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affecting how archaeology is practiced today. Furthermore, necessary changes to professional training and a projected shortfall in workforce capacity pose additional challenges. We have urgent work to do to ensure that the federal archaeology program and the discipline reflect and are responsive to these changes. This forum seeks to engage in open dialogue on major topics affecting our profession in the coming decades. Information garnered through discussion in this forum will help facilitate a planning summit scheduled for summer 2023 to address these challenges.

Discussants: Dan Sandweiss; John Welch; Karen Brunso; Josh Torres; Kimberly Redman; William White

Forum CONNECTING THROUGH A FRAMEWORK ON THE RIGHTS OF INDIGENOUS PEOPLES

Time: 10:15 a.m.–12:15 p.m.

Moderator: Angela Neller

Abstract: The UN Declaration on the Rights of Indigenous Peoples (UNDRIP) establishes a framework of standards for the survival, dignity, and well-being of Indigenous peoples. This session will demonstrate how the tenets of UNDRIP can be applied in cultural heritage efforts to give primacy of voice to Indigenous communities. Projects create change within institutions to emphasize the rights of Indigenous peoples to maintain and strengthen their own cultures and traditions. Our presenters will contextualize these rights to practice, revitalize, access, use, and protect tangible and non-tangible forms of cultural heritage within their respective organizations and projects. These changes build lasting and meaningful relationships to engage diverse cultures and values. These projects activate the voice of source communities and reconnect those communities to their heritage. The rights of Indigenous peoples will be contextualized within a tribal museum. This model is expanded by our presenters to demonstrate how non-tribal facilities implement programs that prioritize Indigenous voices and values. Our profession can change from within by setting forth tools that enable us to move confidently in the direction of decolonizing and sensitizing practices, enabling connection with descendant communities for more meaningful, relevant, and culturally sensitive documentation and interpretation.

Discussants: Lourdes Henebry-DeLeon; Jacqueline Cook; Amanda Roberts Thompson; RaeLynn Butler; Deana Dartt

Symposium VARIABILITY: A REASSESSMENT OF ITS MEANING, AFFORDED RANGE, AND THE RELATION TO PROCESS

Time: 10:15 a.m.–12:15 p.m.

Chair: Zeljko Rezek

Abstract: Interpretations of emerged variability in the paleo-archaeological record often presuppose a plurality within the underlying process, be that process related to demography, cultural transmission, or a landscape-use behavior. We take by default the differences in, for example, frequencies of the same artifact attributes and faunal elements between sampled locations to represent different social groups and place uses. Calls for attention to the emergence of variability have already been made (e.g., G. Isaac's "random walk patterning"), but the prevailing practice of regarding data as central tendencies themselves is ignoring the likelihood that, in the simplest terms, a single operating process can result in a broad range of variability or, conversely, that the same or limited variability can be the result of a number of different processes. The aim of this session is to reassess the meaning of emerged variability and its relation to a process or to interaction of processes. We will discuss how variability can become "afforded" by various factors forming the record: the properties of the raw material; functional and economic contingencies of tools, actions, and subsistence strategies; parameters of cultural transmission; but also by our own sampling and excavation strategies and accumulative life-histories of places, objects, and materials.

Participants: Jonathan Reeves, Levi Raskin, Matthew Douglass and David Braun; Joao Marreiros, Ivan Calandra, Lisa Schunk, Walter Gneisinger and Eduardo Paixao; Heather Smith; Elena Endarova; Ahmed

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Nassr and Zeljko Rezek; Ismael Sánchez-Morales; Matthew Barrett and Simon Holdaway

Symposium **THE MAYA WALL PAINTINGS OF CHAJUL (GUATEMALA)**

Time: 10:15 a.m.–12:15 p.m.

Chair: Jaroslaw Zralka

Abstract: This panel proposal presents the results of the interdisciplinary research of the murals of Chajul, an Ixil Maya town located in highland Guatemala. Different phases of this project were carried out by the Jagiellonian University in Krakow between 2019 and 2022, and included conservation and scanning of the walls in three adobe houses, archaeological excavation, and pigment analysis, as well as ethnographic and ethnomusicological fieldwork. The paintings in different stages of preservation can be observed in over 10 houses in Chajul; they are also recorded in oral history. They constitute an exquisite example of indigenous art of the Americas, especially that such mural paintings in the colonial setting were typically seen in contexts associated almost exclusively to Catholic sacral architecture. The iconography of the murals reveals interesting details such as human figures in rich attires, musicians, and animals and hunting motifs. These elements direct to interpretations associated with the performance of dance-dramas, religious sodalities activity, ceremonies, and feasts dedicated to the figures of saints. The panel will also present results of recent archaeological excavations associated with colonial houses with murals from Chajul.

Participants: Arkadiusz Maciej and Marcin Blaszczyk; Katarzyna Radnicka-Dominiak; Boleslaw Zych, Dorota Bojkowska and Juan Luis Velásquez; Victor Castillo; Mark Howell and Igor Sarmientos; Igor Sarmientos; Monika Banach and Mark Howell; María Luisa Vázquez de Ágredos Pascual, Cristina Vidal Lorenzo, Patricia Horcajada Campos and Núria Feliú Beltrán

Symposium **PACIFIC MARITIME HISTORY: SHIPS AND SHIPWRECKS**

Time: 10:30 a.m.–12:00 p.m.

Chair: Scott Williams

Abstract: This symposium brings together papers on topics of maritime history, including the shipbuilding traditions of postcontact Hawaii, Pacific Northwest Native maritime technology, and prehistoric shipwrecks and exploration of the Northwest Coast.

Participants: Melissa Darby; Drew Wendeborn; Scott Williams; Christopher Dewey; Nicholas Mead; Peter Mills

Symposium **THE ARCHAEOLOGY OF TROPICAL MONTANE CLOUD FORESTS**

Time: 10:45 a.m.–12:00 p.m.

Chairs: Lauren Pratt; Venicia Slotten

Abstract: The unique ecologies of Tropical Montane Cloud Forests (TMCF) throughout the Americas have impacted the human cultures to which they are home from initial human colonization to the present. Decades of research have contributed to understanding these environments biologically, yet they often remain understudied archaeologically. This organized session aims to bring a comparative approach to the study of TMCFs, exploring how human-environment interactions within various tropical and subtropical cloud forests in Latin America have influenced past human populations and cultures, as well as the development of archaeological practice within these regions. This symposium brings together a number of papers exploring archaeology in tropical cloud forests, including social, political, and economic complexity; identity construction; paleoecology; environmental change; subsistence practices; and resilience. Regional contributions include scholarship from Peru, Ecuador, Costa Rica, Mexico, etc. A comparative perspective on archaeology in such regions can greatly enhance our knowledge about human-environment interactions in Tropical Montane Cloud Forests, including implications for conservation of these fragile ecosystems today.

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Participants: Lauren Pratt; Arlen Mildred Talaverano Sanchez and Daniela Maria Raillard Arias; Estanislao Pazmiño; Ryan Hechler and William Pratt; Venicia Slotten

Symposium **THE SECOND-OLDEST SITES IN THE PACIFIC NORTHWEST**

Time: 11:00 a.m.–12:00 p.m.

Chair: Eva Hulse

Abstract: The oldest archaeological sites in the Pacific Northwest like Paisley Caves and Cooper's Ferry get a lot of well-deserved attention. However, there are slightly younger or less studied sites that are underreported in the scientific literature. When viewed together, these lesser-known sites add important details to our understanding of how people lived in the late Pleistocene and early Holocene. This symposium brings together recent archaeological research from across the Pacific Northwest to build a richer picture of life during the transition out of the Pleistocene.

Participants: Terry Ozburn; Amanda Taylor, Steven Moses, Robert Kopperl and Charlotte Beck; Kenneth Reid; Eva Hulse, Jason Cowan and Kristen Heasley

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Forum **DIALOGUES ON COLLABORATIVE ARCHAEOLOGY IN US NATIONAL PARKS**

Time: 1:00 p.m.–3:00 p.m.

Moderators: Bonnie Clark; Teresa Moyer

Abstract: The US National Park Service's dual mission embraces both the preservation of archaeological resources and the cooperation of partners, making parks prime settings for collaborative archaeology. Parks and soon-to-be parks welcome invested and descendant communities to get involved in archaeological, archival, and oral history projects documenting their stories. The strong relationships resulting from collaborative archaeology enable parks and communities to share the stewardship of archaeological resources in creative and effective ways. For instance, archaeology performed in collaboration with stakeholders builds critical support for heritage sites as they strive for greater recognition, including park status. This forum brings together discussants engaging with communities through archaeology in parks or soon-to-be parks to learn from one another's experiences in the development and running of collaborative projects for the long term. The forum should benefit anyone interested in pursuing or improving collaborative archaeology in the National Park System or other publicly accessible heritage sites.

Discussants: Jeffery Burton; Mary Farrell; April Kamp-Whittaker; Michael Seibert; Shina DuVall; Bonnie Newsom

Forum **ARCHAEOLOGICAL CONGRESS, PART II: THE IMPORTANCE OF BEING EARNEST**

Time: 1:00 p.m.–3:00 p.m.

Moderator: K Pyburn

Abstract: Participants will engage in a frank discussion of the pitfalls of attempting engaged archaeology. This forum is conceived as an addendum to Session 5649 chaired by Claire E. Smith entitled "Archaeological Congress: Multivocal Conversations Furthering the World Archaeological Congress Agenda, Part I." The forum will afford interested parties the opportunity for further discussion.

Discussants: Dru McGill; George Nicholas; Filiberto Penados; Peter Schmidt; Peter Nelson; Stephen Loring; Suzie Thomas; Edward Gonzalez-Tennant; Peter Biehl; Koji Mizoguchi; Michael Wilcox

Poster Session **ROCK HARD SCIENCE: LITHICS ANALYSIS, PART I**

Time: 1:00 p.m.–3:00 p.m.

Participants: Felicia Avendano and Mika Woods; Jaron Davidson, John Carpenter, Guadalupe Sánchez

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and Matthew Pailles; Kyle Freund, Daron Duke, Jennifer DeGraffenried, Nate Nelson and D. Craig Young; Jacob Arnzen; J. Anne Melton, Emily Liu, Jeff Calder and Katrina Yezzi-Woodley; Bailey Goodling, Alicia Fritz, Jingyu Liang and John Murray; Megan Harris; Levi Raskin, Jonathan Reeves, Matthew Douglass and David Braun; Paris Franklin; Cindy Hsin-yee Huang, John Murray, Sydney James, Nicolas Hansen and Jonathan Paige; Bruce Huckell, Nadine Navarro, Christopher Merriman, Joseph Birkmann and Steven Shackley; Jiaqi Wang, Xuewei Zhang, Chunxue Wang and Lishuang Sheng

Poster Session **ROCK HARD SCIENCE: LITHICS ANALYSIS, PART II**

Time: 1:00 p.m.–3:00 p.m.

Participants: Jennifer Cullison; Christopher Noll; Allison Sabo, Daniel Koski-Karell and William Pestle; Sean Stcherbinine; Kristopher Montgomery; Corinne Watts; Garrett Toombs; Maria Isabel Guevara-Duque; Angela Gore; Peter Banke, Christopher Jazwa and Jennifer Perry; Noella Wyatt; Neil Hauser and Teri Hauser

Poster Session **IT'S NOT ALL ANCIENT HISTORY: MUSEUMS RESEARCH AND HISTORICAL ARCHAEOLOGY**

Time: 1:00 p.m.–3:00 p.m.

Participants: Bethany Mathews; Emily Swett; Joanne Gallagher; Fox Nelson, Briana Doering, Megan Reel and Madeline Mackie; Anthony Graesch and Makena Lurie; Bethanny Prascik, Bryan Hill II and Olivia Jones; Tess Kelley; William Whitehead, Curtis Edson and David Prall; Brian McKee, Katherine Cera, Serafin Gomez Luna and Fernando Zuleta; Christopher Donnermeyer, Brittney Cardarella and Bobby Saunters; Charlotte Ives, Colin Quinn, Lacey Carpenter and Hannah Lau; Jordan Cerone and Heather Fusco; Eric Jones, Annabelle Lewis and Gabby Cruz

Poster Session **WHAT'S ON THE MENU? PART II: BOTANICAL ANALYSIS**

Time: 1:00 p.m.–3:00 p.m.

Participants: Trevor Duarte and Jon Tulchin; Trevor Lamb; Amethyst Owen; Jacob Haffner, Keith Pruffer, Hannah Mattson, Cecil Lewis and Colleagues et al.; David Rhode; Anna Chitwood and Dana Bardolph; Kathryn Kemp; Taryn Johnson, Bryan Hockett and Anna Linderholm; Kimberly Batres, Neil Duncan, Lana Williams, Brigitte Kovacevich and Michael Callaghan; Cinthia Campos; Geoffrey Hedges-Knyrim; R. J. Sinensky and Alan Farahani; Jennie Deo Shaw and Joyce LeCompte

Poster Session **MIGRATION, MOVEMENT, AND TRADE NETWORKS**

Time: 1:00 p.m.–3:00 p.m.

Participants: Jess Beck, Horia Ciugudean, Colin Quinn and Claes Uhnér; Abigail Peeples; Sara Polk, Jeremy Wilson and Broxton Bird; Emily Jonsson and Caitlin Stewart; Briggs Buchanan and Mark Collard; Ian Roa, Ashley Sharpe, Claire Ebert and Julie Hoggarth; Monica Warner and Nicholas Herrmann; Holli McDonald, Lacy Hazelwood and Meradeth Snow; Hannah Pytleski, Eileen Murphy and J. Marla Toyne; Laura Bossio; Fiona Haverland and Scott Van Keuren; Steven Rospopo, Linda Wheelbarger and Nicholas Jew; Micah Smith, Tim Gibbs and Tim Roberts

Symposium **USING SPACE, MAKING PLACE: LANDSCAPE ARCHAEOLOGIES, PART II**

Time: 1:00 p.m.–3:00 p.m.

Chair: Charles Andrews

Participants: Peter Siegel, Emlen Meyers and John Jones; Charlotte Goudge; Kara Jones; Lucas Bond Reis, Thiago Umberto Pereira, Lucas Bueno, Julia Reis Cordeiro and Simon-Pierre Gilson; Charles Andrews; Bailey Raab and Dana Bardolph; Chiamaka Mangut; Daniel Hampson

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Symposium **RECENT RESEARCH ON THE PALEOLITHIC IN THE MEDITERRANEAN REGION**

Time: 1:00 p.m.–3:15 p.m.

Chairs: Rory Becker; Ivor Karavanic

Abstract: Recent decades have seen a rise in research into Paleolithic sites and samples in the Mediterranean region. Yet there remain many unknowns. Climatic fluctuations and related changes in the sea level during the Pleistocene affected this region even more than most inland sites. The resulting changes in floral and faunal communities created additional pressures on hunter-gatherers, causing dynamic patterns of human adaptation and behavior. The aim of this symposium is to provide an update on recent research on the Paleolithic in various regions of the Mediterranean, thus enabling a better insight into behavioral patterns of Pleistocene groups in their temporal and geographic distribution, including hunting strategies, mobility patterns, contact zones, and site use.

Participants: Marko Banda; Rory Becker, Ivor Jankovic, Darko Komšo, Siniša Radovic and James Ahern; Ivor Jankovic, Darko Komšo, Siniša Radovic, James Ahern and Rory Becker; James Ahern, Ivor Jankovic, Darko Komšo, Siniša Radovic and Rory Becker; Ivor Karavanic; Joana Belmiro, Jovan Galfi, Nuno Bicho, Xavier Terradas and João Cascalheira; Milena Carvalho, M. Grace Ellis, Michael Benedetti and Jonathan Haws; Geoffrey Clark and Michael Neeley

Discussant: Fred Smith

Symposium **ISOTOPIC AND ANIMAL ADNA ANALYSES IN THE SOUTHWEST/NORTHWEST**

Time: 1:00 p.m.–3:30 p.m.

Chair: Patrick Lyons

Abstract: There is a long history of applying “hard science” techniques to the archaeology of the Southwest/Northwest, with transformational results. Dendrochronology, radiocarbon dating, archaeomagnetic dating, and a variety of methods of provenance analysis used to address ceramics and stone artifacts have refined the chronologies of our models of past processes and illuminated ancient networks. Recently, studies focused on stable isotope data derived from animal bones and shells, as well as trees used as construction timbers, have revealed complementary and sometimes unexpected patterns at local, regional, and interregional scales. Research on DNA recovered from archaeological fauna has also yielded critical insights. Data resulting from work with the remains of many animals (including turkeys, macaws, dogs, bighorn sheep, deer, marine mollusks, and cattle) and plants (including trees, shrubs, and corn) have been used to model ancient migrations (using animals as proxies for humans), document and better understand domestication, demonstrate relationships among different ancient groups, explore livestock management practices, define procurement areas, and trace changes in resource use associated with the Entrada. This group of papers consists of case studies intended to provide a glimpse of the state-of-the-art in terms of applying these techniques to key research questions in Southwest/Northwest archaeology.

Participants: Cyler Conrad, Jonathan Dombrosky, Abigail Judkins, Jacqueline Kocer and Emily Lena Jones; Karen Schollmeyer, Jeffery Ferguson, Jacques Burlot, Joan Brenner Coltrain and Virginie Renson; Amanda Semanko, Martin Welker and Frank Ramos; Sean Dolan, Christopher Schwartz and Patricia Gilman; Richard George, Christopher Schwartz, Stephen Plog, Patricia Gilman and Douglas Kennett; Nicole Mathwich; Andrew Krug, Matthew Pales, John Carpenter and Guadalupe Sánchez; Nicholas Kessler, Dakota Larrick, Christopher Baisan, Jeffery Dean and Ronald Towner

Discussants: Emily Lena Jones; Brian Kemp

Symposium **ONE IF BY LAND, TWO IF BY SEA: UNDERWATER, ISLAND, AND SHORELINE ARCHAEOLOGIES, PART I**

Time: 1:00 p.m.–3:30 p.m.

Chair: Matt O’Mansky

Participants: Dennis Griffin; John Peterson, James Bayman, Andrea Jalandoni, Maria Kottermair and Ashley

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Meredith; Rachel Cajigas, Elliot Blair and Matthew Sanger; Donald Holly, Christopher Wolff and Amanda Samuels; Matthew Schneider; Marco Meniketti; Reno Nims; Kathryn Grossman and Tate Paulette; Matt O'Mansky, David Parker, Ronald Madeline, Caleb Self and Samuel Witham; Matthew Newton

Symposium **ARCHAEOLOGIES OF SEEING, HEARING, EXPERIENCING**

Time: 1:00 p.m.–3:45 p.m.

Chair: Marc Levine

Participants: Kristy Primeau; Sam Challis and Andrew Skinner; Russell Greaves and Karen Kramer; Jenny Ni; Katherine Peterson; Danny Zborover and Alex Badillo; Jessica Weinmeister; Mario Millones; Zach Chase; Mark Collard, Jonathan Harding and Dennis Sandgathe; Marc Levine and Alex Badillo

Sponsored Symposium **MULTISPECIES FRAMEWORKS IN ARCHAEOLOGICAL INTERPRETATION: HUMAN-NONHUMAN INTERACTIONS IN THE PAST, PART II**

(Sponsored by the American Anthropological Association (AAA) Archaeological Division)

Time: 1:00 p.m.–4:00 p.m.

Chair: Aleksa Alaica

Abstract: Archaeologists have long espoused interpretive approaches that illuminate the agency of human actors in the past. This session aims to deconstruct the centrality of humans within our narratives by considering the ways that other-than-human beings were integral in shaping practice and ideology across the world. Multispecies archaeology has recently become an important way of reorienting approaches to subsistence practices, herding lifeways, landscape transformations, settlement histories, and interregional interaction. By examining the interactions and entanglements of different, possibly multiple species that form parts of foodways, modes of transportation, and ways of being on a landscape, we will explore how diverse species that may have held distinct value for past societies impacted and transformed daily and long-term activities. Multispecies frameworks contend that the primacy of human agency obscures heterarchical relationships within ecologies and the world at large. Participants in this session are encouraged to consider plants, animals, and other beings including the broader environment as agentive forces that constrained, afforded, and shaped human lifeways and beliefs. Theoretical and methodological perspectives may include posthumanism, osteobiography, kincentric ecologies, ethnography, paleoethnobotany, zooarchaeology, landscapes, and biomolecular approaches, among many others.

Participants: Christopher Schwartz; Lindi Masur; Amanda Logan; John Marston; Nawa Sugiyama; S. Margaret Spivey-Faulkner; Jiajing Wang and Laura Ng; Nora Rodríguez-Zariñán

Discussants: Aleksa Alaica; Akshay Sarathi; Christine Hastorf

Symposium **THE ROLE OF WOMEN IN MESOAMERICAN RITUAL**

Time: 1:00 p.m.–4:00 p.m.

Chairs: Cameron McNeil; Jacob Welch

Abstract: Ritual practice is a multisensory experience that calls on higher powers, spirits, or ancestors to intercede favorably in the lives of the practitioner. Ritual reverberates through all facets of life in Mesoamerica, a region with a rich record of ethnographic, historic, and archaeological data detailing the diversity of rituals embodied in daily religious practice. Yet like so many other facets of research in Mesoamerica, men receive the attention of investigators who resultantly place women in subsidiary roles or omit them from narratives all together. This session compiles evidentiary support that validates the vital role women played in ancestral and contemporary Mesoamerican rituals. Presenters discuss the religious practices women performed at home and in extravagant tombs, family shrines, sweat baths, and present-day cofradia houses. The women figured as the protagonists of these papers span from royal women to agrarian mothers and employ varied ritual toolkits encompassing brooms, figurines, spindle

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whorls, metates, textiles, sculpture, water, and flowers. Without a greater understanding of women-led or women-focused rituals, researchers will continue to distort essential aspects of Mesoamerican religious life.

Participants: Carolyn Tate; Jacob Welch; Claudia Garcia-Des Lauriers; Maria Elena Vega-Villalobos, Ana Garcia Barrios and Alejandra Martinez de Velasco; Alejandro Garay Herrera; Cameron McNeil, Edy Barrios, Mauricio Díaz García, Agapito Carballo and Samuel Pinto; Charles Cheek; Aj Xol Ch'ok Hector Rolando and Mauricio Díaz García; Frauke Sachse; Allen Christenson

Discussant: Traci Ardren

Symposium **NORTHEAST ASIAN PREHISTORIC HUNTER-GATHER LIFEWAYS: MULTIDISCIPLINARY, INDIVIDUAL LIFE HISTORY APPROACH**

Time: 1:00 p.m.–4:00 p.m.

Chairs: Corrie Hyland; Karolina Werens

Abstract: This symposium will feature the research of the Baikal Archaeology Project (BAP), an international and multidisciplinary team of scholars investigating Middle Holocene hunter-gatherer culture dynamics. The BAP is rooted in the bioarchaeology of individual life histories approach and provides a unique theoretical perspective and rich empirical data to address the dynamism, variability, and resilience of prehistoric Holocene hunter-gatherers. The BAP focuses on an intensive comparative analysis of two long-term regional trajectories of Holocene hunter-gather culture change (ca. 9,000–3,000 years ago): the Lake Baikal region (Siberia) and Karelia (northeast Europe). The international team of BAP scholars possesses a range of expertise in archaeology, osteology, bioarchaeology, chronology, genetics, paleoenvironmental studies, spatial analysis of multiple isotopic proxies, and ethnography, to comprehensively examine multiple aspects of hunter-gatherer population level and individual life histories. The insights from these synthesized results and ongoing research will promote a greater appreciation for the dynamic pattern of hunter-gatherer cultural variability, both spatially and temporally.

Participants: Andrzej Weber and Olga Goriunova; Corrie Hyland, Rick Schulting, Amy Styring and Andrzej Weber; Ian Scharlotta; Jennifer Laughton; Karolina Werens, Rick Schulting, John Pouncett, Andrzej Weber and Christophe Snoeck; Rick Schulting, Lucy Koster, Andrea Czermak, Gunita Zarina and Ilga Zagorska; Angela Lieverse, Rick Schulting, Vladimir Bazaliiskii, Artur Kharinskii and Andrzej Weber; Ruairidh Macleod, Rick Schulting, Angela Lieverse, Andrzej Weber and Eske Willerslev; Yucheng Wang, Bianca De Sanctis, Ruairidh Macleod, Pavel Tarasov and Eske Willerslev

Discussants: Andrzej Weber; Robert Bettinger

Symposium **UNSETTLING INFRASTRUCTURE: THEORIZING INFRASTRUCTURE AND BIO-POLITICAL ECOLOGIES IN A MORE-THAN-HUMAN WORLD**

Time: 1:00 p.m.–4:15 p.m.

Chairs: Zev Cossin; Amanda Butler

Abstract: Following recent work like that of Tsing et al. (2021), this session explores “infrastructures” as assemblages of humans, more-than-human entities, and broader ecologies. Infrastructures sometimes produce broad systems of inequality and segregation, routes of connection and community, and/or leave various forms of devastation and ruination in their wake. We welcome contributions broadly relating to the impacts and consequences of diverse forms of infrastructure through time and across the globe, including railroads, highways and roads, shipping routes, mines and sites of extraction, animal herding, pipelines, boom towns, plantation and post-plantation landscapes, and the bio-political consequences of state infrastructural divestment, etc. Drawing on diverse theoretical contributions, this session attempts a deeper archaeological theorization of infrastructures and related ecologies. How do environments and other-than-human actors impact infrastructural projects and vice versa? What sorts of methodologies and questions can archaeologists bring to this topic? What are the sociopolitical implications and possibilities of our work in exposing these processes?

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Participants: Jeannie Larmon; Amanda Butler; Paul Sando; Michael Betsinger; Samuel Connell, Chad Gifford and Daniel Cearley; Zev Cossin; Scotti Norman; Daniela Balanzategui, Barbarita Lara and Genesis Delgado; Jorge Flores; Fernando Astudillo and Paúl Rosero; Justin Mohammadi, Stefan Woehlke and Olivia Meoni; Matthew Palus

Discussant: Daniel Sayers

Sponsored Symposium **2023 FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF TIMOTHY BEACH, PART II**

(Sponsored by the Fryxell Award Committee and the Geoarchaeology Specialty Group)

Time: 1:00 p.m.–4:15 p.m.

Chair: Will Pratt

Abstract: The 2023 Fryxell Award for Earth Sciences scholarship is awarded to Dr. Timothy P. Beach, Professor and C. B. Smith Sr. Centennial Chair in the Department of Geography and the Environment at the University of Texas at Austin. The 2023 Fryxell Award is presented in the Earth Sciences category due to the generous support of the family of the late, great, geologist Roald Fryxell, who built his career on the interdisciplinary importance of the geological sciences in archaeology. This symposium, organized as part of the award, brings together a group of scholars working in diverse regions and fields, but all with a common goal of advancing archaeology through a rigorous earth science focus. Here we celebrate Tim Beach's distinguished and ongoing research career. Tim Beach is an accomplished geoarchaeologist and his research focuses on the reconstruction of past land-use patterns, agriculture, and human-environmental interaction over many temporal scales using many methods. He has worked most recently on using innovative geoarchaeological techniques in the Maya Lowlands, but Tim's talent is not contained to one region or method. To compliment and honor Tim's ongoing work, we showcase advances in our shared discipline related to geoarchaeology, soils, geochemistry, and remote sensing science.

Participants: Samantha Krause, Tripti Bhattacharya, Sheryl Luzzadder-Beach and Timothy Beach; Rolfe Mandel; Arlene Rosen, Jennifer Farquhar and Tserendagva Yadmaa; Leila Character, Timothy Beach, Takeshi Inomata, Thomas Garrison and Sheryl Luzzadder-Beach; Lara Sánchez-Morales and Timothy Beach; Byron Smith, Lara Sanchez-Morales, Samantha Krause, Timothy Beach and Sheryl Luzzadder-Beach; Will Pratt, David Brown, Steve Athens and Ryan Hechler; Sara Eshleman, Juan Carlos Fernandez Diaz and Ben Snider; Jonathan Flood, Timothy Beach, Sheryl Luzzadder-Beach and Alex Walthall; Colin Doyle, Timothy Beach and Sheryl Luzzadder-Beach; Mark Brenner; Carlos Cordova, Guillermo Acosta-Ochoa, Luis Morett-Alatorre, Kurt Wogau and Tamara Cruz y Cruz

Discussant: Gregory Knapp

Symposium **THE MOVEMENT OF PEOPLE AND IDEAS IN EASTERN MESOAMERICA DURING THE NINTH AND TENTH CENTURIES CE: A MULTIDISCIPLINARY APPROACH, PART II**

Time: 1:00 p.m.–4:30 p.m.

Chair: Simon Martin

Abstract: For two centuries after the close of the Classic period we know that profound cultural changes swept across eastern Mesoamerica. What has been harder to ascertain are the vectors of transmission, and the relative importance of migration, commerce, proselytization, and military adventurism in the processes that brought new ideas to the region. This symposium takes a multidisciplinary approach that brings together archaeologists, bioarchaeologists, paleo-geneticists, iconographers, and epigraphers in pursuit of a more holistic understanding of the problem. Gravitating away from familiar but overly fixed dichotomies of ethnic identity, we look for overlaps between research hubs that cover the Gulf Coast, Northern Yucatán, the Central Petén, Belize, and the Pacific highlands reaching down to El Salvador and beyond. Bolstered by new methodologies and pan-regional data surveys, body-anchored approximations will be confronted with data from architecture, artworks,

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and artifacts. We hereby hope to revitalize discussion about the dynamics of collapse for Classic Maya kingdoms and highlight the various ways in which biological and cultural contacts evolved and many societies prospered after 800 CE, countering the assumptions of hermetically sealed communities in which new cultural concepts float through the ether, rather than being in heads and hands of people on the move.

Participants: Claudia Brittenham; Virginia Miller; Allan Ortega and Vera Tiesler; Hemmamuthé Goudiaby and Jaqueline García Basto; Raúl López and Gloria Hernández; Chloé Andrieu and Charlotte Arnaud; Jakob Sedig, Esther Brielle, Roslyn Curry, David Reich and Vera Tiesler; William Fowler; Vera Tiesler; Nelda Issa Marengo Camacho, Judith Ruiz González and Carlos Serrano Sánchez

Discussants: Christopher Beekman; Andrew Scherer; Mary Miller

Symposium **PLEISTOCENE LANDSCAPES AND HOMININ BEHAVIOR IN THE ARMENIAN HIGHLANDS**

Time: 1:00 p.m.–4:30 p.m.

Chairs: Jayson Gill; Tanner Kovach

Abstract: The Armenian Highlands is a significant location for our interpretations of hominin dispersals and behavioral diversity, not least because of its position between the Levant and Eurasia. Prior to the late twentieth century, our understanding of Pleistocene archaeology in this region was hindered by a research emphasis on later periods, few stratified sites, and a dearth of chronometric dating. However, over the last 30 years there has been remarkable growth in the number and quality of international collaborative programs that have greatly expanded our geological and archaeological understanding of the region. In this symposium, discussions will explore new and ongoing investigations related to Pleistocene landscape formation, paleoenvironments, geochronology, and hominin behavior. This interdisciplinary research incorporates data and views from international teams with wide-ranging interests and specialties. With talks spanning the entire Pleistocene, this session has value for scholars in neighboring regions seeking to understand Lower, Middle, and Upper Paleolithic interregional dynamics.

Participants: Yannick Raczynski-Henk; Jenni Sherriff, Boris Gasparyan, Katie Preece, Mark Sier and Keith Wilkinson; Daniel Adler, Keith Wilkinson, Jennifer Sherriff, Mark Sier and Boris Gasparyan; Hayk Haydosian, Artur Petrosyan, Dimitri Arakelyan, Philip Glauberman and Boris Gasparyan; Boris Gasparyan, Keith Wilkinson, Ellery Frahm, Jennifer Sherriff and Daniel Adler; Phil Glauberman and Boris Gasparyan; Jayson Gill, Daniel Adler, Jennifer Sherriff, Keith Wilkinson and Hayk Haydosyan; Tanner Kovach, Yannick Raczynski-Henk, Ellery Frahm, Artur Petrosyan and Daniel Adler; Andrew Kandel, Boris Gasparyan, Angela Bruch, Anneke ter Schure and Sanne Boessenkool; Sebastien Joannin and Amy Cromartie; Johan Jarl and Angela Bruch

Discussants: Charles Egeland; Nicholas Conard

Symposium **ANDEAN AND AMAZONIAN CERAMICS: ADVANCES IN TECHNOLOGICAL STUDIES**

Time: 1:00 p.m.–4:30 p.m.

Chairs: Alicia Espinosa; Isabelle Druc

Abstract: In the Andean and Amazonian regions, ceramic studies play a prominent role in the definition of ancient societies and their relationships, although a large part of this research was mainly focused on typological studies to build the current chronocultural sequences. Nonetheless, over the last decades ceramic technological studies have become more and more significant and now encompass a wide range of approaches such as archaeometric analyses to determine the composition of pastes and pigments, and the provenance of the materials; experimental research and ethnoarchaeological studies to create comparative frames of reference; or works based on the study of the macroscopic and microscopic traces of manufacture to define the methods and techniques of shaping. But what these analyses have in common is their attempt to switch from a more traditional morphostylistic description of pottery to an understanding of the identity of potters and the social, economic, cultural, and political contexts in which they were involved. This session brings together experts in Andean and Amazonian ceramic

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technology to discuss research and recent advances in this field and account for the diversity of theoretical and methodological approaches and the sociocultural issues that can be addressed from these studies.

Participants: Isabelle Druc; Francisco Pugliese, Thiago Kater, Marcony Alves, Kelly Brandão and Eduardo Neves; Thiago Kater, Silvana Zuse, Fernando Ozorio de Almeida, Richard Burger and Eduardo Góes Neves; Marcony Alves; Natalia Lozada Mendieta; Tamara Bray and Catherine Lara; Gabriel Prieto; Alicia Espinosa; Carla Jaimes Betancourt; Ester Echenique and Florencia Avila; Andrea Martínez-Carrasco, Patrick Quinn, Bill Silla and Silvia Amicone; Mauricio Uribe, Camila Riera-Soto, Javiera Gajardo and Mariela Torres

Discussants: Brenda Bowser; Maria Masucci

Symposium **MUTUALLY BENEFICIAL: TECHNOLOGIES IN ARCHAEOLOGICAL APPLICATION AND ARCHAEOLOGIES IN TECHNOLOGICAL APPLICATION, PART I**

Time: 1:00 p.m.–4:30 p.m.

Chair: Mario Borrero

Participants: Luke Stroth; Sara Zaia; Mario Borrero; Ruth Musser-Lopez; Hannah Vizcarra, Amanda Zetz, Marisol Cortes-Rincon, Raylene Borrego and Kristen Harrison; Stefanie Wai and Christopher Wai; Jesse Casana, Madeleine McLeester, Nathaniel Kitchel, Jonathan Alperstein and Carolin Ferwerda; J. Christopher Gillam, Nicolas Zwyns, Masami Izuho, Byambaa Gunchinsuren and Brent Woodfill; James Zimmer-Dauphinee, Steven Wernke, Parker VanValkenburgh and Grecia Roque; Charles Rainville; Justin Walsh, Alice Gorman, Shawn Graham and Chantal Brousseau; Corey Hoover; Gregory Burns; Daniela Klokler, Bruno Silva and Beatriz Trindade

Symposium **DEDICATION, COLLABORATION, AND VISION, PART II: PAPERS IN HONOR OF TOM D. DILLEHAY**

Time: 1:00 p.m.–4:45 p.m.

Chair: Rebecca Bria

Abstract: This symposium celebrates the career of Tom D. Dillehay and his impactful contributions to interdisciplinary anthropology and South American archaeology. From meticulously researched archaeological studies that transformed our understanding of early humans in the Americas to interdisciplinary historical investigations of colonialism and commitment to ethical ethnographic research among modern Indigenous communities, Tom's career is a trailblazing example of an anthropological archaeologist. His broad research addresses issues of settlement, migration, interaction, identity, environmental transformation, agriculture, and development of complex societies in the Indigenous Americas, including in South America, the USA, and Mexico. Moreover, Tom has held professional appointments in 19 institutions across Latin America, where he has not only taught generations of archaeology students but also founded three departments of anthropology. In this two-part session, Tom's former students and mentees (Part 1) and colleagues and collaborators (Part 2) discuss the influence of his extraordinary career on their scholarship or the discipline at large, as well as showcase regionally and thematically diverse papers that honor his career. All presentations connect to Tom's tireless and ongoing pursuit of understanding how pre-complex and complex societies emerged, what propels social change, and how archaeology contributes key anthropological insights vis-à-vis interdisciplinary, collaborative, and theoretically grounded research.

Participants: Calogero Santoro, Paula Ugalde, Daniela Osorio and Katherine Herrera; Gustavo Politis; Silvia Gonzalez and Samuel Rennie; Dolores Piperno; Augusto Oyuela-Caycedo; Carla Hernández Garavito and Peter Kaulicke; Patricia Netherly; Ramiro Matos, Jose Alejandro Beltran-Caballero and Ricardo Mar

Discussants: Rebecca Bria; J. M. Adovasio; Alan Kolata; Kenneth Hirth; Norman Yoffee; Tom Dillehay

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Symposium **ESSENTIAL CONTRIBUTIONS FROM AFRICAN TO GLOBAL ARCHAEOLOGY**

Time: 1:00 p.m.–4:45 p.m.

Chairs: Stephen Dueppen; Akin Ogundiran; Willeke Wendrich

Abstract: Archaeology throughout the African continent in the last few decades has provided important insights into questions that are relevant to archaeology worldwide. Yet, these new theoretical perspectives and datasets have not been widely incorporated into scholarship elsewhere in the world, perhaps a latent effect of lingering colonialist perspectives, and consequently have not played prominently in global archaeological debates. This session aims to correct this situation by highlighting the ways that Africanist scholarship pushes forward debates on a variety of important topics, including but not limited to Indigenous archaeologies, domestication of plants and animals, egalitarianism and inequality, the practice of archaeology, complexity and urbanism, site formation processes, histories of technology, religion, and political process. It will bring together scholars working in Africa with those working elsewhere to explore thematic and theoretical connections and identify new directions that emerge from these dialogues.

Participants: Willeke Wendrich; Akin Ogundiran; Barbara Mills, Sarah Herr and Matthew Peeples; Olanrewaju Lasisi; Zoë Crossland; Lisa Lucero; Stephen Dueppen; Abidemi Babalola; Victoria Olajide; Helina Woldekiros and A. Catherine D'Andrea; Peter Schmidt; Justin Jennings

Discussants: Lane Fargher; Kristina Douglass

Symposium **FUTURE DIRECTIONS FOR ARCHAEOLOGY AND HERITAGE RESEARCH IN THE WILLAMETTE VALLEY, OREGON**

Time: 1:00 p.m.–5:00 p.m.

Chairs: Shelby Anderson; Molly Casperson; Jaime Kennedy

Abstract: The Willamette Valley of western Oregon is a unique geographic region shaped by millennia of Native American land management practices, including the use of fire to enhance and sustain the Valley's prairie habitats and oak savannas. Historic and current industrial, agricultural, and urban development have further altered the landscape; these changes also drive a significant volume of cultural resource management activity in the Willamette Valley. Despite this, the region is rarely a focal point for archaeological research. This session aims to bring together a broad group of researchers, cultural resource management practitioners, and Tribal experts working in the region to share current work, identify knowledge gaps, and to discuss future directions for research focused on the Willamette Valley.

Participants: Molly Casperson; Mackenzie Keith, Maxwell Schwid, Laurel Stratton Garvin, Molly Casperson and Rose Wallick; JD Lancaster, Teresa Wriston, Molly Casperson, Loren Davis and Jillian Maloney; Briece Edwards, Greg Archuleta, Chris Rempel and Cheryl Pouley; James Fuddy, Jillian Maloney, Molly Casperson, Teresa Wriston and Shannon Klotsko; Tia Cody and Shelby Anderson; Bob Reinhardt; David Lewis; Michael Coughlan, Kelly Derr, James Johnston, David Lewis and Bart Johnson; Michael Lewis and Yoli Ngandali; Yoli Ngandali and Michael Lewis; Paul Baxter; Andrew Boehm, Chris Widga and Daniel Gilmour

Discussants: Tom Connolly; David Lewis; Virginia Butler

Symposium **NOT-SO-ODD BEDFELLOWS: CLIMATE CHANGE AND ARCHAEOLOGY**

Time: 2:30 p.m.–5:00 p.m.

Chair: Peri Johnson

Participants: Kelsey Pennanen, Peter Dawson and Christian Thomas; R.G. Matson; Christine Halling, Ryan Seidemann and Frank Willis; Peri Johnson and Ömür Harmansah; Adrian Espinosa-Valdor; Matthew Howland; Jeremy McFarland; Youri Van Den Hurk, Sean Desjardins, Emily Ruiz Puerta, Anne Karin Hufthammer and James Barrett; Elizabeth Scharf; Benjamin Vining, Daniel Cont and Augusto Bazan

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Symposium **IN FLUX: SETTLEMENT PATTERN STUDIES IN ARCHAEOLOGY, PART I**

Time: 3:15 p.m.–5:00 p.m.

Chair: Anthony Krus

Participants: Daniel Busch and Nicolas Angeloff; Xanti Ceballos Pesina; Anthony Krus, Edmond Boudreaux III, Charles Cobb and Brad Lieb; Jean-Baptiste Le Moine, Christina Halperin, Jose Luis Garrido Lopez and Ryan Mongelluzzo; Erica Bradley, Geoffrey Smith and Kenneth Nussear; Dominic Pollard; G. Van Kollias

Symposium **TRACKING POPULATIONS, RESOURCES, AND KNOWLEDGE ACROSS SPACE AND TIME, PART I**

Time: 3:15 p.m.–5:00 p.m.

Chair: John Murray

Participants: Peng Peng; John Murray, Jacob Harris, Andrew Zipkin, Nicolas Hansen and Bailey Goodling; Vaclav Hrnčir; Ernesto Arredondo and Arthur Demarest; Alejandro Rey De Castro and Augusto Oyuela-Caycedo; Damon Mullen, Karl Reinhard, Alvaro Montenegro and John Hawdon; Carl Wendt and Kenneth Peters

Symposium **EDUCATION, ETHICS, AND ENDLESS SHELVES: STUDIES IN ARCHAEOLOGICAL COLLECTIONS, CURATION, AND MUSEUMS, PART I**

Time: 3:15 p.m.–5:00 p.m.

Chair: Kathryn MacFarland

Participants: Tiziana Gallo and Craig Cipolla; Ian Taylor; Kathryn MacFarland and Katherine Dungan; Gelenia Trinidad-Rivera; Adrienne Lazazzera and Matthew Nowakowski; Mario Martínez Lara; Jamie Ross and Catherine Jalbert

Symposium **ARCHAEOLOGICAL STUDIES OF HUMAN-ENVIRONMENT RELATIONSHIPS, PART I**

Time: 3:30 p.m.–5:00 p.m.

Chair: Ian Beggen

Participants: Alexandria Mitchem; Sean Hixon, Alejandra Domic, Kristina Douglass, Patrick Roberts and Douglas Kennett; Ian Beggen; Yiyi Tang, John Marston and Xiangming Fang; James Daniels, Hector Neff and Heather Thakar; Glenn Farris

Symposium **POPULATIONS OF EARLY MEDIEVAL CHINA: DEVELOPING ANTHROPOLOGICAL APPROACHES TO HISTORICAL ARCHAEOLOGY IN CHINA**

Time: 3:45 p.m.–5:00 p.m.

Chair: Francesca Monteith

Abstract: The archaeology of China has been both helped and hindered by the presence of historical records that stretch back in an “unbroken” continuity of scholarship for over 2,000 years. This means that Chinese archaeology in the historical period has a strong tendency to exist within the strictures of recorded history. The papers in this session use techniques such as archaeobotany, zooarchaeology, urban archaeology, and landscape archaeology to study the traces of the vast majority of the population of historical China who are absent from the official recorded histories.

Participants: Liya Tang, Hui Zhou and Zhiyou Wang; Marcella Festa; Francesca Monteith, Chun Yu and Gaomin Qin; Yusheng Li; Chun Yu

Poster Session **DIGITAL ARCHAEOLOGY IN 3D: PHOTOGRAMMETRY AND OTHER 3D MODELING TECHNIQUES**

Time: 4:00 p.m.–6:00 p.m.

Participants: John High and Jesse Casana; Patrick Mullins, Brendon Murray, William Feltz, Matthew Ballance and Brian Billman; Justin Garnett; Rosa María Varillas; Esteban Rangel and Susan Kuzminsky; Michael Graves, Katherine Peck, Jesse Casana, Carolin Ferwerda and Jonathan Alperstein; Ted Parsons; Sara Borsodi, Lydia Luncz, David Braun and Jonathan Reeves; Donald Gaylord; Jessica Ratcliffe; Dustin Hawks, Briece Edwards, Jeremy Johnson and Michael Lewis; Leszek Pawlowicz

Poster Session **NO NOT TINDER: DATING METHODS AND CHRONOLOGICAL MODELING**

Time: 4:00 p.m.–6:00 p.m.

Participants: Isaac Hart, Andrea Brunelle, Jennifer DeGraffenried, Daron Duke and D. Craig Young; Brett Parbus and Victor Thompson; Emily Milton, Sarah Meinekat, Katherine Moore and Kurt Rademaker; Paul Gerard, Mark Tveskov and Scott Fitzpatrick; Carla Hadden and Katharine Napora; Estevan Ramirez and Jaime Awe; Emma Messenger, Gabriela Saldaña, Jorge Can, Natalie Bankuti-Summers and Jaime Awe; Jacob Holland-Lulewicz, Raelynn Butler, Turner Hunt, Amanda Roberts Thompson and Victor Thompson; Dakota Larrick, Chris Baisan, Charlotte Pearson and Hugo García Ferrusca; Kelli Wathen, Alex Morrison and Michelle Wienhold; Gavin Wisner and Tucker Austin

Poster Session **TO THE RESCUE ARCHAEOLOGY: CRM AND HERITAGE MANAGEMENT**

Time: 4:00 p.m.–6:00 p.m.

Participants: Mary Burdette; Ali Livesay; Jocelyn Palombo; Courtney Besaw; Pamela Pascali, Kirsten Green Mink and Jaime Awe; Summer Peltzer, Kaley Kelly, Ryan Arp and Christopher Schwartz; Leobardo Pacheco Arias; Jay Franklin, Lauren Franklin, Brian McKee, Andrew Lack and Mitchell Keur; Emma Holm; Cheryl Pouley, Michael Lewis, Chris Bailey, Briece Edwards and Greg Archuleta; Robert Sattler; Joseph Haefner, Steven Sarich and Benjamin Johnson; Phillip Daily and Virginia Butler; William Welsh and Hayden Bassett

Poster Session **GIS AND SPATIAL ANALYSIS, PART II**

Time: 4:00 p.m.–6:00 p.m.

Participants: Sophia Marques; Austin Schraub, Esequiel Ortiz, Amy Thompson, Manda Adam and Fred Valdez Jr.; Hannah Lipps and Erik Otarola-Castillo; Lauren Kohut; Matt Peeples, Robert Bischoff and Daniel Hruschka; Hannah Haynes and J. Marla Toyne; Erin Thornton, Daniel Thornton, Lucy Perera and Jacklyn Rumberger; Esequiel Ortiz, Austin Schraub and Manda Adam; Dean Blumenfeld

Poster Session **FRIENDS NOT FOOD: HUMAN AND ANIMAL INTERACTIONS BEYOND HUMAN DIET, PART I**

Time: 4:00 p.m.–6:00 p.m.

Participants: Blake Georgouses; Hailin Liu, Xin Yu and Chunxue Wang; McKenna Waite and Suzanne Pilaar Birch; Kimberly Sheets; Ruoyu Zhu, Sarah Kennedy, Arturo Rivera and Sarah Baitzel; Michelle LeFebvre, Virginia Harvey, Susan deFrance, Christina Giovas and Michael Buckley; Milena Guzman Garcia, Sintia Santisteban, Michelle Watanave and Aldo Watanave; Marcela Demyan, Carey Garland, Brett Parbus and Victor Thompson; Victoria Greening, Ludovic Slimack, Jason Lewis and Svenya Drees; Patrick Lubinski, Karisa Terry, James Feathers, Karl Lillquist and Patrick McCutcheon; Ibis Mery

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Poster Session **FRIENDS NOT FOOD: HUMAN AND ANIMAL INTERACTIONS BEYOND HUMAN DIET, PART II**

Time: 4:00 p.m.–6:00 p.m.

Participants: Sebastian Millien, Kristine Korzow Richter, Richard Meadow and Christina Warinner; Seth Bruck, Todd Braje, Torben Rick, Emma Elliott Smith and Lain Graham; Christopher Jazwa, Amira Ainis, Ryan Anderson, Karim Bulhusen Muñoz and Harumi Fujita; Brooke Priest, Anna Coppola, Magen Hodapp and Chrissina Burke; Aleta Baxley, Rhododendron O'Boyle, Rachel Pinkman and Alexandra Ritter; Lauren Malone, Gerald Schroedl and Anneke Janzen; Donald Blakeslee; Steven Holen and Kathleen Holen; Hope Loiselle, Logan Kistler, Michael McGowen, Mike Etnier and Ben Fitzhugh; Chelsea Reedy; Paul Pluta, Brittany Cummings, Jessica Whelpley, Megan LeBlanc and Gustav Paulay; Melanie Cootsona

Poster Session **GIS AND SPATIAL ANALYSIS, PART I**

Time: 4:00 p.m.–6:00 p.m.

Participants: Jose Vivero Miranda; Nils Landin; Anthony Sinclair; Rachel Fernandez; Zachery Clow, Issac Ullah and Juliette Meling; Mariah Walzer; Laurene Montero, Douglas Mitchell, Zachary Rothwell, Stephanie Sherwood and Steven Rascona; Michelle Wienhold and Kelli Wathen; Jacob Johnson; Madeleine Gunter-Bassett

Sponsored Poster Symposium **STABILITY AND RESILIENCE IN ZOOARCHAEOLOGY**

(Sponsored by Zooarchaeology Interest Group)

Time: 4:00 p.m.–6:00 p.m.

Chairs: Kara Larson; Jonathan Dombrosky

Abstract: How communities generate stability and resilience against disturbance has received increasing archaeological attention in recent years. Zooarchaeologists are in a prime position to broadly study resilience and the maintenance of stability, given their focus on how human and nonhuman animal communities integrate with one another through time. Animals, and their byproducts, act as a rich proxy toward understanding economic systems and subsistence practices to reveal past adaptation, resiliency, and stability, including failed stability (collapse). The goal of this poster session is to showcase recent zooarchaeological perspectives and work on stability and resilience in different parts of the globe, at different times, and with different methodological approaches.

Participants: Kristin Oliver, Camilla Speller and Jynnifer Zhu; Alina Tichinin; Kimberly Swisher; Abigail Judkins, Caitlin Ainsworth and Emily Jones; Jonathan Dombrosky; Cameron Munley and Michelle LeFebvre; Andrew Colwell; Brett Meyer, Claire Ebert, Julie Hoggarth, John Walden and Jaime Awe; Juliana Rubinatto Serrano; Pam Crabtree; Kara Larson; Anna Luurtsema, Kara Larson, Alicia Ventresca Miller and Henry Wright

Friday Morning, March 31

Symposium **USING SPACE, MAKING PLACE: LANDSCAPE ARCHAEOLOGIES, PART III**

Time: 8:00 a.m.–9:45 a.m.

Chair: Justine Shaw

Participants: Justine Shaw; Ayelen Delgado Orellana; Abigail Buffington, Smiti Nathan and Mary Lawrence Young; Justin Reamer; Raylene Borrego, Marisol Cortes-Rincon, Hannah Vizcarra, Amanda Zetz and Kristen Harrison; Daniel Hansen; Katherine Parker

Friday Morning, March 31

Sponsored Forum **REVISION TO THE SAA'S PRINCIPLES OF ARCHAEOLOGICAL ETHICS:
MEMBERSHIP INPUT**

(Sponsored by the SAA Board of Directors)

Time: 8:00 a.m.–10:00 a.m.

Moderator: Jeffrey Altschul

Abstract: This forum is designed to solicit comments from the membership, including international members, on a draft revision of SAA's Principles of Archaeological Ethics. The draft revision was emailed to all members (current of March 1, 2023) prior to the annual meeting, and copies will be available at the forum. Comments received at the forum as well as those received by the SAA will be considered to craft the final version of the draft principles to be submitted for approval to the SAA Board of Directors. The effort to revise the ethical principles began in 2018 and has involved the work of three successive task forces. This draft represents the first major revision to the principles since they were adopted in 1996.

Discussants: Sandra Lopez Varela; Arlen Chase; Katherine Chiou; Angela Neller; Daniel Perez; Claire Smith

Symposium **ARCHAEOLOGY OF MEDIEVAL EURASIAN STEPPE URBANISM**

Time: 8:00 a.m.–10:00 a.m.

Chairs: Joshua Wright; Lance Pursey

Abstract: This collection of papers highlights the state of the art in the study of the archaeology of Eurasian medieval urbanism. The field has moved beyond simple recognition to that there is such a thing as cities in the grasslands of nomads, to examining these central places in detail and, in many cases, surpassing previous historical sources in detail and depth. Many research projects have enriched our understanding of steppe empires, the interaction of mobile and sedentary populations, networks, and state building. Together they are piecing together the story of steppe urbanism, covering a period of a thousand years. This archaeology is not a twenty-first-century innovation but rooted in the work of many scholars from many national archaeological traditions stretching back into the twentieth century. Papers in this symposium will synthesize and celebrate recent and foundational work on cities in Eastern Eurasia and their contexts from the Turkic periods (seventh CE) through the Mongol Empire (thirteenth–fourteenth CE) and into more recent eras.

Participants: Elissa Bullion, Farhad Maksudov and Michael Frachetti; Annie Chan; Lance Pursey; Susanne Reichert; Jan Bemmann; Henny Piezonka

Discussants: Joshua Wright; Bryan Miller

Symposium **REPORTING IN: PROJECT AND EXPEDITION REPORTS FROM ACROSS THE GLOBE**

Time: 8:00 a.m.–10:00 a.m.

Chair: Aldo Watanave

Participants: Paul Santarone, William Eckerle, Katherine Puseman and Kenneth Cannon; Carlos Figueroa Beltran and Nicole Mathwich; Jon Lohse, W. Derek Hamilton, Leslie Bush, Melanie Nichols and Jenni Kimbell; Jessi Spencer, Kaleigh Best and Mark Wagner; Dawn Crawford; Aldo Watanave, Michelle Watanave, Elvis Monzón and Sintia Santisteban; Adam Rabinowitz, Liviu Iancu, Elijah Fleming, Patricia Neuhoff-Malorzo and Sterling Wright; Emily Schumacher and Miriam Belmaker

Lightning Rounds **REALIZING VALUE IN MESOAMERICA: THE DYNAMICS OF DESIRE AND DEMAND
IN ANCIENT ECONOMIES**

Time: 8:00 a.m.–10:00 a.m.

Moderators: Scott Hutson; Charles Golden

Abstract: The construction, imagination, and experience of “value” shapes our daily choices—how we spend our time, where we choose to invest labor, how we engage with others within and beyond our

communities, and what we assign to realms of exchange or consider inalienable and “priceless.” Value is a social reality that requires a degree of consensus among individuals—consensus established in part through the marketplace. Yet, the establishment, meaning, and social power of value remains the subject of debate by social scientists even for modern cultures and economies. How might archaeologists infer consensus (or lack of consensus) about value in the past? Recent research on Mesoamerican economies has begun to offer greater inroads to this puzzle, highlighting complexities in patterns of production, exchange, and consumption that promise to shed light on precolumbian notions of value and challenge long-held approaches to the method and theory on these topics. The papers in this symposium present research from many parts of Mesoamerica, including Western Mexico, the Basin of Mexico, Veracruz, Oaxaca, and various parts of the Maya Lowlands. Chronologically, the papers range from the Classic period (250–900 CE) to the Spanish Conquest in the early sixteenth century.

Discussants: Marilyn Masson; Mallory Matsumoto; Alanna Ossa; Kristin De Lucia; John Millhauser; Andrea Torvinen; Brigitte Kovacevich; Marc Levine; Bernadette Cap; Tatsuya Murakami; Joanne Baron; Zachary Hruby; Emiliano Melgar; Eleanor Harrison-Buck

Symposium **THE SUBTERRANEAN IN MESOAMERICAN CULTURAL LANDSCAPES**

Time: 8:00 a.m.–10:15 a.m.

Chairs: James Brady; Christina Iglesias

Abstract: This session attempts to bring together the most recent studies and approaches to the Mesoamerican subterranean. The importance of the subterranean in Mesoamerican cultural landscapes is now well documented in the form of both natural caves and artificial, constructed chambers. The power attributed to the subterranean in native cosmology means that these landmarks are magnets that draw activities and settlement to themselves and thus become the focus of elaboration. Additionally, those elements closely associated with the sacred earth, such as cave formations, draw on that same power and thus are intrinsically significant artifacts that require greater interpretive attention when recovered in surface contexts.

Participants: Ulysses Salcido, James Brady and Guillermo de Anda; Vanessa Karkkainen, James Brady and Guillermo de Anda; Christina Iglesias, James Brady and Guillermo de Anda; Taylor Benoit, Guillermo de Anda and James Brady; James Brady; Cameron Griffith, Cameron McNeil and Edy Barrios; Holley Moyes and Dominique Rissolo; Carlos Rincon Mautner; Nicholas Poister, Steve Baumann, Andrew Van Cleve and Richard Greene

Symposium **RECENT RESEARCH IN THE PETÉN LAKES REGION, PETÉN, GUATEMALA**

Time: 8:00 a.m.–10:15 a.m.

Chairs: Timothy Pugh; Yuko Shiratori

Abstract: Over the past decade, the Petén Lakes region of Petén, Guatemala, has been the location of a number of archaeological projects. The new research includes lidar and photogrammetry surveys and associated ground-truthing, which have uncovered new sites and updated those previously mapped. In addition, new excavations at Nixtun-Ch'ich, Muralla de Leon, and Tayasal have refined site chronologies and revealed details about life in the region from the Middle Preclassic to colonial period. Major topics of investigation have included urbanization, site planning, and state formation in the Middle and Late Preclassic periods, and resettlement during the colonial period.

Participants: Yuko Shiratori and Carolyn Freiwald; Lisa Duffy, Kitty Emery and Antonia Foias; Evelyn Chan; Justin Bracken; Jemima Georges; Timothy Pugh; Gabriela Zygodlo; Marc Wolf

Symposium **COFFEE, CLEVER T-SHIRTS, AND PAPERS IN HONOR OF JOHN S. JUSTESON**

Time: 8:00 a.m.–10:15 a.m.

Chairs: Jennifer Loughmiller-Cardinal; David Mora-Marin

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Abstract: This is a symposium in honor of John Justeson's career as a friend, scholar, teacher, and mentor. John has published extensively on the history and structure of Mesoamerican art and writing traditions, including Olmec, Epi-Olmec, Mayan, and Zapotec, as well as the calendrical and astronomical reckoning systems. Together with Terrence Kaufman he codirected a major project on the linguistic documentation of the languages of Mesoamerica leading to many PhD dissertations, grammars, and dictionaries. Topics for the symposium will include ways of understanding how information is processed and organized in spoken and written languages as well as material culture, especially in Mesoamerica, but also the Near East, the Mediterranean, and India/Pakistan.

Participants: Anthony Aveni; Una Canger; Rebecca Dinkel; Joshua Englehardt and Michael Carrasco; Michael Carrasco and Joshua Englehardt; Jennifer Loughmiller-Cardinal and James Scott Cardinal; David Mora-Marin; Christopher Pool

Symposium **HEAT, STEAM, AND HEALTH: THE ARCHAEOLOGY OF THE MESOAMERICAN PIB NAAH (SWEAT BATHS)**

Time: 8:00 a.m.–10:15 a.m.

Chair: Edy Barrios

Abstract: Sweat baths have a deep history in Mesoamerica. While also used by males, they have a pan-Mesoamerican association with women and women's health issues, including childbirth, general fertility, and gynecological illnesses. Ancient images and recent excavations demonstrate the links between goddesses, fertility-linked reptiles, and sweat baths. In the last decade a number of sweat baths have been excavated providing new information on the form sweat baths of the precontact period took and the types of offerings associated with them. In addition, in some areas of Mesoamerica each household had a sweat bath, while in others sweat baths appear to be a structure shared communally. This session includes papers on ancient and modern sweat baths.

Participants: Edy Barrios, Cameron McNeil and Mauricio Díaz García; Payson Sheets; Elodie Treffel; Mary Clarke; Carlos Alvarez; Jackeline Quinonez; Alexandre Tokovinine

Discussant: Oswaldo Chinchilla

Symposium **STEP BY STEP: TRACING WORLD POTTING TRADITIONS THROUGH CERAMIC PETROGRAPHY**

Time: 8:00 a.m.–10:15 a.m.

Chairs: Dominique Sorresso; Anthony Farace

Abstract: The term chaîne opératoire, or the chain of production, is used to describe the whole process of ceramic manufacture. By understanding this process, we may investigate the series of operations that transform raw materials into a finished product. Qualitative and quantitative ceramic petrographic methods are uniquely suited to identify production methods, such as paste preparation, forming techniques, and firing atmosphere. Petrographic data can be utilized to characterize the different chaînes opératoires present in a ceramic assemblage so they might be ultimately connected to the intention of the potter. These baseline data can then be used for comparative analyses of production step sequences and to define local and regional communities of practice. This session brings together case studies from around the world using thin-section petrography along with other complimentary methods, some of which aim to home in on individual steps while others analyze the chain of production in its entirety. By using these data to identify cultural patterns, these processes may be further used to answer larger questions such as those of identity and practice in relation to the spread of these chains of production.

Participants: Dominique Sorresso, C. Trevor Duke and Charles Cobb; Anthony Farace; Kari Schleher and Suzanne Eckert; Genevieve Woodhead; Karleen Ronsairo; Anna Cohen; Ximena Villagran, Marcony Alves, Thiago Kater, Kelly Brandão and Francisco Pugliese; Mary Ownby and Fiona Kidd

Discussant: Suzanne Eckert

Symposium **HUNTER-GATHERER ARCHAEOLOGY OF LIGURIA: RECENT RESEARCH AND INSIGHTS**

Time: 8:00 a.m.–10:30 a.m.

Chairs: Julien Riel-Salvatore; Claudine Gravel-Miguel

Abstract: Since 2014, there has been a boom of research in hunter-gatherer archaeology in the region of Liguria. This has included the excavation of new sites, the re-excavation of important sites excavated by prior generations of scholars, and the reanalysis of materials collected as part of pioneering projects across the region. This session brings together scholars to discuss the results of newly concluded projects such as those at Riparo Bombrini, Arene Candide, and Via San Francesco and ongoing projects or reanalyses of materials from sites such as Arma Veirana, Arma dello Stefanin, and Arma di Nasino. The goal is to provide a setting to critically discuss these new data and chart new directions for an integrated approach to the archaeology of foragers in the region across several disruptive events, including the Middle–Upper Paleolithic transition and the Pleistocene–Holocene boundary.

Participants: Fabio Negrino, Tobias Lauer, Andrea Zerboni, Sagra Talamo and Guido Mariani; Amelie Vallerand; Silvia Gazzo, Fabio Negrino and Julien Riel-Salvatore; Claudine Gravel-Miguel, Julien Riel-Salvatore, Fabio Negrino, Emanuela Cristiani and Roberto Maggi; Ivano Rellini, Sabina Ghislandi, Gabriele Martino, Julien Riel-Salvatore and Roberto Maggi; Julien Riel-Salvatore, Fabio Negrino and Claudine Gravel-Miguel; Elena Rossoni-Notter, Olivier Notter and Abdelkader Moussous

Discussants: Julien Riel-Salvatore; Geneviève Pothier-Bouchard

Symposium **OLD TECHNOLOGY, NEW METHODOLOGY**

Time: 8:00 a.m.–10:45 a.m.

Chairs: Bethany Potter; Abby Baka

Abstract: Given their excellent preservation and direct relation to subsistence and mobility, lithic studies have long been central to the field of archaeology. Even recently, some archaeologists felt we had reached the extent of knowledge that could be derived from lithics, but new technological innovations in analysis, statistics, and experimentation are advancing the limits of what lithic artifacts can teach us about human behavior. Such innovations have expanded the dataset from which models of human subsistence and mobility are built. This session showcases new directions in lithic studies including big-data analysis, morphometrics, use-wear, novel data sources, and refined experimental methods.

Participants: Raven Garvey; Chase Mahan; Adela Cebeiro, Johanna Neufuss, Roman Wittig, Susana Carvalho and Alastair Key; Heather Rockwell; Nicholas Gala, Anna Mika, Michael Wilson, Jeremy Williams and Robert Walker; Abby Baka, Bethany Potter, Mason Niquette and Rolfe Mandel; Nathan Stevens; Bethany Potter, Caroline Kisielinski, Justin Tackney, Dennis O'Rourke and Frederic Sellet; Alberto Conti, Tessa Amend, Jake Fruhlinger and Erick Robinson

Discussants: Metin Eren; Alison Brooks

Symposium **LATE PLEISTOCENE STEMMED POINTS ACROSS NORTH AMERICA: CONTINENTAL QUESTIONS AND REGIONAL CONCERNS**

Time: 8:00 a.m.–10:45 a.m.

Chairs: Nathaniel Kitchel; Richard Rosencrance

Abstract: Shoulderless stemmed projectile points are among the earliest widespread projectile technologies of Far West North America. In this area, stemmed projectile points first appear during the late Pleistocene and may be coeval with, or predate, the fluted points that appear in many other areas of the continent at this time. By the final centuries of the Pleistocene, stemmed projectile points like the forms of the Far West appear across most of North America from Alaska to Mexico and from the Pacific to Atlantic oceans. Despite the continental span of these point forms, this period in the early human history of the continent has received relatively little research effort compared to the fluted-point period in many regions. This session brings together participants from across the continent highlighting

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both the vast geographic extent and regional variability of shoulderless stemmed point technologies that appear across much of North America by the Pleistocene–Holocene transition. We hope this session will serve as a “call to action” for expanded research effort into this second continental scale technological radiation across North America.

Participants: Loren Davis; Daron Duke and Daniel Stueber; Carlton Shield Chief Gover, Christina Ryder, Erick Robinson, Kathryn Reusch and Stephen Nash; John Ives; Jeffrey Rasic; Brigitte Faugere and José Luis Ruvalcaba; Joseph Gingerich and William Childress; D. Shane Miller, Derek Anderson, James Strawn and Stephen Carmody; Nathaniel Kitchel; Richard Rosencrance; Duncan McLaren

Symposium **RESEARCH, EDUCATION, AND AMERICAN INDIAN PARTNERSHIPS AT THE CROW CANYON ARCHAEOLOGICAL CENTER**

Time: 8:00 a.m.–11:45 a.m.

Chair: Susan Ryan

Abstract: The Crow Canyon Archaeological Center (Crow Canyon), founded in 1983, is a nonprofit organization whose mission is to empower present and future generations by making the human past accessible and relevant through archaeological research, experiential education, and American Indian knowledge. As a core value, we believe the study of the past is an intrinsically worthwhile endeavor that creates more informed and sustainable societies. Through a better understanding of human history, we shed light on how the past can teach us about the challenges societies face throughout the world and strive to create change for the betterment of humanity. This symposium celebrates Crow Canyon’s past, present, and future by providing a backdrop to its humble beginnings and highlighting key mission accomplishments since 1983. Future directions presented here will guide southwestern research, collaborative partnerships, and public archaeology beyond current practices and provide meaningful strategic directions.

Participants: Susan Ryan; Elaine Franklin; Richard Wilshusen, Kellam Throgmorton and Grant Coffey; Jonathan Driver and Karen Schollmeyer; James Potter, Grant Coffey and Mark Varien; Jeffrey Jones and Tyson Hughes; Scott Ortman; Paul Ermigiotti, Mark Varien, Grant Coffey, Stewart Koyiyumptewa and Leigh Kuwaswisiwma; Donna Glowacki, Grant Coffey and Mark Varien; Wesley Bernardini and Leigh Kuwanwisiwma; Michael Adler and Michelle Hegmon; Kristin Kuckelman; Thomas Windes and Benjamin Bellorado; Joseph Suina

Discussant: Elizabeth Perry

Symposium **REGIMES OF THE ANCIENT MAYA**

Time: 8:00 a.m.–12:00 p.m.

Chair: Maxime Lamoureux-St-Hilaire

Abstract: In this symposium and its accompanying forum, we seek to open the black box of “the ancient Maya polity” by investigating diverse expressions of Maya political organization. In the study of ancient Maya political organization, the traditional and homogenizing concept of the Maya polity is largely ahistorical and ideological, reflecting primarily a bounded political unit recognized from within and without. We argue that the concept of regimes is better suited for studying how ancient Maya communities constructed, distributed, and legitimated political power. By investigating many variable yet coherent political practices, we seek to better understand the mosaic of “political communities” that characterized the ancient Maya world at distinct times in its long history. Our dual “Regimes” symposium and forum assemble scholars working across most of the Maya world and studying periods ranging from the Early Classic to the Late Postclassic.

Participants: Marcello Canuto and Maxime Lamoureux-St-Hilaire; Maxime Lamoureux-St-Hilaire and Tomás Barrientos Q.; Diane Chase and Arlen Chase; Lisa LeCount, Jason Yaeger, Bernadette Cap and Borislava Simova; Kenichiro Tsukamoto; Tomas Barrientos and Marcello Canuto; Antonia Foias; Damien Marken, Olivia Navarro-Farr and David Freidel; Verónica Vázquez López, Felix Kuppatt, Kathryn Reese-

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Taylor and Armando Anaya Hernández; Arthur Demarest; Ellen Bell, Erlend Johnson, Marcello Canuto and Cassandra Bill; Marc Zender and Mary Kate Kelly; Dominique Michelet and Pierre Becquelin; George Bey, William Ringle and Tomas Gallareta N.; Iyaxel Cojti-Ren

Sponsored Symposium **NEGOTIATING WATERY WORLDS: IMPACTS AND IMPLICATIONS OF THE USE OF WATERCRAFT IN SMALL-SCALE SOCIETIES**

(Sponsored by Island and Coastal Archaeology Interest Group)

Time: 8:00 a.m.–12:00 p.m.

Chairs: Albert Garcia-Piquer; Mikael Fauvelle; Colin Grier

Abstract: This session brings together archaeological case studies and theoretical frameworks that focus on the use and impact of watercraft in small-scale societies around the world. Present research on the role of boats and water transport in maritime societies has stressed the necessity of theorizing watercraft as both a means of transportation and instrument of production, and how these technologies structured social contexts, fueled and curtailed political centralization, and shaped world views. Case studies in this session stress a comparative approach in order to further our understanding of the interplay between aquatic environments, watercraft technology, and social change, ranging from studies focused on seafaring and organizational strategies (settlement and mobility patterns, ways of transport) to those concerned with social and ideological dimensions of society (gender, social complexity, exchange networks, identity, and ontologies).

Participants: Thomas Brown; Adam Rorabaugh; Quentin Mackie; Erin Smith; Peter Whitridge; Christina Livingston, Matthew Des Lauriers and Claudia Garcia-Des Lauriers; Victor Thompson; Bettina Schulz Paulsson; Alvaro Montenegro, Boel Bessemer-Clark, Ashley Green and Johan Ling; Greer Jarrett; Jordi Rivera Prince; Nelson Aguilera, Albert García-Piquer and Raquel Pique; Albert Garcia-Piquer and Colin Grier; Mikael Fauvelle and Peter Jordan

Discussant: Colin Grier

Symposium **CHECKING THE PULSE: CURRENT RESEARCH IN OAXACA, PART I**

Time: 8:00 a.m.–12:00 p.m.

Chair: Marijke Stoll

Abstract: For this year's symposium, Diálogos en Oaxaca Archaeology brings together Mexican and American archaeologists to discuss their ongoing research. We are "checking the pulse," so to speak, on current research in Oaxaca. Presenters will discuss their projects in all stages of investigation: what they are discovering; what results are coming out of their current projects; what conclusions they are reaching; or even what questions they are considering tackling next. Oftentimes, it can be hard for researchers to keep up with all the investigations going on in their geographic areas of study, especially when we are located at different universities, institutions, and even countries. This can be especially difficult when dealing with transnational research where scholarly communities are divided by distance and other political and social boundaries. By checking in with each other, we aim to encourage further communication and hopefully generate greater collaboration between archaeologists who share a common goal—recording and preserving Oaxaca's ancient history for future generations.

Participants: Veronica Perez Rodriguez; Alba Tellez; Itzel Chagoya Ayala; Maria Palomares; Cuauhtémoc Vidal Guzmán; Akira Ichikawa and Arthur Joyce; Guy Hepp and Marc Levine; Pedro Ramon Celis; Lilia Rivero Weber and Nelly Robles García; Éloi Bérubé and Cira Martínez López; Liana Jiménez Osorio; Soren Frykholm and Stephen Whittington; Emmanuel Posselt Santoyo

Discussants: Nelly Robles García; Stacie King

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Symposium **MUTUALLY BENEFICIAL: TECHNOLOGIES IN ARCHAEOLOGICAL APPLICATION AND ARCHAEOLOGIES IN TECHNOLOGICAL APPLICATION, PART II**

Time: 8:30 a.m.–12:00 p.m.

Chair: Giles Morrow

Participants: Robert Stokes, Cash Ficke and JoAnna Schultz; Giles Morrow, Jesse Spencer-Smith, Yuechen Yang and Mubarak Ganiyu; Daniel Plekhov, Linda Gosner and Jessica Nowlin; Kevin Wright; Daniel Hruschka, Robert Bischoff and Matt Peebles; Amanda Zetz, Marisol Cortes-Rincon, Kristen Harrison, Raylene Borrego and Hannah Vizcarra; Megan Kassabaum, Grace Riehm, Regina Lowe, Matthew Capps and Vincas Steponaitis; Todd Ahlman, Ashley McKeown, Kallista Karastamatis and Kathryn Ahlman; Rita Dias, Tiago Pereiro, João Hipólito, João Fonte and António Neves; Robert Bischoff and Cecilia Padilla-Iglesias; Clara Alexander, Sandra Balanzario and Alexandre Tokovinine; Emily Blackwood; Madelaine Azar; Ronald Schirmer and Andy Brown

Symposium **ARCHAEOLOGY AND LANDSCAPE LEARNING FOR A CLIMATE-CHANGING WORLD**

Time: 8:45 a.m.–12:00 p.m.

Chair: Marcy Rockman

Abstract: How do we figure out how to live in unfamiliar places? For nearly 20 years, the model of landscape learning—which outlines how humans gather, use, remember, and share environmental information—has been a pathway for archaeologists to explore the processes of adaptation as part of human colonization and migration in many times and places around the world. But from its inception, landscape learning was also recognized as something humans need to do any time they find themselves in environments they do not know. Modern anthropogenic climate change is now changing environments around the world in new and rapid ways. The World Bank estimates that more than 200 million people will likely migrate due to climate by 2050—and billions more will experience their environments changing around them. Landscape learning is becoming a project for all of human society. Therefore, we now ask: What has archaeology learned about landscape learning that can help with the challenges of climate change? This session explores human capacity and practices in learning environments, examines how threads of learning—or lack thereof—have contributed to our present, and proposes ideas for policy for archaeology, migration, and climate adaptation going forward.

Participants: Marcy Rockman; Wei Chu; Rowan Jackson, Andrew Dugmore and Felix Riede; Anne Jensen; Kathryn Krasinski, Angela Wade, Norma Johnson and Fran Seager-Boss; Jade d'Alpoim Guedes; Nicholas Schmuck; Eric Rodríguez-Delgado and Mariela Declet-Perez; Scott Ingram; LuAnn Wandsnider; Maria Rosa Iovino and Gaetano Sabato

Discussant: Bonnie Pitblado

Symposium **A FURTHER DISCUSSION ON THE ROLE OF ARCHAEOLOGY IN RESOURCE AND PUBLIC LAND MANAGEMENT**

Time: 8:45 a.m.–12:00 p.m.

Chair: Kenneth Cannon

Abstract: As archaeological research shifted toward issues at the landscape scale, increasingly sophisticated methods and technologies provided the discipline with refined data that can be applied to the study of the evolution of ecological and cultural systems. In this symposium, we bring together a range of specialists to discuss the role of archaeological data in addressing an array of topics, from the definition of wilderness, water management, mammalian genomes, mammalian range shifts, and shifting landforms. These papers bring time depth to our understanding of past ecological communities and human-environment relationships through interdisciplinary approaches, including archival studies, biogeography, ethnography, geoarchaeology, and zooarchaeology. These case studies provide a more complete understanding of system dynamics for future protection and management.

Participants: Lawrence Todd and Daniel Dalmas; Douglas MacDonald; Craig Lee, Michael Neeley and

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Elizabeth (Beth) Horton; Scott Dersam and Sari Dersam; Dalyn Grindle; Jonas Oppenheimer, Beth Shapiro, Ed Green, Greg Wilson and Gregg Adams; Kenneth Cannon, Ethan Ryan and Houston Martin; Molly Cannon and Anna Cohen; Edward Stoner, Thomas Lennon, Thomas Bullard, Geoffrey Cunnar and Charles Wheeler; Konnie Wescott, Jenn Abplanalp, Lee Walston, Emily Zvolanek and Conner Wiktorowicz; Matthew Hoffman, Jake Fruhlinger, Linda Reynard and Erick Robinson
Discussant: Robert Hitchcock

Symposium **BEHAVIORAL ECOLOGY AND ARCHAEOLOGY**

Time: 9:00 a.m.–12:00 p.m.

Chairs: Kenneth Vernon; Elic Weitzel

Abstract: Behavioral Ecology is a well-established and productive research program, with decades of insightful output contributing greatly to our understanding of human adaptive diversity. Within the Society for American Archaeology, however, it has received only limited attention, mostly from archaeologists working with hunter-gatherers in western North America. Organized sessions explicitly devoted to behavioral ecology have been few and far between but are valuable to conference attendees. For that reason, we have organized this session to showcase critical work currently being done to advance Behavioral Ecology within archaeology. In particular, we hope to demonstrate that Behavioral Ecology is not confined to its traditional focus on subsistence and settlement dynamics among foragers, but rather provides a necessary and fruitful framework for studying a broad suite of complex behaviors within a wide variety of socio-environmental contexts, including social inequality, violent conflict, and geographic agglomeration.

Participants: Elic Weitzel; Allison Wolfe; Kasey Cole, Jack Broughton, Lauren Hainsworth, Maren Moffatt and Alex Shumate; Bruce Winterhalder, Eugène Morin, Douglas Bird and Rebecca Bliege Bird; Kenneth Vernon, Weston McCool, Simon Brewer, Brian Codding and Scott Ortman; Dylan Davis and Kristina Douglass; Daniel Contreras and Brian Codding; Natalie Munro; Jennifer Chen, Lauren Canale, Jelmer Eerkens, James Watson and Randall Haas; Weston McCool, Brian Codding and Kenneth Vernon; Kurt Wilson, Kasey Cole and Brian Codding; Eric Smith and Brian Codding

Symposium **HERITAGE SITES AT THE INTERSECTION OF LANDSCAPE, MEMORY, AND PLACE: ARCHAEOLOGY, HERITAGE COMMEMORATION, AND PRACTICE**

Time: 9:15 a.m.–12:00 p.m.

Chair: Mark Tveskov

Abstract: Archaeology has traditionally worked through the lens of oversimplified binaries: historical versus precontact archaeology, the past as objectively separate from the present, or academic research versus compliance or public archaeologies, for example. This symposium presents a cross section of studies that attempt to extend beyond these dichotomies, to decolonize the practice of archaeology to be inclusive to previously marginalized voices, and to increase the access and relevance of heritage sites to the diverse publics.

Participants: Mark Tveskov and Donald Ivy; Kimberli Fitzgerald, Kirsten Straus and Kylie Pine; Tom Connolly and Perry Chocktoot; Douglas Wilson; Seth Mallios; Peter Nelson; Mark Warner and Katrina Eichner; Sigrid Arnott, Janis Fairbanks, David Maki and Marcus Ammesmaki; R. Scott Baxter; Edward Gonzalez-Tennant, John Dysart, Taylor Collore, Rachel Thompson and Alex Nalewaik

Discussant: David Harrelson

Poster Session **WHAT'S GOING ON OUT THERE? METHODS AND FIELDWORK**

Time: 10:00 a.m.–12:00 p.m.

Participants: Caleb Ranum, Alan Farahani, Katherine Chiou, Julia Sponholtz and Patricia Mathu; Yuan Fang and Gyoung-Ah Lee; Autumn Myerscough; Ava Godhardt and David Hyde; Amanda Regnier, Scott

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Hammerstedt and Patrick Livingood; Scott Sunell, Eleanor Fishburn, Brian Holguin, Gina Mosqueda-Lucas and Jennifer Perry; Juan Argoti Gómez; Mark Chenault, Michael Stubing and Ron Ryden; David Hyde; Erin Ray and Nadia Neff; Joshua Vallejos and Katherine Peck

Poster Session **OF GRAVE IMPORTANCE: MORTUARY ANALYSIS AND BIOARCHAEOLOGY**

Time: 10:00 a.m.–12:00 p.m.

Participants: Molly Symmonds, Colin Quinn, Lacey Carpenter, Nandini Subramaniam and Horia Ciugudean; Patricio Gutiérrez Ruano, Ava Godhart, Meradeth Snow and Michael Mathiowetz; Chin-hsin Liu, Emily Darlington and Michael Mathiowetz; Mary Maisel, Katherine Dunning and Jonathan Bethard; Célia Gonçalves, João Cascalheira, Cláudia Umbelino, Ricardo Godinho and Dany Nogueira; Allison Densel; Elaine Aguayo Ortiz, Arion Mayes and Arthur Joyce; Xiaofan Sun, Sen You, Jinping Wang, Quanchao Zhang and Qian Wang; Aubree Marshall, Gabriela Murphy and Gabriel Wrobel; Annabelle Lewis; David Hansen, Greg Pratt, Steven Gilbert and Dmitry Voyakin; McClean Pink and Megan Perry; Nasreen Broomandkhoshbacht, Lars Fehren-Schmitz, Lucy Salazar, Richard Burger and Elizabeth Nelson; Britannia Barbour; Marc Wampler, Steve Martin, Bridget Mohr, Allison Soergel and Nancy Ross-Stallings; Bernardo Arriaza, Juan Pablo Ogalde, Leonardo Figueroa, Vivien Standen and Sian Halcrow

Poster Session **ETHNOGRAPHIC RESEARCH IN ARCHAEOLOGY**

Time: 10:00 a.m.–12:00 p.m.

Participants: Aspen Greaves; Steph Gruver; Molly Corr; Milsy Westendorff and Dana Bardolph

Poster Session **WE'VE GOT CHEMISTRY: CHEMICAL ANALYSES IN ARCHAEOLOGY**

Time: 10:00 a.m.–12:00 p.m.

Participants: Serena Webster, Andrew Somerville and Marion Forest; Jessica Clark, Danielle Waite, Steph Miller, Brigitte Kovacevich and Travis Stanton Traci Ardren; Robin Singleton, Kristen Rayfield, Karissa Hughes, Courtney Hofman and Staff La Brea Tar Pits; Daniela Hernández Sariñana, Luis Barba Pingarrón and Agustín Ortiz Butrón

Poster Session **THE ARCHAEOLOGY OF INEQUALITY**

Time: 10:00 a.m.–12:00 p.m.

Participants: Michael Elvige, Megan Harris and Jeff Wilson; Meagan Pennington; Hannah Budner, Lacey Carpenter, Hannah Lau and Colin Quinn; Mathilde El Hadjen; Ryan Waxman; Anne Sherfield, Alicia Fritz, Ruth Brenton, Thomas Lobato and Michael Smith; Travis Chai Andrade; Olivia Ellis, John Walden, Kyle Shaw-Müller, Claire Ebert and Julie Hoggarth; Elena Sperry-Fromm

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

Time: 10:00 a.m.–12:00 p.m.

Chair: Brooke Drew

Abstract: Due to unavoidable redevelopment and facility expansion, the Indianapolis Airport Authority (IAA) contracted with the cultural resource management specialists of Cardno Inc. (now Stantec) to conduct public coordination, background research, field documentation, geophysical investigation, excavation, and relocation of individuals buried in the Bethel Cemetery (12MA1025), located in Decatur Township, Marion County, Indiana. This once-rural cemetery, established in 1827, was utilized by early Indiana pioneers and their descendants until 1935. During the summer of 2018, 540 burial features, only 135 of which were unequivocally associated with headstones, were removed by Cardno in collaboration with faculty and students from Indiana University-Purdue University (IUPUI), University of Indianapolis

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(UIndy), and Indiana State University (ISU). Subsequent osteological and artifact analyses were conducted prior to reburial at a new cemetery in August 2019; this new location was rededicated in September 2019. This symposium presents ongoing research related to this excavation and associated analyses. Poster topics include photogrammetric imaging of the cemetery landscape and individual burials, bioarchaeological investigations of the human remains including demography and paleopathology, above- and belowground material culture analyses, and a discussion of the collaboration between the archaeological team, the living descendant community, the client, and additional stakeholders.

Participants: Ryan Peterson; Alex Badillo, Aaron Estes, Zachary Brown and Hannah Redlin; Jeremy Wilson, Grace Bocko and Olivia Messenger; Alexandra Powell and Jeremy Wilson; Christopher Schmidt, Megan Hoffman and Grace Holmes; Gretchen Zoeller; Brooke Drew

Poster Symposium **DIGITIZING ARCHAEOLOGICAL PRACTICE: EDUCATION AND OUTREACH IN THE ARCHAEOGAMING SUBDISCIPLINE**

Time: 10:00 a.m.–12:00 p.m.

Chair: Krystiana Krupa

Abstract: The growing subdiscipline of archaeogaming addresses the intersection of archaeology and gaming in its broadest sense, via tabletop/board games, video games, card games, and myriad other types. It is primarily construed as the archaeology in and of games—this may include how archaeology is represented within gaming worlds, exploring the built landscape within a game, and examining material culture within a game, to list a few perspectives. Gaming remains an especially popular form of child and adult media, and it is particularly informative for us as archaeologists to understand how our discipline is presented in media forms that are engaged with by so many members of the public. The posters in this session highlight the educational and outreach-based impacts of archaeology in gaming. They explore a variety of game types in which the archaeological components receive varying levels of attention by the games themselves, exposing the need for archaeological insight into these portrayals of the field and its practitioners. The perspectives presented in this session represent a burgeoning subfield of critical media studies with a focus on archaeological content.

Participants: David S. Anderson; Emma Barbacini; Paige Brevick; Lisa Cipolla, Daryl Basarte, Michael Zimmerman, Anna Coon and Bryanda Owen; Robert Cook, Grace Conrad and Joseph Chambers; Ashley Hampton; Geena Hollis; Drosos Kardulias, Jordan Schmidt, Andrew Savidge, Amber Swigart and Aaron Gonzalez; Krystiana Krupa, Rhianna Bennett, Anna Coon and William Farley; Chester Liwosz and Arthur Cruz; Emily McElroy; Bryandra Owen; Christopher Wai

Symposium **ON DISCIPLINARY CULTURE: CHALLENGING TRADITIONAL POWER AND KNOWLEDGE STRUCTURES WITHIN ARCHAEOLOGY, PART I**

Time: 10:00 a.m.–12:15 p.m.

Chair: Lauren Jablonski

Participants: Alice Kehoe; Mekanani Bell; Antonio Beardall; Emily Hanscam and Brian Buchanan; Ashley Lemke, John O’Shea, Robert Reynolds and Thomas Palazzolo; Rubén Morales Forte and Maxime Lamoureux-St-Hilaire; Lauren Jablonski; Robert DeMuth; Paul Reed

Forum **ARCHAEOLOGICAL SCIENCE AND TRIBAL INTERESTS IN THE PACIFIC NORTHWEST**

Time: 10:15 a.m.–12:15 p.m.

Moderators: Amanda Taylor; Robert Kopperl

Abstract: In the Pacific Northwest, many cultural heritage professionals consider archaeological science for its own sake to be intertwined in a legacy of European American colonialism. Up-and-coming researchers in precontact archaeology grapple with the ethics of collecting data, even in collaboration with Tribes. This forum brings together Pacific Northwest Tribal cultural resources representatives,

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academic researchers, and CRM archaeologists who are actively working through how to conduct archaeological science that prioritizes Tribal interests. We will explore when and how the tools and goals of science can be useful for social and environmental justice, and where they fall short. Themes will include archaeological science from the perspective of descendant communities and dilemmas faced by researchers who use data from lithics, ceramics, plant and animal remains, and sediment to practice respectful cultural heritage work. Participants will share short introductions and talking points followed by interactive discussions with participants and audience members.

Discussants: Dennis Lewarch; Shelby Anderson; Kelly Derr; Thomas Brown; Loren Davis; Katelyn McDonough; Sara Gonzalez; Michele Punke; Lia Frenchman; Jon Shellenberger; Azure Bouré

Forum **VISUAL STORYTELLING AND COMMUNITY-BASED RESEARCH IN ARCHAEOLOGY**

Time: 10:15 a.m.–12:15 p.m.

Moderator: Keitlyn Alcantara

Abstract: In this forum, we focus on the ways in which documentaries and visual media serve to represent the perspectives of the researcher with the self-representation of community collaborators. Through visual media, this forum will emphasize the importance of creating platforms accessible to diverse forms of knowing and teaching, with the goal of challenging the limits of Western-centric academic worldviews. This forum asks participants to consider the ways in which we, as Western-taught researchers, are limited in our analyses of archaeological pasts, given the contemporary cultural lenses of capitalism and colonialism that shape our current world. Through co-created storytelling, we center research as a reciprocal exchange that further allows the researcher to experience and implement alternative lenses and perspectives.

Discussants: Ian Kuijt; Pedro Ramon Celis; Kirk French; Chelsea Fisher

Sponsored Symposium **THE CURRENT STATE OF ARCHAEOLOGICAL RESEARCH ACROSS SOUTHEAST ASIA**

(Sponsored by Southeast Asian Archaeology Interest Group)

Time: 10:15 a.m.–12:15 p.m.

Chair: Scott Macrae

Abstract: From Myanmar to the Philippines, 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: Kathleen Kelley, Guangmau Xie, Qiang Lin and Miriam Belmaker; Francis Allard; Scott Macrae, Kong Cheong, Gyles Iannone and Pyiet Phyto Kyaw; Piyawit Moonkham, Andrew Duff and Nattasit Srinurak; Mitch Hendrickson; Roland Fletcher and Sarah Klassen; Gyles Iannone

Lightning Rounds **FROM THE ANDES TO THE AMAZON: IN HONOR OF CLARK ERICKSON**

Time: 10:15 a.m.–12:15 p.m.

Moderators: John Walker; Melissa Murphy

Abstract: Clark Erickson is a pioneering scholar of landscape archaeology, historical ecology, and four-field anthropology. For a half century, he has kept people at the center of his archaeological and anthropological practice in the Lake Titicaca Basin, the Bolivian Amazon, and beyond, and has invited his students and

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colleagues to do the same. His research in the Lake Titicaca Basin brought to light the long history of intensive agriculture in the Andes and the ability of local communities to organize it. In the Amazon, Clark's work transformed Mojos from an unknown backwater to a center of Amazonian studies. As a founder and leading figure in the field of historical ecology, his influence has spread far beyond anthropology and archaeology. Through his training at the University of Illinois and his long career at the University of Pennsylvania, he epitomized a rare combination of academic rigor and debate with collegiality and fellowship. This lightning round session includes tributes by students, friends, and scholars who have been inspired, encouraged, and provoked by Clark's long record of excellent, wide-ranging, and interdisciplinary work.

Discussants: Michael Heckenberger; Loa Traxler; Larry Coben; Jason Yaeger; Charles Stanish; Cynthia Robin; Stéphen Rostain; Whittaker Schroder; Michael Frachetti; Minette Church; Matthew Liebmann; Pamela Geller; Gregory Knapp; Marcello Canuto; Sonia Alconini; Clark Erickson

Symposium **ADVANCING THE ARCHAEOLOGY OF INDIGENOUS AGRICULTURE IN NORTH AMERICA**

Time: 10:30 a.m.–12:00 p.m.

Chair: Christina Friberg

Abstract: Advances in paleoethnobotanical analysis over the last several decades have allowed archaeologists to gain an understanding of crop domestication and intensification, diet breadth, food storage, processing, and cooking practices, and even changes in subsistence strategies in response to climate change and warfare. While these analyses have focused on the production and consumption of agricultural foods, their scope is limited to post-harvest activities. This is only part of the picture, as Indigenous farmers spent a large portion of their time planning, brokering land, prepping fields, planting, and tending. Nevertheless, the location of fields and methods of planting and irrigation are often overlooked. To fully comprehend the scale of the labor, knowledge, and power wielded by Indigenous farmers to organize complex systems of agriculture, archaeologists must shift our focus to ask where and how crops were grown. The papers in this session explore these questions through geoarchaeological, environmental, ethnographic, and experimental methods to further advance our understanding of Indigenous agriculture.

Participants: Edward Herrmann, Rebecca Hawkins, Christina Friberg and Jayne-Leigh Thomas; Madeleine McLeester, Jesse Casana, Carolin Ferwerda, Alison Anastasio and Jonathan Alperstein; Jayne-Leigh Thomas, Dan Knudsen and Rebecca Hawkins; Rebecca Barzilai and Jayne-Leigh Thomas; Megan Belcher and Natalie Mueller

Discussant: Jack Rossen

Symposium **ALMOST 100 YEARS SINCE JULIO C. TELLO: RESEARCH AT HUACA DEL LORO, NASCA, PERU**

Time: 10:30 a.m.–12:00 p.m.

Chairs: Christina Conlee; Corina Kellner

Abstract: The expansion of first-generation empires was a key transformation that impacted societies in a myriad of ways. In the Andes, the Middle Horizon (500–1000 CE) was a time of interregional interaction, influenced by the expansion of the highland Wari. The relationship between the Wari and the coastal Nasca has been debated, especially the role of Huaca del Loro, the largest site during this period. Julio C. Tello (the father of Peruvian archaeology) and his team were the first to investigate the site in 1927, recording rectangular compounds and excavating large collective tombs. William Duncan Strong gave the site its current name in the 1950s and excavated a circular temple, as well as units in the compounds. In the 1980s the circular temple was proposed to have been the result of Huarpa (pre-Wari) expansion. In the 2000s it was suggested that Huaca del Loro was a local settlement of Wari resistance. In this session, we bring together the results of two field seasons at Huaca del Loro that uncovered a Wari D-shaped temple and compounds, indicating the site was a Wari colony with a large

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residential area. These data broaden our knowledge of the expansion of first-generation empires and local transformations.

Participants: Christina Conlee and Aldo Noriega; Tyler Rhoads, Jerod Roberts, Bryan Heisinger and Victoria Roberts; Matthew Biver and Heidi Hepburn; James Moore; Victoria Roberts, Kaylee Henderson and Jerod Roberts; Corina Kellner

Symposium **COASTAL ENVIRONMENTS IN ARCHAEOLOGY: ANCIENT LIFE, LORE, AND LANDSCAPES**

Time: 10:30 a.m.–12:00 p.m.

Chair: Mike Carson

Abstract: Coastal environments have been among the most crucial venues of human evolutionary and cultural history, yet more work is needed for clarifying the relevant archaeological evidence, cultural folklore and traditions, and long-term paleo-environmental sequences of changing coastlines and habitats. This session invites experts in coastal studies to compare their diverse findings about ancient life, lore, and landscapes in the world's coastal zones, toward understanding the complex natural and cultural histories of coastal environments in a global perspective. The global-scale issues involve how people have adapted with changing coasts through variable periods of stability versus instability in climate, sea level, habitat ecology, cultural use of resource zones, population distributions, cross-regional migrations, and other aspects of urgent applicability in the world today and into the future.

Participants: Todd Braje, Jillian Maloney, Amy Gusick, Jon Erlandson and Shannon Klotsko; Bryn Letham, Andrew Martindale and Thomas Brown; Hollis Miller; Antonio Ricardo De La Cruz Roldan and James Bayman; Carey Garland, Victor Thompson, Ted Gragson, Marcie Demyan and Brett Parbus; Mike Carson

Symposium **ARCHAEOLOGICAL STUDIES OF HUMAN-ENVIRONMENT RELATIONSHIPS, PART II**

Time: 10:30 a.m.–12:00 p.m.

Chair: Diana Carvajal Contreras

Participants: Diana Carvajal Contreras; Sean Desjardins, Scott Rufolo, Shyong En Pan and Jelke Take; Paula Ugalde, Delphine Joly and Calogero Santoro; Autumn Rose, Kitty Emery and Robert Guralnick; Theodore Marks, George Leader, Abi Stone, Rachel Bynoe and Dominic Stratford; Naomi Miller and Chantel White

Symposium **RECENT ADVANCES IN GROUND STONE STUDIES IN THE EASTERN MAYA LOWLANDS**

Time: 11:00 a.m.–12:00 p.m.

Chair: Jon Spenard

Abstract: Used for common daily tasks, particularly food preparation, ground stone was vital to the functioning of precolumbian Maya households, yet it has historically received little archaeological attention. Fueled by new finds from traditional field archaeology and the growing availability and advances in compositional technologies, interest in the topic has blossomed over the past half-decade. As a result, our knowledge of the precolumbian Maya ground stone economy has greatly expanded with scholars learning more about how objects were crafted, where and how raw materials were being acquired, distribution networks, how they signify broader social meanings, and more. The purpose of this session is to bring together scholars investigating all facets of the precolumbian Maya ground stone economy, from raw material acquisition to end of life discard and beyond to discuss their current research projects, results, and visions for future directions of study.

Participants: Meaghan Peuramaki-Brown and Shawn Morton; Tawny Tibbits, Marieka Brouwer Burg and Eleanor Harrison-Buck; Jon Spenard, Michael Mirro, Javier Mai, Konane Martinez and Franklin Quiros; Adam King, Sheldon Skaggs and Terry Powis

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Symposium **ARCHAEOLOGICAL PEDAGOGIES FOR CLASSROOM, FIELD, AND LAB, PART I**

Time: 11:00 a.m.–12:15 p.m.

Chair: Dawn Rutecki

Participants: Jeffery Burton; Katharine Napora, Kristine Schenk and Chris Saunders; Annelou Van Gijn, Jeroen ter Brugge, Diederik Pomstra, Annemieke Verbaas and Lasse van den Dikkenberg; Dawn Rutecki; MacKenzie DiMarco, Carlton Gover and Sarah Hatcher

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Symposium **THE FUTURE OF EDUCATION AND TRAINING IN ARCHAEOLOGY**

Time: 1:00 p.m.–2:45 p.m.

Chair: Alexandra McCleary

Abstract: A common refrain from archaeological employers is that both graduate and undergraduate students lack the key skills and experiences needed to be competitive for the nonacademic job market. Perhaps unwittingly, many university and college programs continue to prioritize learning outcomes with academic careers in mind, and assume all archaeological knowledge and skills are transferrable across the job market. One solution to this widespread problem is to encourage more collaboration between university programs and CRM firms, public institutions, and government agencies. This symposium aims to have a cross-industry dialogue about how we are training students and young professionals, where gaps in our training exist, and how to equitably fill those gaps. Contributors will discuss innovative educational approaches for the future of archaeology, and how to continue to encourage diversity and inclusion in recruitment and education. The symposium will include case studies in techniques for training archaeologists in multiple settings, highlighting examples of successful educational/research partnerships and career pipelines for students.

Participants: Renae Campbell and Mark Warner; Mark Castro, David Bruner and Nick Angeloff; Ben Ford; Albert Gonzalez; Kirsten Vacca; Thomas Whitley

Discussant: Alexandra McCleary

Symposium **DOMESTICATION, EXPLOITATION, AND REVERENCE: STUDIES IN ZOOARCHAEOLOGY, PART I**

Time: 1:00 p.m.–2:45 p.m.

Chair: Sasha Buckser

Participants: McKenna Litynski and Todd Surovell; Laura Motta, Victoria Moses, Jason Kirk, Lael Vetter and Jay Stephens; Sasha Buckser, William Taylor, Karissa Hughes, Fernando Villanea and Courtney Hoffman; Hugh Radde and Weston McCool; Alison MacMillan and Eugène Morin; Ellen Pacheco; Kristine Richter, Roshan Paladugu, Cleia Detry, Cristina Barrocas Dias and Christina Warinner

Forum **CAREER PATHS IN CRM: A DIVERSE JOB MARKET**

Time: 1:00 p.m.–3:00 p.m.

Moderator: Teresa Ingalls

Abstract: Over the next decade career opportunities in cultural resource management are projected to soar, supported by increased spending at the federal level and more openings than applicants. Demand for people with graduate degrees is slated to be double that of folks coming out of university graduate programs. This boon to CRM work is an opportunity for upcoming graduates to enter a robust industry at the ground level. However, many graduates are unclear about what types of career paths are possible. This session is packed full of testimonials from CRM professionals about the paths their careers have taken, and shows a diversity of options including federal, state, and tribal roles in addition to specialist paths in technology, archaeobotany, geophysics, bioarchaeology, and public archaeology. This

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session highlights the range of CRM work out there and intends to provide details around particular paths and advice for upcoming and recent graduates interested in cultural resource management.

Discussants: Karen Brunso; Phil Hodge; Ashley Stewart; Eric Wohlgemuth; Sarah Lowry; Sarah Miller

Sponsored Forum **MOVING ALONG WITH DECOLONIZING ARCHAEOLOGY: UPDATES AND OPEN MEETING**

(Sponsored by the Task Force on Decolonizing Archaeology)

Time: 1:00 p.m.–3:00 p.m.

Moderators: Randall McGuire; Margaret Conkey

Abstract: The SAA Task Force on Decolonizing Archaeology has continued with various activities and with developing recommendations for the SAA Board. We will continue with publishing regular columns in the *SAA Archaeological Record* and continue to seek advice, feedback, and suggestions from the membership. We will present the current members of the task force and will summarize our activities of the past year, what plans we have for the next year, and welcome discussion of issues and ideas.

Discussants: Patricia McAnany; George Nicholas; Patricia Ayala; Michael Wilcox

Poster Session **WHAT'S ON THE MENU? PART III: FAUNAL ANALYSIS**

Time: 1:00 p.m.–3:00 p.m.

Participants: Amelia Jansen; Grace Stanford and Briana Doering; Alexandria Firenzi, Summer Hagerty, Charlie Goggin and Christopher Jazwa; Anna Coppola, Magen Hodapp, Brooke Priest and Chrissina Burke; Robert Kopperl and Eleni Petrou; Xin Yu, Hailin Liu and Chunxue Wang; Lindsey Bouldin; Delia Hoyt, Hannah Lau, Lacey Carpenter and Colin Quinn; Kyra McFarland; Olganydia Plata Aguilera; Spencer Lambert; Svenya Drees, Jason Lewis, Victoria Greening and Ludovic Slimak

Poster Session **HUMAN-ENVIRONMENT INTERACTIONS IN CHANGING CLIMATES**

Time: 1:00 p.m.–3:00 p.m.

Participants: Kai Su and Tristram Kidder; Yitzchak Jaffe, Andrew Womack, Dayna Thomas and Anke Hein; Alexandra Covert; Lauren Jones, Anna Linderholm and Michael Waters; Jeremy Johnson; Savannah Bommarito, Andrea Brunelle, Simon Brewer and Isaac Hart; Steven Hackenberger, Emily LaPlante and Rylee Chadwick; Michael Benedetti, Jonathan Haws and Lukas Friedl; Julia Furlong; Victoria Nuccio, Danielle Riebe and Attila Gyucha; Michiel Kappers, Christina Giovas, Claudia Kraan, Kelsey Lowe and Yoshi Maezumi

Poster Session **PICTURE PERFECT: LANDSCAPE ARCHAEOLOGY**

Time: 1:00 p.m.–3:00 p.m.

Participants: Kimberly Munro; Alesia Hoyle; Troy Lovata; Sarah Sherwood; Eunice Villasenor Iribe; Brendon Murray; Jill Onken, Jessica Munson, Andrés Mejía Ramón and Lorena Paiz; Danielle Silverman; Laurel Diciuccio, Nathan Jereb, Caelie Butler, Alyssa Lorain and Shelby Anderson; Cassandra Keyes, Erin Brown and Stephanie Mack; Sara Reed; Heidi Luchsinger

Poster Session **THE IMPORTANCE OF ETHICAL ARCHAEOLOGY**

Time: 1:00 p.m.–3:00 p.m.

Participants: Jenna Scott and Julie Wesp; Chelsea Colwell-Pasch and Vanessa Sullivan; Alyssa Bader, Aimée Carbaugh, Lauren Hosek and Krystiana Krupa; Ece Erlat; John Pryor and Michael Youngblood; Joshua Wells, Mackenzie Edmonds, Eric Kansa, Sarah Kansa and David Anderson; Curt Carbonell; Andrea Bridges; Dru McGill and Katherine Chiou; Jaxson Haug, McKenzie Alford and Kacy Hollenbeck; Eve Hargrave, Krystiana Krupa, Ryan Clasby and Aimee Carbaugh; Michael Heilen and Shelby Manney; Charlene Collazzi and Rachel Fernandez; Robert Hard, Eva Wikberg, Michael Cepek and June Burke

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Poster Symposium **INNOVATIONS AND TRANSFORMATIONS IN MESOAMERICAN RESEARCH: RECENT AND REVISED INSIGHTS OF ANCESTRAL LIFEWAYS**

Time: 1:00 p.m.–3:00 p.m.

Chairs: Nancy Gonlin; Susan Evans

Abstract: Broad and diverse recent research projects yield new perspectives on Mesoamerica's fundamental evolutionary trends, social stratification, craft production, ideologies, subsistence, and, in general, ancient lifeways. New findings and legacy data contribute to our ongoing knowledge of ancestral Mesoamericans who lived in varied environments and managed landscapes ranging from neotropical forests to mountain habitats. Updated interpretations, novel insights, revised methodologies, and new technologies are presented by contributors. Participants expand our knowledge of materials studies (metallurgy, pigments, pottery analysis), bioarchaeology (dietary isotopes and skeletal analyses), rural and urban comparisons, social organization (through lidar and traditional methods), ritual, ideology, sports, cultural ecological perspectives, and royal palace scandals. Contributions highlight central Mexico, Michoacán, the Maya Lowlands, the Guatemalan highlands, and eastern and western Honduras through various time periods.

Participants: Bradford Andrews; Ryan Collins, Deborah Nichols and Ethan August; Susan Evans; Kirk French; Nancy Gonlin, David Webster and David Reed; Robert Griffin, Kelsey Herndon, Heather Hurst, Franco Rossi and Boris Beltran; Gerardo Gutiérrez; Kenneth Hirth, Susan Hirth, George Hasemann and Gloria Lata-Pinto; Blanca Maldonado, David Larreina, Andres Sanchez, Berenice Pedroza and Luis Velazquez; David Reed; Glenn Storey; Stephen Whittington, Robert Tykot, Karyn Olsen and Fred Longstaffe

Symposium **ARCHAOMETRY AND COMPOSITIONAL ANALYSIS STUDIES, PART II**

Time: 1:00 p.m.–3:00 p.m.

Chair: Elysia Petras

Participants: Suzan Granados; Jordan Thompson; Jay Silverstein, Sean Coughlin, Robert Littman and AbdelRahman Medhat; Daniel Pierce; Kenneth Holyoke and Branden Rizzuto; Elysia Petras; Joshua Henkin and Javier Echeverría; Stephen Czujko, Virginie Renson, Michael Glascock, Maria Verde and Marcus Rautman

Symposium **READING STONE AND SOIL: RECENT STUDIES IN GEOARCHAEOLOGY**

Time: 1:00 p.m.–3:00 p.m.

Chair: Edward Henry

Participants: Stephen Janes; Miriam Belmaker and Omri Barzilai; John Johnson, Thomas Stafford, G. James West, Heather Thakar and Katherine Bradford; Gabrielle Perry, Raymond Mueller, Arthur Joyce and Akira Ichikawa; Edward Henry, Jennifer Kielhofer and Lia Kitteringham; Dana Evaschuk, Keli Watson and Mike Robertson; Joseph Dober, Rachel Cajigas, Alexandre Tokovinine, Aura Barrientos and Francisco Estrada-Belli; Jeffrey Baker

Symposium **IF ANIMALS COULD SPEAK: NEGOTIATING RELATIONAL DYNAMICS BETWEEN HUMANS AND ANIMALS**

Time: 1:00 p.m.–3:15 p.m.

Chairs: Tiyas Bhattacharyya; Sophie Miller

Abstract: A fundamental component to the presence of animal remains within anthropogenic contexts is the underlying potential evidence for interactions and experiences. While there are many methods to examine and reconstruct human-animal interactions, foundationally there are equally as many relational dynamics to consider. The diverse methodological approaches of twenty-first-century archaeology further provide profuse opportunities for us, as scholars, to theorize and explore many contextual,

discursive, and dialectic dynamics of humans and animals from antiquity to the modern day. What cultural meanings were attached to wild animals in antiquity? How can one better evaluate the importance of domestic animals to ancient societies? How can we dialogue with our own anthropocentric biases when we set out to understand ancient pet keeping or transhumance? Are there ways in which we can expand our interpretations to be inclusive of these relational dynamics while recognizing the value of traditional zooarchaeological hypotheses? In this session, a range of spatially and temporally variable research about human-animal relationships—from ancient to modern—is presented, highlighting exciting paradigms, approaches, and examples of how we can thoughtfully, thoroughly, and holistically reconstruct human-animal dynamics within the archaeological record.

Participants: Benjamin Arbuckle; Sophie Miller; Theo Kassebaum; Jacqueline Meier, Thalia Lynn and Kim Shelton; Rande Fladeboe; Tiyas Bhattacharyya; Jo Osborn; Rachel Briggs and Heather Lapham

Symposium **AN EXCHANGE OF IDEAS: RECENT RESEARCH ON MAYA COMMODITIES**

Time: 1:00 p.m.–3:15 p.m.

Chair: J. Gregory Smith

Abstract: This symposium explores recent anthropological research concerning commodities among Maya peoples from Formative times to the historic period, whose production was imposed by colonial powers. We think of commodities in a very general sense: any material item that is intended for exchange. Commodities can range from necessities that everyone needed to luxuries that were only obtained by kings and queens. Commodities can be examined in a number of different ways including their function, raw material source, or labor value. The symposium features a varied set of presenters to examine a wide variety of different commodities and various approaches to their analysis and interpretation. We hope the session appeals to attendees interested in the Maya and also those whose thematic focus deals with ancient commodities.

Participants: M. Kathryn Brown, Jennifer Cochran and Rachel Horowitz; Colleen Hanratty and Thomas Guderjan; Rachel Horowitz, Damien Marken and Damaris Menéndez; Claire Ebert, John Walden, Victor Gonzales Avendano, Rafael Guerra and Jaime Awe; Heather McKillop; Ken Seligson; J. Gregory Smith and Alejandra Alonso Olvera; Jennifer Mathews and Scott Fedick; Brett A. Houk and Brooke Bonorden

Symposium **HEARTHS, EARTH OVENS, AND THE CARBOHYDRATE REVOLUTION: INDIGENOUS SUBSISTENCE STRATEGIES AND COOKING DURING THE TERMINAL PLEISTOCENE AND EARLY HOLOCENE IN NORTH AMERICA**

Time: 1:00 p.m.–3:15 p.m.

Chairs: Charles Koenig; Katelyn McDonough

Abstract: During the Terminal Pleistocene and Early Holocene, Indigenous peoples across North America began to shift their subsistence strategies and implement new cooking technologies to adapt to a changing world. The late Alston Thoms referred to these changes in subsistence strategies as the “Carbohydrate Revolution,” and some of the foremost technological changes were the development of earth ovens and ground stone—both used to process primarily plant resources. There has been substantial archaeological research into this time period in North American history, but much of the research has overlooked cooking and plant processing technologies in favor of hunting and animal processing tools. This symposium brings together case studies from across North America to examine Terminal Pleistocene and Early Holocene Indigenous cooking features and honors the legacy of Alston Thoms.

Participants: Stephen Black; Kandace Hollenbach; Bryon Schroeder; Charles Koenig, Leslie Bush, J. Kevin Hanselka, Chase Mahan and Amanda Castañeda; Crystal Dozier; Stefania Wilks and Lisbeth Louderback; Haden Kingrey, Geoffrey Smith, Dennis Jenkins, Lisa-Marie Shillito and John Blong; Briana Doering, Grace Stanford, Cassandra Dutro and Joshua Reuther; Katelyn McDonough and Madeline Mackie

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Symposium **ON DISCIPLINARY CULTURE: CHALLENGING TRADITIONAL POWER AND KNOWLEDGE STRUCTURES WITHIN ARCHAEOLOGY, PART II**

Time: 1:00 p.m.–3:30 p.m.

Chair: Danny Sosa Aguilar

Participants: Michael D'Aprix; Laurie Rush; Pierre Desrosiers, Doug Odjick, Merv Sarazin, Ian Badgley and Lyle Anderson; Danny Sosa Aguilar and Felicia De Peña; Sarah Hinkelman and Robert Cook; Nathan Klembara; Anna Coon and Julia Furlong; Manek Kolhatkar; Marianne Sallum and Julieta Flores-Muñoz; Charlotte Williams

Symposium **MATERIALITY OF MEANINGS AND AESTHETICS: ART AND CRAFT IN THE ARCHAEOLOGICAL RECORD, PART I**

Time: 1:00 p.m.–3:30 p.m.

Chair: Annabeth Headrick

Participants: James Meierhoff; David Yoder; Annabeth Headrick; Jacob Lozano; Karime Castillo; Ryohei Takatsuchi, Karina López Hernández and Víctor Cortés Meléndez; Maline Werness-Rude; Kaylee Spencer; Danielle Buffa, George Manahira, Zafy Maharesy Chrisostome, Felicia Fenomanana and Kristina Douglass; Lorraine Williams-Beck

Symposium **BEYOND LEAKY PIPELINES: EXPLORING GENDER INEQUALITIES IN ARCHAEOLOGICAL PRACTICE**

Time: 1:00 p.m.–3:45 p.m.

Chairs: Sarah Kurnick; Samantha Fladd

Abstract: Numerous recent studies have demonstrated that an increase in the number of women with PhDs in anthropological archaeology has not substantially altered the percentage of women submitting senior NSF grants, publishing their research in peer-reviewed journals, or engaging in other prestigious academic activities. This session has two primary goals. First, it aims to continue documenting gender inequalities in archaeological practice by exploring a wider range of scholarly activities than is traditionally considered and with an explicit focus on questions of labor and prestige. Is there relative gender parity in the authors included in syllabi for archaeological courses, and who is doing the work to achieve better representation? How do intersectional identities differentially affect women in the field of archaeology? Second, this session aims to move beyond documentation to help explain why gender inequalities persist and how they might be ameliorated. Should scholars, for instance, critically examine often taken for granted notions, such as fit and prestige, that may unintentionally perpetuate exclusion? Or, should researchers attempt to articulate the subtle yet active ways in which inequality is enacted, such as gender devaluation and performative informality? Participants are encouraged to adopt new and innovative perspectives on a stubborn and persistent problem.

Participants: Sarah Kurnick and Samantha Fladd; Jessica MacLellan; Adriana De León, Jocelyne Ponce and Luisa Galo; Laura Heath-Stout; Kelsey Hoppes, Sarah Kurnick and Samantha Fladd; Nala Williams; Katelyn Bishop, Samantha Fladd and Sarah Kurnick; Carito Tavera-Medina; Scott Hutson, Bruno Athie Teruel, Rodolfo Canto Carrillo and Jaycee Castro; Sarah Simeonoff, Marie Matsuda and Breeanna Charolla; Samantha Fladd, Sarah Kurnick and Katelyn Bishop

Symposium **ONE IF BY LAND, TWO IF BY SEA: UNDERWATER, ISLAND, AND SHORELINE ARCHAEOLOGIES, PART II**

Time: 1:00 p.m.–3:45 p.m.

Chair: L. Antonio Curet

Participants: L. Antonio Curet and Jorge Estevez; Alan Simmons; Carola Flores-Fernandez, Gabriela Covarrubias and Felipe Rivera; Trevor Gittelhough; Katherine Woo; Katharine Reinhart, Alexander

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Patterson and David Landon; Michelle Gray; Kristin Hoppa; Amy Borgens; Daniel Shoup and Molly Fierer-Donaldson; E. James Dixon

Symposium **CORPOREAL CONCERNS: STUDIES IN BIOARCHAEOLOGY AND BODY MODIFICATION, PART I**

Time: 1:00 p.m.–3:45 p.m.

Chair: Brooke Creager

Participants: Derek Hamilton, Kerry Sayle and Katharine Steinke; Rachel Witt, Gabriel Prieto, John Verano and Alan Chachapoyas; Katharine Woollen and Jennifer F. Byrnes; Brooke Creager; Sarah Hall, Claudia Rojas-Sepúlveda and Kelly Knudson; Hannah Koon and Mandi Curtis; Benjamin Schaefer, Gabriel Prieto, John Verano and Michael Colton; Genesis Torres Morales, Celeste Gagnon, Gabriel Prieto and John Verano; Angelina Locker; Shannon Monroe, Sören Stark and Sirodj Mirzaakhmedov; Kirsten Mink, Antonio Beardall, Victoria Izzo and Jaime Awe

Sponsored Symposium **THE EXPANDING BAYESIAN REVOLUTION IN ARCHAEOLOGY**

(Sponsored by SAA QUANTARCH: Quantitative Methods & Statistical Computing in Archaeology Interest group)

Time: 1:00 p.m.–4:00 p.m.

Chairs: Erik Otárola-Castillo; Jesse Wolfhagen

Abstract: Over the past three decades, archaeologists have become familiar with Bayesian inference's role in calibrating and modeling radiocarbon dates. The benefits of the Bayesian statistical paradigm, driven by straightforward software applications, have led to its association with radiocarbon calibration and chronology construction. However, Bayesian statistical inference may be applied more broadly to evaluate hypotheses. Archaeologists can and do apply Bayesian methods to answer diverse questions across different subjects and specialties. This symposium highlights Bayesian inference in archaeological research that includes and goes beyond calibrating radiocarbon dates and chronological applications. Beyond showcasing the broad variation of archaeological research questions answered by Bayesian inference, this symposium brings researchers together to chart a path forward to expand the training and use of the Bayesian paradigm in archaeology.

Participants: Erin Baxter, Steve Nash, Michele Koons and Erick Robinson; Deborah Leishman and Jean Pike; Jesse Wolfhagen; Benjamin Utting; Erik Otárola-Castillo, Melissa Torquato, Jesse Wolfhagen and Matthew E. Hill; Nicolas Gauthier; Melissa Torquato; Jonathan Paige and Charles Perreault; Trevor Keevil, Melissa Torquato, Sarah Coon, Daniel Joyce and Erik Otárola-Castillo; Marcus Hamilton

Discussants: Jesse Wolfhagen; Erik Otárola-Castillo

Symposium **COLLABORATIVE AND COMMUNITY ARCHAEOLOGY**

Time: 1:00 p.m.–4:00 p.m.

Chair: Charles Bello

Abstract: Collaborative and Community Engaged Scholarship (CES) is an important topic in our profession, encompassing a growing diversity of activities. We continue nine years of discussing issues and best CES practices in archaeology. This session displays a commitment to conducting research and historic preservation in effective partnership with multiple stakeholders as a matter of fairness, ethics, and as a way to create and co-create robust and useful final products. Archaeological projects affect Indigenous peoples, local residents, and descendant communities in many ways. These groups often have relatively little input into what “others” say about, or do with, their heritage. We advance inclusive, community-engaged scholarship that is co-created with relevant communities. The goal of this session and many of the projects discussed is to use community involvement and participation as a way not only to give a voice to groups that have been essentially voiceless but to empower all stakeholders—

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especially on projects that involve “multiple pasts.” We discuss the various types of CES as defined by Doberneck, Glass and Schweitzer (2010) including Research and Creative Activities, Teaching and Learning, Service and Practice, and Commercialized Activities. We also discuss trajectories of developing relationships and projects that can become respectful, useful, and productive CES.

Participants: Charles Bello; Suzie Thomas and Anna Wessman; Carolyn Dillian; Howard Higgins, Brenda Ireland and Sandra Marian; Kevin Nolan, Talon Silverhorn, Glenna Wallace, Joseph Blanchard and Garet Couch; Bonnie Pitblado, Delaney Cooley, Horvey Palacios, Bobi Deere and Kaylyn Moore; Rebecca Hawkins, Krystiana Krupa and Jayne-Leigh Thomas; Emily Dean; Ronald Maldonado
Discussants: Wei Chu; Howard Higgins

Symposium **DEEPENING ARCHAEOLOGY’S ENGAGEMENT WITH BLACK STUDIES**

Time: 1:00 p.m.–4:00 p.m.

Chairs: Matthew Greer; Suzanne Spencer-Wood

Abstract: Cultural anthropologist Savannah Shange (2019:7, 10) writes that because Black Studies scholars “work largely in the fields of English, history, and film studies, we don’t know much about how their interventions map onto blackness as lived and loved on a daily basis.” This, she argues, creates a space for anthropology to serve as a critical branch of Black Studies, as our work can often account for “the daily practices that facilitate Black” lives in ways that other disciplines cannot. Following Shange’s lead, this session explores the intersection of archaeology and Black Studies in three areas: (1) what archaeological case studies on the materiality of everyday lives can contribute to Black Studies; (2) how can archaeologists apply Black Studies theories (such as Black feminist theory or the work of Saidiya Hartman) to our work on the Black diaspora and beyond; and (3) what a deeper engagement with Black Studies would mean for archaeological methods and theories.

Participants: Matthew Greer; Flordeliz Bugarin; Jennifer Saunders; Emily Draicchio; Kathryn Deeley; C. Broughton Anderson; Anna Agbe-Davies; Danielle Cathcart and Suzanne Spencer-Wood; Suzanne Spencer-Wood; Stefan Woehlke; Kathleen Sterling

Symposium **A DECADE OF MULTIDISCIPLINARY RESEARCH AT CASTILLO DE HUARMHEY, PERU**

Time: 1:00 p.m.–4:00 p.m.

Chairs: Milosz Giersz; Weronika Tomczyk; Patrycja Prządka-Giersz

Abstract: Since 2010, an international team of scholars has performed multidisciplinary research at Castillo de Huarmey, a Middle Horizon (AD 650–1050) coastal provincial center and Wari necropolis, where an imperial mausoleum with the first undisturbed Wari high-status women’s tomb and other elite burials was discovered. Using a broad methodological spectrum, including bioarchaeological, zooarchaeological, and biogeochemical analyses, alongside archaeometry, geoarchaeology, 3D HDS scanning, and architectural analysis, the archaeologists have brought to light a Middle Horizon cultural panorama and the nature and chronology of Wari imperial presence in this northwestern province. As a part of a commemoration of the 10th anniversary of the aforementioned discovery, this session will focus on the ideological impact, material footprint, Wari’s ancestor worship, and the links between gender and power that can be observed in the burials and public architecture from this unique precolumbian archaeological site.

Participants: Julia Chyla; Milosz Giersz, Alan Hogg and Branden Cesare Rizzuto; Patrycja Prządka-Giersz; Roberto Pimentel Nita; Emanuela Rudnicka; Patricia Knobloch, Milosz Giersz, Brandi Lee MacDonald and Michael Glascock; Krzysztof Makowski; Wiesław Wieckowski; Monika Lis
Discussants: Weronika Tomczyk; Milosz Giersz

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Symposium **MORE THAN JUST NUTRITION: FOODWAYS, PLANTSCAPES, AND COMMUNITY**

Time: 1:00 p.m.–4:00 p.m.

Chair: Harper Dine

Participants: Susan Kooiman and Rebecca Albert; Julia Sponholtz; Gabriela Ruiz Vélez; Ferran Cabrero-Miret; Mark Schurr, Madeleine McLeester and Terrance Martin; Victoria Newhall, Amber VanDerwarker and Christopher Pool; Richard Edwards; Esteban Herrera-Parra, Melanie Pugliese and Shanti Morell-Hart; Elizabeth Dresser-Kluchman; Elspeth Geiger; Lisbeth Louderback, Bruce Pavlik, Alfonso del Rio and John Bamberg; Harper Dine and Steph Miller

Symposium **ADVANCES AND NEW PERSPECTIVES IN CENTRAL ASIAN ARCHAEOLOGY**

Time: 1:00 p.m.–4:15 p.m.

Chairs: Catherine Klesner; Ann Merkle

Abstract: This symposium brings together researchers who focus on the wider Central Asian space, including the five post-Soviet Central Asian states (Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan), Afghanistan, Azerbaijan, Iran, Xinjiang, and Mongolia, as well as the Volga-Ural region to discuss current approaches and questions in Central Asian archaeology. By addressing a wide range of topics that are relevant to Central Asia, we aim not only to connect scholars working across Central Asia but also highlight the work of new researchers and methodologies being employed in archaeological research in the region. We welcome papers that approach Central Asian archaeology from a variety of perspectives and methodologies that focus on archaeological research from across all periods of our human past.

Participants: Emily Coco and Talgat Mamirov; Traci Billings; Zhuldyz Tashmanbetova, Paula Doumani Dupuy and Aidyn Zhuniskhanov; Claudia Chang, Sergey Ivanov and Perry Tourtellotte; Alisher Begmatov, Tomoyuki Usami and Husniddin Rahmonov; Mariana Castro; Paula Dupuy, Elissa Bullion, Galymzhan Kiyasbek, Erbolat Rakhmankulov and Aidyn Zhuniskhanov; Karen Rubinson and Kathryn Linduff; Zachary Silvia; Ann Merkle; Catherine Klesner

Discussant: Sören Stark

Symposium **TO HAVE AND HAVE NOT: A PROGRESS REPORT ON THE GLOBAL DYNAMICS OF WEALTH INEQUALITY (GINI) PROJECT**

Time: 1:00 p.m.–4:45 p.m.

Chairs: Tim Kohler; Jessica Munson; Amy Thompson

Abstract: Archaeologists can provide long-term perspectives and foundational background on pressing global problems and generate analyses using frameworks that unify the past and the present. Here we consider how past (and current) societies experience and respond to wealth differences, and the consequences of those choices. The GINI Project, sponsored by the Coalition for Archaeological Synthesis, managed through the Center for Collaborative Synthesis, and funded by NSF, is a coalition of researchers investigating the dynamics of wealth inequality in a rigorous and repeatable way, making comparisons across regions and through time to isolate factors associated with variable levels of wealth difference. Our chief measures of wealth inequality are Gini coefficients calculated across sizes of contemporaneous houses from a dozen world regions. Coalition members will present new findings based on their regional expertise, describing trends in household wealth inequality, and exploring the relationships between wealth inequality, political power, violence, structures of governance, and other factors. We also address methodological issues associated with the Gini index to characterize its performance in ethnohistorically known and contemporaneous western societies. We will demonstrate the power and productivity of a new model for archaeological collaboration that can contribute to addressing fundamental questions about wealth distribution in human societies.

Participants: Adam Green, Iqtedar Alam, Claudette Lopez and Cameron Petrie; Pablo Cruz, Valeria Franco, Jordi López Lillo and Julián Salazar; Enrico Crema and Charles Simmons; Amy Thompson and

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Gary Feinman; Tim Kerig; Jessica Munson, Andrés Mejía Ramón, Lorena Paiz, Jill Onken and Jonathan Scholnick; Dan Lawrence, Valentina Tumolo and Pertev Basri; Benjamin Steere, Jennifer Birch, Claire Auerbach, Marcie Demyan and Alina Karapandzich; Mark McCoy; Paul Roscoe; Tim Kohler and Amy Bogaard

Discussants: Scott Ortman; Mary Shenk; Michael Smith

Symposium **OUTREACH AND EDUCATION: EXAMPLES OF APPROACHES AND STRATEGIES FROM THE PACIFIC NORTHWEST**

Time: 1:00 p.m.–5:00 p.m.

Chair: Kendra Maroney

Abstract: Public outreach and education are carried out across our profession to meet different needs and goals. How do different organizations approach this important work? What can we learn from each other to better serve our missions and build community and support from the public? This session will host representatives from Tribes, state and federal agencies, museums, universities, and CRM firms from throughout the Pacific Northwest who will share recent examples of public outreach and education projects, including in-person informational booths and hands-on activities, interpretive displays, informational packets and handouts, workshops or presentations, social media and digital opportunities, and creative adaptations due to the recent pandemic. This symposium supports the larger efforts within public outreach to develop “best practices” and in turn should encourage more attention to this critical branch of archaeology. Finally, the session provides an opportunity for presenters and the audience to build community as we celebrate and reflect on past and ongoing projects.

Participants: Jamie Litzkow; Dennis Lewarch; Jason Cooper; Fumi Arakawa, Sara Harper, Robin Chistofani, Carly Johnston and Nathan Craig; Jenna Peterson and Kendra Maroney; Laura Evilsizer; Leah Evans-Janke; Laura Phillips; Jeanne Moe; Alicia Beat; Christopher Bailey; John Pouley; Kendra Maroney; Kelly Bush and Julia Furlong

Forum **NUMU; NEME; NEWE; WAŠI•ŠIW: TEEPU COLLABORATIVE AND DECOLONIAL ARCHAEOLOGY: FORGING NEW PATHS AND ALLIANCES IN THE GREAT BASIN**

Time: 3:00 p.m.–5:00 p.m.

Moderators: Sarah Cowie; Diane Teeman

Abstract: Indigenous Tribes of the western Great Basin of the United States are gaining momentum in achieving greater involvement in every aspect of proposed archaeological research conducted in their homelands. Great Basin archaeological assemblages include well-preserved cultural materials dating back more than 15,000 BP. Excavations in the Great Basin are typically conducted without the meaningful involvement of and/or consent of affiliated Indigenous communities. While tribes often have moral responsibilities to protect their Ancestors and associated material culture, colonialism has led to them rarely having legal authority for such protection. Who has or ought to have authority to represent the cultural past of tribal communities? Who speaks, or should have authority to speak for the treatment of excavated tribal material culture? What ultimately becomes, or should ultimately become of excavated tribal material culture? Further dialogue is needed in consideration of an ethically responsible archaeology for the future. In working toward greater cross-cultural collaboration, the table must be set broadly to include a spectrum of voices. Our session examines case studies and topics including collaborative Indigenous field schools held in Malheur County, Oregon, and Carson City, Nevada, as well examples of how collaboration and decolonial efforts bring about advancements in archaeology more broadly.

Discussants: Michon Eben; Ted Howard; Myra Johnson; Rosie Tom; Christina McSherry; Marissa Weaselboy

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Symposium **FROM THE MATERIAL VESTIGES OF DAILY LIFE: ARCHAEOLOGIES OF THE HOUSEHOLD, PART I**

Time: 3:00 p.m.–5:00 p.m.

Chair: Meghan Caves

Participants: Gerad Smith; Jesse Brown; JayCee Hollingshead; Matthew Longstaffe, Kathryn Reese-Taylor, Armando Anaya Hernández and Felix Kupprat; Christina Rieth; Meghan Caves; Kelsey Sullivan and Kenichiro Tsukamoto; Ross Harper and Katharine Reinhart

Symposium **ARCHAEOLOGY FROM WESTERN NORTH AMERICA**

Time: 3:15 p.m.–5:00 p.m.

Chair: Loren Davis

Abstract: Western North America is a geographically diverse region with an equally rich precontact record of indigenous cultures. This session is intended to provide a general geographically themed forum for the discussion of recent archaeological research.

Participants: Gabrielle McPherson; Melissa Ghergich; Zachary Newell; Kirsten Paulson; Samantha Stone and Loren Davis; Stacy Scott; Molly Kirkpatrick

Symposium **CHECKING THE PULSE: CURRENT RESEARCH IN OAXACA, PART II**

Time: 3:15 p.m.–5:00 p.m.

Chair: Pedro Ramon Celis

Abstract: For this year's symposium, *Diálogos en Oaxaca Archaeology* brings together Mexican and American archaeologists to discuss their ongoing research. We are “checking the pulse,” so to speak, on current research in Oaxaca. Presenters will discuss their projects in all stages of investigation: what they are discovering, what results are coming out of their current projects, what conclusions they are reaching, or even what questions they are considering tackling next. Oftentimes, it can be hard for researchers to keep up with all the investigations going on in their geographic areas of study, especially when we are located at different universities, institutions, and even countries. This can be especially difficult when dealing with transnational research where scholarly communities are divided by distance and other political and social boundaries. By checking in with each other, we aim to encourage further communication and hopefully generate greater collaboration between archaeologists who share a common goal—recording and preserving Oaxaca's ancient history for future generations.

Participants: Victor Emmanuel Salazar Chávez and Jeffrey Blomster; Rebecca Sigafos, Jeffrey Blomster and Victor Salazar Chávez; Lacey Carpenter and Leah Minc; Marijke Stoll; Jeffrey Brzezinski

Discussants: Sarah Barber; Marijke Stoll

Symposium **LIMINAL SPACES AND EXCEPTIONAL PRESERVATION: ARCHAEOLOGICAL INVESTIGATIONS OF CAVES, CAVERNS, AND ROCKSHELTERS**

Time: 3:15 p.m.–5:00 p.m.

Chair: William Jerrems

Participants: Renee Bonzani, Michael Steenken, Jon Endonino, Michael Detisch and Hugo Reyes-Centeno; Otar Berikashvili; Ashley Eyeington; César Méndez and Amalia Nuevo-Delaunay; J. M. Adovasio; Arlys Nicolás Batalla, Astolfo Araujo, Mercedes Okumura and Casimiro Munita; William Jerrems

Symposium **ARCHAEOLOGY HISTORY AND THEORY**

Time: 3:15 p.m.–5:00 p.m.

Chair: Kacy Hollenback

Participants: Daniel LaDu; Trace Fleeman Garcia; Christina Torres; Joseph Wayman; Leslie Sesler; Kacy Hollenback and Sarah Trabert; Nomaan Hasan

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Symposium **ARCHAEOLOGICAL STUDIES OF LITHICS, PART II**

Time: 3:30 p.m.–5:00 p.m.

Chair: Andrea Picin

Participants: Scott Byram, Kent Lightfoot and Jun Sunseri; Andrea Picin, Katarzyna Kerneder-Gubala, Damian Stefanski and Sahra Talamo; Edgar Carpio; Gayoung Park, Marlize Lombard, Ben Marwick and Donghee Chong; Nathan Parrott, Armando Anaya Hernández and Kathryn Reese-Taylor; Caitlin Doherty

Symposium **ARCHAEOLOGICAL STUDIES OF HUMAN-ENVIRONMENT RELATIONSHIPS, PART III**

Time: 3:30 p.m.–5:00 p.m.

Chair: Paul Buckner

Participants: Elie Pinta and Claudia Baittinger; Grant Snitker, Sean Bergin, Jonathan Paige and Anna Jansson; Myrtle Shock, Claide Paula Moraes and Manoel Fabiano Silva Santos; Paul Buckner; Caitlyn Bailey and Jacob Fisher; Lydie Dussol, Kenneth Hirth and Timothy Scheffler

Symposium **ARCHAEOLOGICAL PEDAGOGIES FOR CLASSROOM, FIELD, AND LAB, PART II**

Time: 3:30 p.m.–5:00 p.m.

Chair: Shannon Hodge

Participants: Samantha Taylor, Sarah Lowry and Benjamin Porter; Mikaela Razo and Marissa Muñoz; Caitlin Curtis, Peter Cobb, Ani Avagyan and Gohar Hovakimyan; Fiona Koehnen and Kelly Bush; Shannon Hodge; Carol Colaninno, Emily Beahm, Carl Drexler, Shawn Lambert and Cassidy Rayburn

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Symposium **ARCHAEOLOGY AND INDIGENOUS ISSUES IN HOKKAIDO ISLAND, JAPAN**

Time: 8:00 a.m.–9:15 a.m.

Chair: Carol Ellick

Abstract: While many advances have been made in Japan with regard to the recognition of the Ainu as the Indigenous people of Japan, there remains much to be done in decolonizing the practice of archaeology and increasing community-based and Indigenous archaeological practice. This session presents a spectrum of topics related to decolonizing research practices around the Ainu on the island of Hokkaido, Japan. These include a call for understanding the origin of place names and the important role that archaeological and anthropological research can play in helping reestablish ties to place, concepts of heritage to the Ainu peoples with regard to aspects of tangible and intangible cultural history and the protection of archaeological sites, and a reporting on the alternative 2022 international field school.

Participants: Hirofumi Kato; Joe Watkins; George Nicholas; Carol Ellick

Discussant: William Fitzhugh

Symposium **ARCHAEOLOGICAL STUDIES OF LITHICS, PART III**

Time: 8:00 a.m.–9:30 a.m.

Chair: Cynthia Hannold

Participants: Venice Jakowchuk; Amy Reid; Phyllis Johnson; Cynthia Hannold, Aura Barrientos, Alexandre Tokovinine and Francisco Estrada-Belli; Alana Pengilley and Fred Valdez Jr.; Allan Maca

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Symposium **AT THE INTERSECTIONS OF COMMUNITY, REGULATION, AND DEVELOPMENT: CONVERSATIONS IN HISTORIC PRESERVATION AND MANAGEMENT, PART I**

Time: 8:00 a.m.–9:45 a.m.

Chair: Andrea Shiverdecker

Participants: Autumn Cool; Matthew Podolinsky and Elizabeth Hora; Ryan Seidemann and Christine Halling; Andrea Shiverdecker; Kelsey Maloy; Raveena Manhas-Tamoria, Estelle Praet and John Schofield; Jon Krier, Christopher Ruiz and Marlene Jampolsky

Forum **REGIMES OF THE ANCIENT MAYA: THE FORUM**

Time: 8:00 a.m.–10:00 a.m.

Moderators: Maxime Lamoureux-St-Hilaire; Marcello Canuto

Abstract: In this forum and its accompanying symposium, we seek to open the black box of “the ancient Maya polity” by investigating diverse expressions of Maya political organization. In the study of ancient Maya political organization, the traditional and homogenizing concept of the Maya polity is largely ahistorical and ideological, reflecting primarily a bounded political unit recognized from within and without. We argue that the concept of regimes is better suited for studying how ancient Maya communities constructed, distributed, and legitimated political power. By investigating many variable yet coherent political practices, we seek to better understand the mosaic of “political communities” which characterized the ancient Maya world at distinct times in its long history. Our dual “Regimes” symposium and forum assemble scholars working across most of the Maya world and studying periods ranging from the Early Classic to the Late Postclassic.

Discussants: Felix Kupprat; Gyles Iannone; Antonia Foias; Simon Martin; Iyaxel Cojti-Ren; Ellen Bell; Arlen Chase; Marc Zender; Francisco Estrada-Belli; Jason Yaeger; Arthur Demarest

Forum **SO YOU WANT TO BE AN ARCHAEOLOGIST: HOW TO GET FROM THE CLASSROOM TO THE PROFESSION**

Time: 8:00 a.m.–10:00 a.m.

Moderators: Kimball Banks; Jennifer Lapp; David Witt

Abstract: Archaeology is changing. Technological advances, emerging social issues, and changes in cultural resource management and the legal framework governing it are drastically changing how archaeology is practiced. Coupled with monies for infrastructure, the result is expanded employment opportunities, most of which are in cultural resource management and outside academia. Unfortunately, opportunities in cultural resource management require skills that many departments do not offer. Consequently, students entering the profession, especially in cultural resource management, need to understand the demands of these opportunities and what they need to know to transition from being a graduate student to a professional. This forum brings together professionals representing different aspects of the discipline to discuss where the profession is today, career tracks, and the skill sets needed to launch and advance their career. The forum is aimed at those who have recently received or are about to receive their degree and are trying to transition into the profession.

Discussants: David Witt; Jennifer Lapp; Kristy Primeau; Josh Torres; Charles Bello; Karin Larkin; Rebecca Hawkins; John Martin; Richard Grubb

Forum **ARCHAEOLOGY AND CLIMATE JUSTICE: AN ACTION-ORIENTED INTERDISCIPLINARY RESPONSE**

Time: 8:00 a.m.–10:00 a.m.

Moderators: Meryl Shriver-Rice; Sara Ayers-Rigsby

Abstract: Climate change is a multigenerational issue, exponentially destroying safety and security for future human generations and globally interconnected ecosystems. Research has demonstrated that the

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impacts of climate change will continue to disproportionately impact historically marginalized communities. Evidence of a prior or current community's existence will be wiped away by flooding, fires, and poorly conceived infrastructural improvements. What can archaeologists do in the face of this destruction? In this action-oriented forum, we will examine how archaeology can serve as a rallying cry in the face of sea-level rise, heightened wildfires, and violent storms. As archaeological sites (both Indigenous and historic), unmarked or underfunded cemeteries, and historically marginalized communities are destroyed or erased by the effects of climate destabilization, how can we use this destruction to raise awareness about the existence and importance of the past? Forum speakers will detail their experiences confronting the intersection of climate change and marginalization, through case studies and personal experience. The goal of this forum is to galvanize the profession into action-oriented interdisciplinary response. How are archaeologists leveraging their positions to bring visibility and develop interventions to combat this inequitable cultural erasure?

Discussants: Lori Lee; Karen Herrero-Backe; Isabel Rivera-Collazo; Michael Newland

Symposium **DEVELOPING PALEOLITHIC EXCAVATION METHODS FOR THE TWENTY-FIRST CENTURY**

Time: 8:00 a.m.–10:00 a.m.

Chairs: Wei Chu; Marie Soressi

Abstract: The excavation of sites and their constituent artifacts are the main way in which primary archaeological data is produced. Despite the development of new analytical tools in the last two decades, excavation procedures, routines, and techniques remain comparatively unchanged. This is partly because new excavation methods are often regionally segregated and isolated by subdiscipline. It is therefore necessary to periodically appraise and synthesize methodological improvements across the discipline. This symposium aims to disseminate and foster new excavation developments by bringing together field archaeologists to share methodological advances and reflect on current excavation practices. Touching on topics ranging from sampling, plotting, visualization, photogrammetry, taphonomy, and preservation, our objective is to evaluate the progress in excavation practices over the past 20 years. In doing so, we hope to create a forum for field archaeologists across subdisciplines to share how to record excavation data more accurately and efficiently.

Participants: Fei Peng; Gerrit Dusseldorp, Hans Huisman, Panagiotis Karkanas, Femke Reidsma and Irini Sifogeorgaki; Marcel Kornfeld; Marie Soressi, Vera Aldeias, Wei Chu, Leonardo Carmignani and Igor Djakovic; Benjamin Davies and Jessica Thompson; Jessica Thompson and Benjamin Davies

Discussants: Nicholas Conard; Samantha Porter

Symposium **EXAMINING VIOLENCE, WARFARE, AND COERCION THROUGH SPACE AND MATERIAL CULTURE, PART I**

Time: 8:00 a.m.–10:00 a.m.

Chair: Garrett Silliman

Participants: Mary Farrell and Nancy Ukai; Thomas Snyder and Randy Haas; John Verano, Khrystyne Tschinkel, Helen Chavarria and Gabriel Prieto; Garrett Silliman; Paul Nick Kardulias and Drosos Kardulias; Sarah McDaniel and Michelle Stegner; Jon Carroll; Mark Sanders and Phyllisa Eisentraut

Symposium **CONSIDERING CERAMICS: TECHNOLOGICAL, ECONOMIC, AND SOCIOCULTURAL APPROACHES, PART I**

Time: 8:00 a.m.–10:00 a.m.

Chair: Thatcher Seltzer-Rogers

Participants: Thatcher Seltzer-Rogers; Aslan Gasimov; Victoria Priola and António Valera; Jou-chun Lu; David Doyel; Daniel Perez; Jessica Smeeks; Györgyi Parditka

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Symposium **ATTENDING TO THE DEAD: STUDIES IN MORTUARY ARCHAEOLOGY, PART I**

Time: 8:00 a.m.–10:00 a.m.

Chair: Shawn Patch

Participants: Jessica Rothwell, Anna Alexandropoulou and Jane Buikstra; Shawn Patch; Nicole Slovak, Brittany Ricketts, Christopher Philipp, Stacy Drake and Patrick Ryan Williams; Melissa Burham and Juan Manuel Palomo; Kaleigh Best, Jessica Spencer and Mark Wagner; Rosa Flores Ramírez and Andrés Saúl Alcántara Salinas; Agustina Vazquez Fiorani, Ian Kuijt and Meredith Chesson; John Schweikart

Symposium **ADNA RESEARCH IN ARCHAEOLOGY AND FOR ARCHAEOLOGICAL APPLICATION**

Time: 8:00 a.m.–10:15 a.m.

Chair: Meradeth Snow

Participants: Kevin Wann; Robert Stark and Kendra Sirak; Meradeth Snow, Michael Searcy, Jakob Sedig and Jose Luis Punzo; Yuka Shichiza, Katsunori Takase, Hiroshi Ushiro, Thomas Royle and Dongya Yang; Horvey Palacios, Tanvi Honap, Douglas Kennett, Keith Prufer and Cecil Lewis Jr.; Tammy Buonasera, Jelmer Eerkens, Brian Byrd, Monica Arellano and Glendon Parker; Eszter Bánffy; Nathalie Suarez Gonzalez, Gontran Sonet and Peter Eeckhout; Sarah Johnson, Tanvi Honap, Cara Monroe, Marc Levine and Cecil Lewis

Symposium **HUMBLE HOUSES TO MAGNIFICENT MONUMENTS: PAPERS IN HONOR OF JERRY D. MOORE**

Time: 8:00 a.m.–12:00 p.m.

Chairs: Alicia Boswell; Elizabeth Klarich; Jason Toohey

Abstract: Dr. Jerry Moore is one of the most geographically and thematically prolific and influential anthropological archaeologists of his generation. His research has spanned from the foraging and subsequent historical societies of Baja California and the western United States, to the prehispanic households and empires of coastal Peru. Perhaps his most influential contributions have explored the lived experience of the built environment—ranging from monumental architecture to everyday houses. In the course of his career, Moore has written more than 35 articles and published seven books, including a widely used textbook on anthropological theories, no small feat for a field archaeologist. This research has inspired archaeologists working in many regions to think about public spaces and domestic places in novel ways. He is also widely recognized for his selfless service to the Institute of Andean Studies and other professional organizations and active mentorship of undergraduate and graduate students. Jerry's productivity and friendship have inspired many of us to read more, write more, and think more broadly. Session participants, his peers and mentees working across the Americas, present a wide range of research informed and inspired by Dr. Moore's own work.

Participants: Janine Gasco; Jean Pickard; Matthew Des Lauriers; Michael Mathiowetz; Maria Belen Mendez Bauer and Takeshi Inomata; Carolina Vilchez Carrasco; Alicia Boswell and Carol Mackey; Seth Price and Carlos Zapata Benites; Jason Toohey; Scott Smith, Elizabeth Klarich and Andrew Roddick; Steve Kosiba

Discussants: Brian Billman; Christine A. Hastorf; Charles Stanish; Jerry Moore

Symposium **ARCHAEOLOGICAL SCIENCE AND AFRICAN ARCHAEOLOGY: APPRECIATING THE IMPACT OF DAVID KILLICK**

Time: 8:00 a.m.–12:00 p.m.

Chair: Thomas Fenn

Abstract: For the past 30-plus years, David Killick has been a key figure contributing to two principal areas of archaeology: (1) the development, expansion, and advancement of archaeological science; and (2) the advancement of knowledge in African Archaeology through the application of archaeological

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science. His contributions to each are noteworthy, and while his earlier research focused mainly on Africa and archaeometallurgy, more recent work has focused on ceramic petrography and various isotopic provenance studies of archaeological materials worldwide. He has been at the forefront of transforming both areas of research, including being the initiator and key figure of the hugely successful NSF-funded IGERT program at the University of Arizona between 2003 and 2008. This project produced 30 PhDs employing archaeological science in their research, many of whom are here today. In this symposium, his students, colleagues, and collaborators share contributions inspired by or undertaken with David in studies of ancient technology, archaeological science globally, ceramic petrography, provenance studies of archaeological materials, theoretical development, and archaeological science in Africa.

Participants: Sarah Cowie; Scarlett Chiu, Christophe Sand, Yuyin Su and David Killick; Matthew Pailles; John Welch, Emma Britton, April Oga, Brandi MacDonald and Fred Nials; Susan Mentzer, Ivo Verheijen, Britt Starkovich, Jordi Serangeli and Nicholas Conard; Judith Sealy; Noreen Tuross; Jay Stephens, Wayne Powell, Ryan Mathur and David Killick; Ella Brewer-Jensen, Thomas Fenn, Lekha Sripathi, Jeffrey Fleischer and Stephanie Wynne-Jones; Nathaniel Erb-Satullo; Gwenael Herve, Caroline Robion-Brunner, Giorgia Ricci, Emmanuelle Delque-Kolic and Didier N'Dah; Philip De Barros; Dana Drake Rosenstein; Vincent Serneels; David Wright

Symposium **PROVISIONING ANCIENT MAYA CITIES: MODELING FOOD PRODUCTION AND LAND USE IN TROPICAL URBAN ENVIRONMENTS**

Time: 8:00 a.m.–12:00 p.m.

Chairs: Justin Tran; Sherman Horn

Abstract: Discussions of Maya agriculture and its relationship to population have followed a pendulum arc over the past century. Site mapping projects and regional-scale lidar surveys have shifted conceptions of Maya cities from small centers, supported by low-yield cultivation strategies, to populous urban landscapes incorporating agricultural terracing and raised fields in some areas. Archaeologists have continued to refine their understanding of how large populations provisioned themselves over the centuries of the Classic period apogee of Maya civilization (250–900 CE). This symposium represents the first large-scale comparative effort to address this issue using cutting-edge techniques of spatial analysis, remote-sensing data, and traditional ecological knowledge from living Maya farmers. Using the same methods, participants will combine settlement data and DEM-derived slope maps to quantify zones within and around their study areas suitable for traditional milpa-cycle agriculture or more intensive practices. The milpa model excludes terrain covered by architecture and home gardens at two different slope thresholds. Labor inputs can be tuned to reflect varying levels of intensification to reconcile with the estimated caloric needs of populations. Our work will explore potential variability in agricultural production at Maya cities and investigate strategies of traditional land use across multiple environments in the tropical Maya lowlands.

Participants: Adrian Chase; Justin Tran, Anabel Ford and Sherman Horn; Sherman Horn, Justin Tran and Anabel Ford; Eric Fries; Bernadette Cap, Jason Yaeger and M. Kathryn Brown; John Walden, Olivia Ellis, Claire Ebert, Julie Hoggarth and Jaime Awe; Shane Montgomery and Holley Moyes; Luke Auld-Thomas and Marcello Canuto; Melvin Rodrigo Guzman Piedrasanta; Stone Shi, Megan Kresse, Thomas Moran, Anabel Ford and Robert Carr; Andrés Mejía Ramón, Jessica Munson, Jill Onken and Lorena Paiz Aragón; Heather Richards-Rissetto and Amy Thompson; Caroline Antonelli and Timothy Hare

Discussants: Damien Marken; Scott Fedick; Anabel Ford

Symposium **SITE STEWARDSHIP MATTERS: COMPARING AND CONTRASTING SITE STEWARDSHIP PROGRAMS TO ADVANCE OUR PRACTICE**

Time: 8:45 a.m.–11:30 a.m.

Chairs: Sarah Miller; Samantha Rubinson

Abstract: In 2014, the initial site stewardship survey was conducted to gather information from the known site stewardship programs, located at that time primarily in the West. Since then, more site stewardship programs have emerged and more are starting to organize. The second site stewardship survey was launched in the spring of 2022 to update and expand the original study. This session presents papers from the various organizations demonstrating their own affordances and constraints. The session will summarize findings from the 2022 survey and premier a video that links the program together.

Participants: Samantha Rubinson; Sarah Miller; Beth Padon; Rebecca Shelton; Elizabeth Hora, Ian Wright, Matt Podolinsky and Lexi Carson; Lexie Lowe, Amy Roache-Fedchenko, James Nyman and Margaret Wilkes; Rebecca Simon, Rachel Egan and Harold Henke; Melissa Zabecki; Wanda Raschkow

Discussants: Matthew Podolinsky; Wanda Raschkow

Symposium **ESTABLISHING THE SCIENCE OF PALEOLITHIC ARCHAEOLOGY: THE LEGACY OF HAROLD DIBBLE (1951–2018), PART I**

Time: 8:45 a.m.–11:45 a.m.

Chair: Gilliane Monnier

Abstract: In a career spanning four decades, Harold Dibble's work had a profound impact on (1) the interpretation of Mousterian variability, (2) our understanding of lithic technology, (3) our evaluation of Neanderthal behavior, and (4) the methods we use to excavate Paleolithic sites. Underlying these contributions was his unwavering commitment to archaeology as a scientific endeavor. This commitment included hypothesis testing, quantification of data, statistical evaluation of results, and sharing of data. His legacy consists of a radically revised understanding of Neanderthal cultural behavior, where fire-making, symbolic burial, and language must be demonstrated, not assumed; a new science of lithic technology; and a clarification of the meaning of Mousterian industrial variability. His excavation methods have established a new standard for the field. At his untimely death in 2018, Dibble left behind a robust experimentation program; active field research that was producing new data on Neanderthal behavior; and countless colleagues and students pursuing groundbreaking work, inspired by his call for a rigorous scientific-based approach to archaeology. This session, part one of two, brings together Dibble's students and colleagues to present new results and to reflect on his legacy and the way in which it has changed the future of Paleolithic archaeology.

Participants: Aylar Abdolazadeh; Michael Shott; Sam Lin; Li Li, Sam Lin, Jonathan Reeves and Shannon McPherron; Tamara Dogandzic, Li Li and Shannon McPherron; Simon Holdaway; Barbara Roth and Kara Jones; Zeljko Rezek; David Braun, Benjamin Davies, Matthew Douglass, Sam Lin and Jonathan Reeves; Deborah Olszewski and Maysoon al-Nahar

Discussant: Gilliane Monnier

Sponsored Symposium **ADVENTURES IN SPATIAL ARCHAEOLOGY: A SURVEY OF RECENT HIGH-RESOLUTION SURVEY AND MEASUREMENT APPLICATIONS**

(Sponsored by NEH Spatial Archaeology Residential and Online Institute)

Time: 8:45 a.m.–12:00 p.m.

Chairs: Sara Watson; Elizabeth Clay

Abstract: Geospatial technology is an increasingly integral component in the measurement and analysis of time, space, and form. The democratization of methods in high-density survey and measurement (HDSM), such as photogrammetry and laser scanning, creates new opportunities and challenges alike. Keeping abreast of rapid advances requires a regular survey of applications. Emerging, early career scholars are often among the most innovative of users. SAROI, the Spatial Archaeology Residential and Online Institute, an NEH-funded initiative hosted by the Center for Advanced Spatial Technologies at the University of Arkansas, has provided training to 19 emerging scholars in HDSM. This session showcases the multiple ways that SAROI fellows engage with spatial data to analyze landscapes, sites, features, and objects. Fellowship projects address a wide range of time periods and are unified not just

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through the use of HDSM techniques but through their commitment to highlighting marginalized histories and through research and representation in the Global South. Applications of HDSM discussed in the session include 3D modeling using sUAS sensors, photogrammetry, and microCT, satellite and aerial imagery analysis, and geospatial database creation and analysis.

Participants: B Charles; Brandi Bethke, Sarah Trabert and Gary McAdams; Jessica Kowalski; Wolfgang Alders and Julia Jong Haines; Jonathan Lim; Kelly Goldberg and Kevin Fogle; Daniela Raillard Arias; Kaitlyn Davis; Sara Watson, Peiqi Zhang, Patricia McNeill and Katie Wyatt; Elizabeth Clay; Jennifer Lupu
Discussant: Carla Klehm

Symposium **A TRIBUTE TO THE CONTRIBUTIONS OF LAWRENCE C. TODD TO WORLD**

PREHISTORY

Time: 8:45 a.m.–12:00 p.m.

Chair: Jason LaBelle

Abstract: For five decades, Lawrence C. Todd has fueled archaeology on multiple continents with a steady stream of novel ideas, innovative methods, and remarkable datasets. He has made substantive, empirical contributions to faunal exploitation, occupation of high-altitude environments, human evolution, field methods, and the prehistory of North America, Africa, and Asia. This session reflects on his valued contributions: celebrating his influence on how we view, record, and attempt to explain the archaeological record and how we must continually generate new questions to confront our often-unchallenged assumptions about the past.

Participants: Matthew G. Hill and Jason LaBelle; Benjamin Schoville; Teresa Wriston, Christina Neudorf and Gary Haynes; John Kappelman, Matthew G. Hill and Frank Huffman; Robert Hitchcock, Alan Osborn and Melinda Kelly; Matthew E. Hill Jr. and Erik Otárola-Castillo; Charles Egeland, Ryan Byerly and Chris Nicholson; Robert Kelly, Madeline Mackie, Erick Robinson and Spencer Pelton; Paul Burnett and Erik Otárola-Castillo; Ethan Ryan and Anna Prentiss; Jason LaBelle and Kelton Meyer; Chris Widga, Darian Bouvier, Lawrence Todd, Amy Phillips and Kenneth Cannon

Discussant: Lawrence Todd

Sponsored Symposium **DEBITAGE ANALYSIS: CASE STUDIES, SUCCESSES, AND CAUTIONARY TALES** (Sponsored by the Lithic Technology and Analysis Interest Group)

Time: 9:00 a.m.–11:45 a.m.

Chairs: Terry Ozburn; Meghan Johnson

Abstract: The archaeological literature is full of different ways of conducting debitage analysis to address research questions. The recurrent critiques include (1) the large amount of time needed to record flake types or flake attributes, (2) the implicit subjectivity in defining analytical units, (3) the unjustified assumptions that are made in defining classes of objects or selecting attributes for recordation, and (4) the lack of comparability of the data recorded across assemblages. All these critiques have missed the point. Debitage analysis objectives may be focused or broad, but in either case, the analyses should explicitly support the goals of the endeavor. The papers in this symposium provide examples of debitage analysis practices that have successfully addressed the research goals of the analyst and/or have provided insights into the best ways of extracting the specific information needed.

Participants: Meghan Johnson and Terry Ozburn; Juliet Morrow; Nicholas Hlatky and John Fagan; Nora Franco and Lucas Vetrivano; Paul Thacker; Viola Schmid, Irini Sifogeorgaki, Gerrit Dusseldorp and Wei Chu; Jeanne Binning, Jennifer Thatcher and Craig Skinner; Kelley Martinez; Lisa Maher, Danielle Macdonald, Theresa Barket and Ahmad Thaher; Theresa Barket, Lisa Maher, Danielle Macdonald and Felicia DePena; Danielle Macdonald, Lisa Maher, Theresa Barket, Naomi Martisius and Ahmad Thaher

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Symposium **DYNAMIC FRONTIERS IN THE ARCHAEOLOGY OF CHIAPAS**

Time: 9:00 a.m.–12:00 p.m.

Chairs: Caitlin Earley; Elizabeth Paris

Abstract: Archaeological investigation has established that Chiapas was a place of cultural and economic florescence throughout the precolumbian past. From the Central Depression to the highlands and beyond, ancient peoples of Chiapas cultivated interregional connections, constructed sophisticated site centers, and created innovative artistic and architectural traditions. One of the unique aspects of this region is its past and present cultural diversity, including groups with linguistic roots in several different Mayan languages, as well as Zoque and Chiapanec. Relationships between different polities and cultural groups waxed and waned over time, shifting with the formation and dissolution of political alliances, trade networks, migrations, and new technologies. Archaeologically, such shifts can be traced through changes in the origin of goods or stylistic attributes of a wide range of material culture, from settlement patterns, to elite offerings, to ordinary household consumption patterns. This symposium seeks to shine light on the dynamic frontiers of Chiapas, and to highlight recent archaeological research in the region. Papers may address interactions between Maya and other Indigenous groups, relationships across frontiers within the westernmost Maya area, or recent archaeological investigations of sites in Chiapas.

Participants: Whittaker Schroder; Andrew Scherer and Charles Golden; Alejandra Roche Recinos; Lisa Johnson, Lucas Johnson, Arianna Campiani, Rodrigo Liendo Stuardo and Rosemary Joyce; Judith Ruiz, Eric Taladoire, Edith Cienfuegos, Francisco Otero and Gabriela Solis; Joel Palka and Fabiola Sánchez; Brent Woodfill; Elizabeth Paris, Ashley Megan Williams and Gabriel Laló Jacinto; Ángel Sánchez Gamboa and Caitlin Earley; Ramon Folch; Emiliano Gallaga

Sponsored Symposium **CLIMATE AND HERITAGE IN THE NORTH ATLANTIC: BURNING LIBRARIES**
(Sponsored by the Climate Change Strategies and the Archaeological Record Committee)

Time: 9:15 a.m.–12:00 p.m.

Chairs: Thomas McGovern; Konrad Smiarowski

Abstract: The North Atlantic and Circumpolar North have seen unprecedented impacts of rapid climate change on cultural heritage and the archaeological record. Rising sea level, increasing storminess, and rising soil temperatures are rapidly destroying the archaeological record at a frightening rate. Prior SAA sessions have highlighted these threats and a growing number of national and international efforts have been organized in response. A growing realization of the vital importance of active participation by local and traditional knowledge holders and local communities has united archaeologists and host communities in a shared effort to save what we can while we can. This session will present a series of projects and initiatives that are working to respond to climate threats and create better pathways to co-production of knowledge and community participation at all levels. Participants from Canada, Greenland, Iceland, the UK, and Norway will present project results and plans for renewed collaboration. This session is a satellite of the SAA Climate Change Strategies and the Archaeological Record committee.

Participants: Konrad Smiarowski and Michael Nielsen; Christian Madsen, Michael Nielsen, Aka Simonsen and Arnaq Bjerger; Michael Nielsen, Christian Koch Madsen, Aka Simonsen and Else Bjerger; Matthew Walls, Mari Kleist, Remi Mereuze and Cecilia Porter; Alice Watterson; Vibeke Martens and Jens Rytter; Julie Bond, Stephen Dockrill and Nicole Burton; Lísabet Guðmundsdóttir and Morten Ramstad; Ramona Harrison and Arni Daniel Juliusson; Grace Cesario

Discussant: George Hambrecht

Symposium **CANINE RESOURCES FOR THE ARCHAEOLOGIST**

Time: 9:45 a.m.–12:00 p.m.

Chair: Paul Martin

Abstract: Archaeology is inherently a multidisciplinary discipline that has borrowed and refined theory while incorporating techniques from earth science-related fields throughout the last century. This is

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particularly true for noninvasive survey techniques for sensitive archaeological sites. One survey method that has experienced increased application over the past decade is the utilization of canines to assist in the detection of human remains. Deploying properly trained human remains detection canines in concert with geophysical instruments allows for a more complete understanding of a site's subsurface features of sites without the unintentional disturbance of human burials. The purpose of this symposium is to help provide the archaeological community with greater exposure to case studies where these techniques have been applied. The archaeological community will also learn how to deploy these canines within the archaeological survey context to assist in projects, as well as identify appropriate canine resources that are properly trained in archaeological human remains detection

Participants: Adela Morris and Lynne Engelbert; Cheryl Johnston, Jennifer Jordan Hall, Kevin Schwarz, Andrea Crider and Taylor Bryan; Florence Dickens and Samantha Blatt; Blair Tormey and Paul Martin; Michael Alexander; Lynne Engelbert; Paul Martin and Lisa Lee

Discussant: Paul Martin

Symposium **CORPOREAL CONCERNS: STUDIES IN BIOARCHAEOLOGY AND BODY MODIFICATION, PART II**

Time: 9:45 a.m.–12:00 p.m.

Chair: Brittany Hill

Participants: Brittany Hill, Laurel Engbring, David Grant, Monica Arellano and Alan Leventhal; Heidi Miller and Christopher DeCorse; Emily Briggs, Xinyuan Zheng and John Berini; Erin Patterson; Kevin Cabrera; Jana Meyer; Arion Mayes, Arthur Joyce and Sarah Barber; Joshua Schnell; Dilpreet Basanti

Poster Session **HUNTERS AND GATHERERS AND FORAGERS, OH MY!**

Time: 10:00 a.m.–12:00 p.m.

Participants: Craig Fertelmes and Bruce Phillips; Joanne Mack, John Fagan, Mark Swisher and Cam Walker; Haley McCaig; Justin Holcomb, Jordan Thompson and John Blong; Michael Neeley and Geoffrey Clark; Larkin Chapman, Emily Jones, Bruce Huckell and John Southon

Poster Session **GO WITH THE FLOW: UNDERWATER ARCHAEOLOGY AND WATERCRAFTS**

Time: 10:00 a.m.–12:00 p.m.

Participants: Leah Koch-Michael; Dhillon Tisdale and Jonathan Flood; Vanessa Sullivan and Chelsea Colwell-Pasch

Poster Session **REMOTE SENSING, PART I: LIDAR AND SATELLITE IMAGERY**

Time: 10:00 a.m.–12:00 p.m.

Participants: Gabriela Oré Menéndez; Ryan Smith; Helen Fairley, Joel Sankey and Joshua Caster; Kelsey Reese, Sean Field and Robert Weiner; Jason Kennedy, Sergio Chavez and Stanislava Chavez; James Lansche; Katherine Peck; Gabriela De La Puente-León, Hannah Lipps, Francesca Fernandini and Erik Otárola-Castillo; Christopher Ploetz, Amy Thompson, Richard Wood, Loa Traxler and William Fash; Evan Parker and Kenneth Seligson; Jeffrey Ferguson, Timothy de Smet, Jonathan Schaefer, Deborah Huntley and Suzanne Eckert; David Reid, Caleb Kestle, Elizabeth Goodman, John Monaghan and Keith Phillips; Jonathan Schaefer

Poster Session **REMOTE SENSING, PART II: GEOPHYSICAL TECHNIQUES**

Time: 10:00 a.m.–12:00 p.m.

Participants: Jonathan Alperstein, Jesse Casana, Madeleine McLeester, Nathaniel Kitchel and Carolin Ferwerda; Sonja Rossi-Williams; Hernando Giraldo Tenorio and Víctor González-Fernández; Tyler

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Baley, Cameron Blumhardt, Kate Shantry, Glen Kirkpatrick and Colin Grier; Cameron Blumhardt and Colin Grier; Nicholas Tripcevich, R. Scott Byram, José Capriles and Calogero Santoro; Marsha Small and Jarrod Burks; Kayla Golay Lausanne and David Chicoine; Arthur Townend

Poster Session **CAVES AND ROCKSHELTERS**

Time: 10:00 a.m.–12:00 p.m.

Participants: Gabrielle Vail; Cheryl Mack; Michael Terlep, William Bryce and Karen Harry; Jennifer DeGraffenried, Kaylee Barkett-Jones and Andrea Brunelle-Runburg

Poster Session **COLLABORATIVE ARCHAEOLOGY AND COMMUNITY OUTREACH**

Time: 10:00 a.m.–12:00 p.m.

Participants: Danielle Airola; Diana Quintero Bisono; Ellen Moriarty, Jaron Rochon, Samantha LaPlante, Emery Benoit and Michael Angers; Andrew Carter, Nathan Lawres, Jennifer Glaze and Deborah Wold; Russell Skowronek, Juan Gonzalez, Roseann Bacha-Garza, Christopher Miller and Edward Gonzalez-Tennant; Katherine Wilson and Victoria Roberts; Émilie Blondin, Lindsey Bouldin, Sarah Faber, Cindy Tian and Grace Motes; Joel Edmondson, Nathan Lawres, Jessica Dees and Andrew Carter; Reed Coil, Paula Doumani-Dupuy, Katherine Erdman and Madina Makulbekova; Frank Tzib; Brian Holguin, Eleanor Fishburn, Scott Sunell, Jennifer Perry and Gina Lucas; Samuel Duwe, Chris Garcia, Everett Garcia, Kurt Riley and Karl Pedro; Mary Prasciunas, Helen O'Brien and Tineke Van Zandt; Erin Crowley-Champoux and Zoe Jopp; Matthew Moriarty, Joseph Kinney, Luke Kosby, Philip Williams and Noah DiStefano; Kalyan Sekhar Chakraborty, Andrew Roddick, Martin Scott and Adrienne Lickers Xavier

Poster Symposium **DIGGING DEEPER: PUSHING OURSELVES TO ENGAGE THE PUBLIC IN OUR SHARED HERITAGE THROUGH OUTREACH AND EDUCATION**

Time: 10:00 a.m.–12:00 p.m.

Chairs: Emma Vance; Danielle Waite

Abstract: Federal land management agencies collectively administer approximately 606 million acres of public land within the United States. Archaeologists within these agencies support the maintenance, protection, and preservation of cultural resources for present and future use, efforts that are essential to each agency's mission. While primary duties include the management of historic and cultural resources via compliance with Section 106 of the National Historic Preservation Act (NHPA), federal archaeologists may also find themselves with the unique opportunity to spearhead public outreach and education efforts, a growing priority within the greater archaeological community. It is the responsibility of the agency archaeologists to engage the interested public—that is, the people for whom they are maintaining, protecting, and preserving these resources—in the archaeological process. Inclusion of the public through partnerships with tribes, schools, and organizations serves to make the work archaeologists do, and the resources they manage, relevant to the greater community. This symposium recognizes and emphasizes efforts in outreach and education, exhibiting a standard to be incorporated in future archaeological work.

Participants: Elizabeth Horton, Jen Harrington and Dean Nicolai; Alicia Jensen; Michael Kraus; Andrea Ramhorst; Emma Vance and Danielle Waite; Danielle Waite and Emma Vance; Katee Withee; Scott Wyatt; Katie Wynia, Devin Martin and Douglas Wilson; Sandra Zarzycka

Symposium **FROM THE MATERIAL VESTIGES OF DAILY LIFE: ARCHAEOLOGIES OF THE HOUSEHOLD, PART II**

Time: 10:00 a.m.–12:00 p.m.

Chair: Terry Powis

Participants: Terry Powis, Tristen Griffin, Riley James, Devlin McElrone and John Tomko; Cady

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Rutherford and Marisol Cortes-Rincon; Christine Dixon-Hundredmark and Cynthia Van Gilder; Yamile Lira-Lopez; Paul Prince and Jesse Heintz; Madeline Snyder; Matthew Kroot; Rachael Wedemeyer and Kenichiro Tsukamoto

Symposium **PEOPLING THE PAST: CRITICALLY EVALUATING SETTLEMENT AND REGIONAL POPULATION ESTIMATES WITH NEW METHODS AND DEMOGRAPHIC MODELING**

Time: 10:00 a.m.–12:15 p.m.

Chair: Ian Kuijt

Abstract: Understanding the relationships between the scale of population levels, food production, and emerging social inequality has long been a central focus in archaeology and anthropology. Often based on surface distribution of cultural materials, or mortuary analysis, researchers have advanced relatively high population estimates. While there are exceptions, these are often based more on intuition and less on detailed comparative analysis or statistical methods. Be it focused on Woodland mounds of the eastern North America, Pueblos of the American Southwest, or Neolithic villages of the Near East, or a host of other case studies, some of these estimates have become enshrined in archaeological literature and the minds of the general public. In this session presenters reengage with how we reconstruct population levels within a settlement, how we estimate regional population change, and what methods are best employed to estimate how many people lived at a settlement. Beyond thinking about methods for demographic reconstruction, and the extent to which researchers are over estimating past population levels, the presenters in this session will reconsider a range of perspectives on how population growth and pressure may have served as drivers of short-term decision making and long-term evolutionary change.

Participants: Kevan Edinborough; Jennifer French; KC (Kristen) Carlson and Douglas Bamforth; Zachary Cooper and Scott Ortman; René Ohlrau and Aleksandr Diachenko; Anna Prentiss, Ashley Hampton, Thomas Foor and Matthew Walsh; Ian Kuijt and Arkadiusz Marciniak; Colin Quinn

Discussant: Donna Glowacki

Symposium **AT THE INTERSECTIONS OF COMMUNITY, REGULATION, AND DEVELOPMENT: CONVERSATIONS IN HISTORIC PRESERVATION AND MANAGEMENT, PART II**

Time: 10:15 a.m.–12:00 p.m.

Chair: Kenneth Aitchison

Participants: Douglas Gann; Irene Martí Gil; Tara Skipton and Jordan Davis; Ally Gerlach; Richard McClure, Eugene Hunn and Joana Jansen; Amanda Gomes; Kenneth Aitchison and Christopher Dore

Forum **(RE)CONSIDERING THE ENTRADA: THIRTY YEARS ON FROM PROSKOURIAKOFF'S "ARRIVAL OF STRANGERS"**

Time: 10:15 a.m.–12:15 p.m.

Moderators: Olivia Navarro-Farr; David Stuart

Abstract: This year's SAA meeting will mark 30 years since the publication of *Maya History* by Tatiana Proskouriakoff in which she wrote about the, now memorable, "Arrival of Strangers." It will likewise be 23 years since David Stuart's pivotal marshalling of the epigraphic evidence that further outlined the momentous political events surrounding the 11 Eb date that marked the arrival of the stranger Sihyaj K'ahk' into the Maya Lowlands broadly and Tikal more specifically. The goal of this forum is to gather newly emerging archaeological and epigraphic evidence and thereby reignite this conversation in view of this new data from across the Petén. Preliminarily, the data address long-existing gaps in understanding while simultaneously revealing new questions. Evidence in hand now 30 years on from Proskouriakoff's writing reveal that the fundamentals of this encounter are far more complex, nuanced, and worthy of reconsideration.

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Discussants: Barbara Arroyo; Edy Barrios; Thomas Garrison; Francisco Estrada-Belli; Nawa Sugiyama; Cameron McNeil; Mary Kate Kelly; Alexandre Tokovinine

Sponsored Forum **“WHERE ARE ALL THE ARCHAEOLOGISTS?” A FORUM FOR COLLABORATIVE AND EQUITABLE PREPARATION FOR A CAREER IN RESOURCE MANAGEMENT**

(Sponsored by the Student Affairs Committee)

Time: 10:15 a.m.–12:15 p.m.

Moderators: Kirsten Vacca; Joe Baker

Abstract: The title of this session came from a colleague working in transportation. As new federal transportation money began to flood into the states, a shortage of well-prepared young talent became instantly and painfully obvious to program managers. The shortage signaled a crisis spawned by education costs, a lack of appropriate training, salary and benefit inequities, and diminishing partnership opportunities between academia and the CRM community. This forum, sponsored by the SAA Student Affairs Committee, will address all of these issues as well as those of diversity, access, and inclusion in the workforce, and will maximize opportunities for attendees to have their questions answered by a panel of experienced and rising CRM practitioners and university faculty. If you are interested in a career in this demanding and rewarding part of the profession, or you are teaching or mentoring aspiring resource managers and young professionals, please plan to attend.

Discussants: Kirsten Vacca; Ben Ford; Alexandra McCleary; Amanda Rasmussen; Jesse Gunnels; Joel Dukes; Casey Campetti; Angela Jaillet-Wentling; Ross Owen; Kristina Gaugler

Forum **BUILDING ANTIRACIST ARCHAEOLOGIES**

Time: 10:15 a.m.–12:15 p.m.

Moderators: Laura Ng; Jocelyn Lee; Veronica Peterson

Abstract: This forum explores how and why building antiracist archaeologies is necessary for our discipline. By convening leading archaeologists practicing antiracist work, this forum creates space to discuss possible directions for these archaeologies, including drawing on an Ethnic Studies praxis that centers community-engaged research; employing diasporic frameworks; and foregrounding Black, Indigenous, and People of Color (BIPOC) epistemologies to critique race, racism, and racialization in archaeological praxis. This conversation provides a critical intervention for our field in the twenty-first century and charts future directions for building antiracist archaeologies.

Discussants: Wade Campbell; Sonya Atalay; Anna Agbe-Davies; Barbara Voss; David Carlson; Gayoung Park

Symposium **FROM THE MONUMENTAL TO THE MINUTE: ARCHITECTURE AND THE BUILT ENVIRONMENT, PART I**

Time: 10:15 a.m.–12:15 p.m.

Chair: Maria Torras Freixa

Participants: Claire Novotny and Brett Houk; Georgi Kyorlenski; Brysbaert Ann; Andres Saul Alcantara Salinas; Sarah Breiter; Maria Torras Freixa, Natalia Moragas Segura and Alessandra Pecci; Samantha Turley, Steve Wernke and Manuel Mamani; Joshua Lockett-Harris, Kathryn Reese-Taylor, Felix Kupprat, Armando Anaya-Hernandez and Deborah Walker

Symposium **CONSIDERING CERAMICS: TECHNOLOGICAL, ECONOMIC, AND SOCIOCULTURAL APPROACHES, PART II**

Time: 10:30 a.m.–12:00 p.m.

Chair: Kayeleigh Sharp

Participants: Kayeleigh Sharp, Carlos Osores Mendives and Izumi Shimada; Alessandra Villarreal;

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Jonathan Schwartz; Karolina Valerio-Romero and Traci Ardren; Jon Ross, Itzick Shai, Kent Fowler and Chris McKinny; Mauricio Díaz García, Cameron McNeil, Agapito Carballo, Samuel Pinto and Reina Hernández

Symposium **ADAPTATION, NEGOTIATION, AND POWER: RECENT STUDIES IN CONTACT AND COLONIALISM, PART II**

Time: 10:30 a.m.–12:15 p.m.

Chair: Leslie Walker

Participants: Alistair Paterson; Mackenzie Cory; Matthew Ballance; Leslie Walker; Sophie Reilly; Gabrielle Purcell; Cameron Walker and Barnet Pavão-Zuckerman

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Symposium **AT THE INTERSECTIONS OF COMMUNITY, REGULATION, AND DEVELOPMENT: CONVERSATIONS IN HISTORIC PRESERVATION AND MANAGEMENT, PART III**

Time: 1:00 p.m.–2:45 p.m.

Chair: Cynthia Dunning Thierstein

Participants: Patricia Rubertone; Jorge Rios Allier; Cynthia Dunning Thierstein, John Peterson and Anne Comer; Madisen Hvidberg and Peter Dawson; Thadra Stanton; John Torres; Kevin Malloy

Sponsored Forum **ADVANCING THE STATUS OF WOMEN IN ARCHAEOLOGY**

(Sponsored by COSWA)

Time: 1:00 p.m.–3:00 p.m.

Moderators: Lucia Clayton; Kristin De Lucia

Abstract: Fifteen years ago, COSWA sponsored a working group designed to bring women together at various stages of their career and in various types of employment to discuss mentoring. This year, COSWA builds on this group by providing a forum where a panel of women will discuss topics related to career advice. The forum aims to provide a space where students, early and middle career researchers, and people aiming to change careers can learn about specific questions such as applying through USA jobs, grant writing, creating a CV, Fulbright scholarships, parenting in archaeology, and archaeological work in Australia. In advance of the session, COSWA will solicit questions to the membership to ensure that topics of concern are addressed.

Discussants: Casey Campetti; Lucia Clayton; Kristin De Lucia; Laura Hronec; Tia Watkins; Katherine Miller Wolf

Forum **FIRES EVERYWHERE: REVIEWING THE CULTURAL RESOURCE RESPONSE TO THE 2020 OREGON WILDFIRES**

Time: 1:00 p.m.–3:00 p.m.

Moderators: Kelly Derr; Jeannie Larmon

Abstract: In 2020, nearly one million acres of forest burned across Oregon, devastating communities and forests on federal, state, public, and private lands. The emergency response to these events created an unprecedented situation regarding the protection and recordation of cultural resources involving the ODOT, FEMA, USFS, BLM, Oregon Tribes, and HRA. This forum brings together representatives from federal and state agencies, tribal governments, and cultural resource professionals to discuss key research topics and lessons learned following the unprecedented 2020 Oregon wildfire season. Topics discussed will include best management practices, pre- and post-protection of cultural resources during disaster response, protecting the safety and mental health of archaeological monitors, and planning for future events.

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Discussants: Philip Fisher; Kurt Roedel; Jamie French; Cheryl Pouley; Jason McInteer; Justin Hopt; Britt Betenson

Sponsored Forum **WHAT ARE THE PROSPECTS AND IMPLICATIONS FOR OPEN ACCESS PUBLICATIONS AND THE SAA?**

(Sponsored by the SAA Publications Committee)

Time: 1:00 p.m.–3:00 p.m.

Moderator: Lynne Goldstein

Abstract: All three SAA journals are currently published by the Cambridge University Press. While everyone involved with publications likes the idea of Open Access publishing, there are a number of issues with the current system, in terms of authors, readers, and access. This session will outline the advantages and problems. Further, the current Cambridge Read & Publish agreements are transitional—they are not sustainable long-term for a variety of reasons. We hope to outline some of the problems of Open Access, as well as the many advantages and alternative directions, so that the SAA membership understands and appreciates upcoming potential changes and issues. Panelists include members of the Publications Committee, as well as others actively involved in the discussion.

Discussants: Kerry Boyles; Eric Kansa; Mitchell Allen; Christine Szuter

Poster Symposium **DEFINING PERISHABLES: THE HOW, WHAT, AND WHY OF PERISHABLES AND THEIR IMPORTANCE IN UNDERSTANDING THE PAST**

Time: 1:00 p.m.–3:00 p.m.

Chairs: Melanie Saldana; Barbara Klessig

Abstract: This poster session will delve into the importance of perishables in the everyday lives of people in the past and present. Innovations in this area have been important in the sociocultural development and success of past civilizations, and the preservation of traditions today. Participants will demonstrate how new technologies, ethnographies, and experimental archaeology help researchers better understand perishables and their role in interpreting the archaeological record. Organized with the Fiber/Perishables Interest Group (FPIG).

Participants: Amy Chan; Melanie Saldana, James Brady and Christian Mora; Scott Nicolay and Miranda Fengel; Joseph Curran; Ed Carriere and Dale Croes; Barbara Klessig

Poster Symposium **LIQUID LANDSCAPES: RECENT DEVELOPMENTS IN SUBMERGED LANDSCAPE ARCHAEOLOGY**

Time: 1:00 p.m.–3:00 p.m.

Chairs: Morgan Smith; Justine Buchler

Abstract: The study of submerged landscapes has accelerated in popularity necessitated by a need for practitioners in cultural resource management (CRM), increasing student interest, and expanding opportunities for study at colleges and universities globally. The increased interest in the topic has led to methodological advancement and refinement and has promoted the study of inundated archaeological sites in multiple geographic regions and cultural time periods. Additionally, the increasing study of submerged landscapes has brought attention to missing, or absent, datasets that can only be located through underwater prospection. This session will showcase data from current submerged landscape projects to bring together varying perspectives on the study of these sites from myriad geological and environmental settings around the world. Posters will variably highlight methodological advancement, evolving theoretical frameworks, contributions to regional culture histories, paleoenvironmental reconstructions, descendant community involvement, industry applications, and future directions of the discipline.

Participants: Nicholas Bentley; Justine Buchler; Jessica Cook Hale and Nathan Hale; Jessi Halligan;

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Brendan Nash, John O'Shea and Ashley Lemke; Mayra Robles Montes, Enrique Nava-Sánchez and Guillermo Martínez-Flores; Angelina Perrotti and Ryan Duggins; Morgan Smith and Shawn Joy; David Thulman; Shawn Joy

Poster Symposium **THE SOCIOECOLOGICAL DYNAMICS OF HOLOCENE FORAGERS AND FARMERS**

Time: 1:00 p.m.–3:00 p.m.

Chair: Jacob Freeman

Abstract: This symposium brings together researchers working on long-term changes in the socioecology of foraging and farming populations in North America. We attempt to answer key questions, such as, How do climate and population interact to drive long-term changes in hunting and plant food processing; and how do such changes in subsistence practices, in turn, impact population growth, group size, and burial practices among-foragers/farmers? The symposium aims to better understand such questions by bringing together specialists working on case studies in the semiarid grasslands of North America. Each poster will present data on long-term changes in material culture, climate, subsistence, and/or population processes, and the posters will each present different methodological approaches to understanding the long-term interactions between climate, population dynamics, and social/subsistence change.

Participants: Jacob Freeman, Raymond Mauldin, Mary Whisenhunt, Robert Hard and John Anderies; Jennifer Finn and Jacob Freeman; Geena Black and Jacob Freeman; Judson Finley, Erick Robinson, R. Justin DeRose, James Allison and Matthew Bekker; Alexandra Wolberg, Judson Finley and Erick Robinson; Chelsea Cheney, Judson Byrd Finley, Erick Robinson, Molly Cannon and Tim Riley; David Harvey, Judson Byrd Finley, Erick Robinson and Edward Herrmann; David Byers, Peter Yaworsky and Jack Broughton; Kristina Solis, Mary Whisenhunt, Robert Hard, Jacob Freeman and Raymond Mauldin

Poster Symposium **MOGOLLON, MIMBRES, AND SALADO ARCHAEOLOGY IN SOUTHWEST NEW MEXICO AND BEYOND**

Time: 1:00 p.m.–3:00 p.m.

Chairs: Karen Schollmeyer; Jeffery Clark

Abstract: Southwest New Mexico from AD 600 to 1450 encompasses multiple archaeological culture areas differentiated by patterns in ceramics, architecture, and other material culture. The highly diverse archaeological record of this region makes it well suited to exploring change over time, including migration, responses to environmental change, and internal sociopolitical reorganization. This variability also offers opportunities for comparisons with other areas of the US Southwest at larger spatial scales. This session brings together diverse approaches to understanding this temporal and spatial variability, including GIS, chipped stone, ground stone, ceramic, and paleoethnobotanical analyses, as well as experimental archaeology.

Participants: Charles Hemphill; Emily Barrick; Jonah Bullen; Kristin Corli; Ian Youth and Karen Schollmeyer; Lori Barkwill Love; Caitlin Wichlacz; Totsoni DeLuna; Mary Whisenhunt and Patricia Gilman; Jorge Barcelo and Allen Denoyer; Aleesha Clevenger and Allen Denoyer

Poster Symposium **TZINTZUNTZAN, CAPITAL OF THE TARASCAN EMPIRE: NEW PERSPECTIVES**

Time: 1:00 p.m.–3:00 p.m.

Chairs: José Luis Punzo Díaz; Ingris Pelaez-Ballestas

Abstract: The Centro INAH-Michoacán has generated a research project that seeks to renew the knowledge of the ancient imperial capital of the Tarascan Señorío. This ancient city has been archaeologically studied for almost 90 years; however, there are many issues that have not been sufficiently addressed. This poster session seeks to present the data and studies achieved in the last three years by a group of consolidated researchers, as well as undergraduate and graduate students.

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Participants: José Luis Punzo Díaz, Carmen Ramos Osnaya and Fernanda Navarro Sandoval; Miguel Ibarra López, Marcela Lázaro Tovar, Alfonso Gastelum Strozzi and José Luis Punzo Díaz; Karla Rodríguez-Rodríguez, Fernanda Navarro-Sandoval, Mónica Sosa-Ruíz, José Ortega-Ramírez and José Luis Punzo-Díaz; Ingris Pelaez-Ballestas, Karla Rodríguez-Rodríguez, Miguel Ibarra, Patricia Rodriguez and Carlos Karam-Tapia; Alfonso Gastelum-Strozzi, Yira Castro-García, Ernesto Dena, Jose Damian Carrillo and Jose Luis Punzo-Diaz; Claudia Ávila, Yalilich Miranda, Emilio Aguayo and Alfonso Gastelum; Adam Budziszewski and Alfonso Gastelum-Strozzi

Poster Symposium **RECENT ARCHAEOLOGICAL RESEARCH BY PALEOWEST**

Time: 1:00 p.m.–3:00 p.m.

Chair: Marion Forest

Abstract: With over 1,500 projects conducted in 2021 and 2022, PaleoWest archaeologists have contributed to critical research advancements nationwide. Coast to coast, they have documented a wide diversity of cultural and environmental contexts and tackled various logistics challenges. In this poster symposium, PaleoWest archaeologists from the Phoenix, Los Angeles, Denver, and Tallahassee offices team up to present the scope and results of some of their recent archaeological investigations.

Participants: Tiffany Clark and James Potter; Scott Yost, R. E. Burrillo and Harland Ash; R. E. Burrillo; Angela Huster, Marion Forest, Sebastian Chamorro and Amber Treadway; Marion Forest, Eric Cox, Matthew Steber, Kevin Sheehan and Madison Lamb; Kayla Genord, Kaitlyn Davis, Olivia Sage Grunewald, Breeanna Charolla and Alan Salacain; Heather Young, Cala Castleberry and Michael Foster

Poster Symposium **THE CHENGDU PLAIN ARCHAEOLOGY SURVEY (2004–2011): HIGHLIGHTS FROM THE FINAL REPORT**

Time: 1:00 p.m.–3:00 p.m.

Chairs: Rowan Flad; Kuei-chen Lin

Abstract: The Chengdu Plain Archaeological Survey was completed in 2011 after five seasons of large-scale surface survey and subsurface coring, geophysics, and test excavations. The survey examines prehistoric through Han-era settlement patterns in the Chengdu Plain of the Sichuan Basin of China, surrounding two walled sites dating to the Neolithic Baodun period. Finds were collected from surface contexts and auger holes and dated to the Neolithic, Bronze Age, and Han periods and reflect changing land use across the region during the 2,000+ years at the end of the common era. Various unavoidable circumstances delayed the processing and interpretation of many of the data, but now a completed report of the database and synthetic studies has been completed. This session symposium includes posters from various team members representing elements of the report.

Participants: Kuei-chen Lin and Zhiqing Zhou; Shuicheng Li, Joshua Wright, Rowan Flad, Kueichen Lin and Zhanghua Jiang; Timothy Horsley; Ming Jiang, Jade d'Alpoim Guedes, Zhanghua Jiang, Zhiqing Zhou and Rowan Flad; Matthew Chastain; Rowan Flad, Josh Wright, Zhanghua Jiang, Kueichen Lin and Zhiqing Zhou

Symposium **DOMESTICATION, EXPLOITATION, AND REVERENCE: STUDIES IN ZOOARCHAEOLOGY, PART II**

Time: 1:00 p.m.–3:00 p.m.

Chair: Anneke Janzen

Participants: Nicolette Edwards, Karen Lupo and Dave Schmitt; Thomas Wake; Arkadiusz Marciniak; Anneke Janzen, Lauren Malone and Amy Mundorf; Ariane Thomas, Matthew E. Hill Jr., Chris Widga, Martin Welker and Andrew Kitchen; Céline Erauw, Sylvie Byl and Peter Eeckhout; Jessica Jenkins and Martin Gallivan; Hailin Yi, Peter Rowley-Conwy, Mike Church and Quanfa Cai

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Symposium **ATTENDING TO THE DEAD: STUDIES IN MORTUARY ARCHAEOLOGY, PART II**

Time: 1:00 p.m.–3:15 p.m.

Chair: Katherine Pompeani

Participants: Takashi Sakaguchi and Satoshi Okamura; Luis Flores-Blanco; Amandine Flammang and Margot Serra; Jessica Cerezo-Román, Megan Walsh and Jane Buikstra; Samantha Lorenz, Ana Margarida Moço, Rachel Holland, Rui Mataloto and Brandon Lewis; Keli Watson, Dana Evaschuk, Marina Elliott and Mike Robertson; Tomás Gallareta Cervera, Anna Novotny and Brett Houk; Brandon Lewis, Rui Mataloto, Samantha Lorenz and Hugo Miranda de Morais; Katherine Pompeani

Symposium **A SESSION IN MEMORY OF WILLIAM J. FOLAN: CITIES, SETTLEMENT, AND CLIMATE**

Time: 1:00 p.m.–3:30 p.m.

Chair: Jerald Ek

Abstract: William J. Folan (1931–2022) was an indefatigable researcher who made substantive contributions to archaeological scholarship over the course of a professional career spanning seven decades. Reflecting the influence of his advisor Walter W. Taylor, Willie's ideas often went against the mainstream. This is most clearly reflected in his seminal work on Maya settlement patterns and urbanism, as well as theories that explored the impacts of climatic variability on long-term historical dynamics. Although best known for his pathbreaking studies of two of the largest precontact Maya cities—Coba and Calakmul—his work made a substantive impact across Mesoamerica and North America. Perhaps Willie's greatest strength was as a collaborator, with a proven track record of creating opportunities for junior colleagues. His personal story and 60-year investment in field research highlight a lifelong dedication to the advancement of the field. In this session colleagues and friends will come together to highlight Willie's lasting contributions to archaeology in the areas of settlement patterns, urbanism, political organization, and human-environmental interactions.

Participants: John Dewhirst; Joel Gunn and Lynda Florey Folan; Nuria Torrescano-Valle, William Folan and Joel Gunn; Kathryn Reese-Taylor, Felix Kupprat, Armando Anaya Hernández, Nicholas Dunning and Adriana Velazquez Morlet; Jerald Ek; Isabella Medina, Inés Zazueta and Vera Tiesler; Geoffrey Braswell

Discussants: Jerald Ek; Allan Maca; Joyce Marcus

Symposium **MATERIALITY OF MEANINGS AND AESTHETICS: ART AND CRAFT IN THE ARCHAEOLOGICAL RECORD, PART II**

Time: 1:00 p.m.–3:30 p.m.

Chair: Sahra Talamo

Participants: Sahra Talamo, Wioletta Nowaczewska, Andrea Picin, Adam Nadachowski and Jean-Jacques Hublin; Ryan Arp and Steve Swanson; Bernie Taylor; Hannah Mattson; Francisco Estrada-Belli and Alexandre Tokovinine; Marco Serino and Eleni Hasaki; Laurie Webster; Stephanie Lozano; Jacqueline Correa, Ester Echenique and Calogero Santoro; Paola Michel Flores

Symposium **SUPPORTING PRACTICAL INQUIRY: THE PAST, PRESENT, AND FUTURE CONTRIBUTIONS OF THOMAS DYE**

Time: 1:00 p.m.–3:45 p.m.

Chairs: Seth Quintus; Timothy Rieth

Abstract: Across five decades, Thomas Dye has made substantial contributions to Hawaiian, Oceanic, and global archaeology in cultural resource management (CRM) and academic archaeology. Tom's research contributions have occurred throughout his varied career, providing a valuable model for archaeologists to contribute to the field from multiple positions: as an archaeologist at the Bernice P. Bishop Museum in Honolulu, an instructor at Hawai'i Pacific University and the University of Hawai'i at Mānoa, Historic Preservation Officer for the Republic of the Marshall Islands, as the O'ahu Island

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archaeologist for the Hawai'i State Historic Preservation Division, as a project director at a CRM firm, and as an owner and principal investigator of his own CRM company. He is best known for his more recent work building empirically grounded chronologies using Bayesian statistics and elements of graph theory. However, of equal importance has been his bottom-up, archaeologically informed analyses of social processes that have complemented and calibrated more frequent top-down approaches, as well as his championing of open science. This symposium celebrates Tom's contributions to archaeology, from his role in transforming how archaeologists in Oceania think about chronology to his contributions highlighting how the daily lives of individuals can provide important information on social process.

Participants: Alex Morrison, Timothy Rieth and Anthony Dosseto; Myra Jean Tuggle, Timothy Rieth, Darby Filimoehala and Matthew Bell; Darby Filimoehala and Christopher Filimoehala; Jennifer Kahn and Dana Lepofsky; Timothy Rieth, Robert DiNapoli, Carl Lipo and Terry Hunt; Seth Quintus, Jeffrey Clark and David Addison; Ethan Cochrane, Seth Quintus, Matiu Prebble and Ta'iao Matiu Matavai Tautunu

Discussants: James Bayman; Peter Mills; Thomas Dye

Symposium **CULINARY ARCHAEOLOGY**

Time: 1:00 p.m.–3:45 p.m.

Chair: Kimberley Connor

Abstract: The great strength of foodways archaeology has always been its breadth: methodologically, temporally, spatially, and topically. At the same time, the all-encompassing nature of foodways means that the term has become so diffuse that some of the scholarship has very little to do with food at all. This session proposes that archaeologists refocus on food and cooking under the banner of “culinary archaeology.” This is envisaged as a holistic—though more circumscribed—archaeological study of food that is deeply informed by food history, experimental archaeology, ethnoarchaeology, and the embodied knowledge of cooking. This session invites archaeologists working in all time periods and regions to imagine what a culinary archaeology might look like by re-centering on the kitchen and the table, on cooking and eating.

Participants: Kimberley Connor; Veronica Peterson; Ryan Kennedy and Koji Lau-Ozawa; Merit Hondelink; Emily Dawson; Lindsey Paskulin, Aleksa Alaica, Lindi Masur, Edward Swenson and Camilla Speller; Christine Hastorf; Sarah Graff

Discussants: Amanda Logan; Mary Weismantel

Sponsored Symposium **CRUCIAL ISSUES IN UNITED STATES DEPARTMENT OF DEFENSE CULTURAL RESOURCES MANAGEMENT**

(Sponsored by the Military Archaeological Resources Stewardship Interest Group)

Time: 1:00 p.m.–4:00 p.m.

Chairs: Reymundo Chapa; Michael Fedoroff

Abstract: Stewardship responsibilities for large tracts of land with multiple groups of Indigenous inhabitants presents the United States Department of Defense (DoD) with unique opportunities and challenges. Universal priorities among cultural resource practitioners include generating meaningful interactions with our Tribal partners and addressing impacts of climate change on cultural and natural resources of import to Tribal communities. This symposium will be split into two parts to review these issues. Successful case studies from installations will provide best practices and templates for future work in these important areas.

Participants: Michael Fedoroff; Shannon Voggesser and Gwynn Ellis; Raymond Sumner and J. Javi Vasquez; J. de Gregory and Jennifer Harty; Levi Keach; Kelsey Lowe, Enid Tom, Michael Westaway, Jaime Swift and Annie Lau; Maia London, Shaun Nelson and Ellyse Simons; Tessa Amend

Discussants: Jake Fruhlinger; Julie Esdale; Kate Plimpton

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Symposium **CURRENT RESEARCH ON ANCIENT GLASS AROUND THE INDIAN OCEAN**

Time: 1:00 p.m.–4:15 p.m.

Chair: Laure Dussubieux

Abstract: Glass objects in the forms of containers, beads, or other personal ornaments are found all around the Indian Ocean. The circulation of these objects around the vast expanse of this geographical area reveals the connection of communities located in regions very far apart. Productions from the Middle East, Central Asia, South Asia, and Europe were identified along the east coast of Africa and in Southern Africa, two regions that have attracted more and more research interest over the past two decades. Shifts in procurement centers suggest changes in access due to possible political or economic events disrupting production and trade. Chronologies based on typology and glass chemistry have been established, making glass objects useful temporal markers along other archaeological artifacts such as ceramics. In this panel, recent research projects exploring glass production in India will be presented. Papers will focus their attention on glass ornaments in the Middle East, Southeast Asia, or Africa.

Participants: Laure Dussubieux, Ariane de Saxcé, Nimal Perera and Mangala Katugampola; Shinu Anna Abraham, Laure Dussubieux, Thomas Fenn and Alok Kumar Kanungo; Thomas Fenn, Laure Dussubieux, Shinu Anna Abraham and Alok Kanungo; Alison Carter and Kelby Beyer; Katherine Larson, Kristin Landau and Laure Dussubieux; Katherine Jefferys; Tayla Hanson, Emma Kissel and Charlotte Nash; Charlotte Nash-Pye, Andrew Meek and St John Simpson; Akshay Sarathi, Laure Dussubieux and Jonathan Walz; Marilee Wood, Laure Dussubieux, Stephanie Wynne-Jones and Jeffrey Fleisher; Foreman Bandama; Joe Merchant, Jeffrey Fleisher and Gry Barfod

Symposium **PEDAGOGY IN THE UNDERGRADUATE ARCHAEOLOGY CLASSROOM**

Time: 1:00 p.m.–4:15 p.m.

Chair: Maureece Levin

Abstract: For many students, the college or university classroom will be one of the first places they learn about archaeology as a field of study. Archaeological coursework prepares new anthropologists and archaeologists before they engage in fieldwork, lab work, and deeper study and helps potential future archaeologists to decide if the field is right for them. It also provides the college-educated public with an opportunity to engage with the human past, as well as to better understand what we do and why it is important. Thus, the work we do in the undergraduate classroom is some of the most important work we can do to shape the future of the field. This symposium brings together archaeologist educators teaching at all levels in two- and four-year institutions. Papers will explore evidence-based, innovative, and creative techniques for educating and engaging with a variety of student populations.

Participants: Kara Fulton; Christopher Hernandez; Aspen Kemmerlin; Elizabeth Hoag and Riley Rist; Maureece Levin and Jenny Evans; Mairead Doery; Christina Sampson; Margaret Helzer; Katherine Patton and Krista Maxwell; Kirby Farah and Benjamin Luley; Katherine Moore, Chantel White, Marie-Claude Boileau, Jason Herrmann and Vanessa Workman; Aimee Miles

Symposium **ESTABLISHING THE SCIENCE OF PALEOLITHIC ARCHAEOLOGY: THE LEGACY OF HAROLD DIBBLE (1951–2018), PART II**

Time: 1:00 p.m.–4:15 p.m.

Chair: Shannon McPherron

Abstract: In a career spanning four decades, Harold Dibble's work had a profound impact on (1) the interpretation of Mousterian variability, (2) our understanding of lithic technology, (3) our evaluation of Neanderthal behavior, and (4) the methods we use to excavate Paleolithic sites. Underlying these contributions was his unwavering commitment to archaeology as a scientific endeavor. This commitment included hypothesis testing, quantification of data, statistical evaluation of results, and sharing of data. His legacy consists of a radically revised understanding of Neanderthal cultural behavior, where fire-making,

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symbolic burial, and language must be demonstrated, not assumed; a new science of lithic technology; and a clarification of the meaning of Mousterian industrial variability. His excavation methods have established a new standard for the field. At his untimely death in 2018, Dibble left behind a robust experimentation program; active field research that was producing new data on Neanderthal behavior; and countless colleagues and students pursuing groundbreaking work, inspired by his call for a rigorous scientific-based approach to archaeology. This session, part two of two, brings together Dibble's students and colleagues to present new results and to reflect on his legacy and the way in which it has changed the future of Paleolithic archaeology.

Participants: Alison Brooks, Joshua Porter and John Yellen; George Leader, Rachel Bynoe, Ted Marks, Dominic Stratford and Abi Stone; Nuno Bicho, João Cascalheira, Jonathan Haws and Matthieu Honegger; Nicholas Conard and Manuel Will; Gilbert Tostevin; Flint Dibble; Curtis Marean; Paul Goldberg and Vera Aldeias; Erella Hovers and Anna Belfer-Cohen; Melanie Chang and April Nowell; Dennis Sandgathe; Shannon McPherron

Symposium **WARFARE AND THE ORIGINS OF POLITICAL CONTROL**

Time: 1:00 p.m.–4:45 p.m.

Chair: Brian Billman

Abstract: The relationship between warfare and the development of institutions of political control has been a fundamental issue in the humanities and social sciences since the inception of the disciplines. Since Confucius, Sun Tzu, and Plato, scholars have pondered how societies make wars and how wars make states. Over the last 75 years, historians, ethnographers, political scientists, sociologists, archaeologists, and bioarchaeologists have developed detailed histories of warfare and sociopolitical change in a wide range of time periods in nearly every region around the globe. The time is now ripe to develop a global understanding of sociopolitical change and human violence. This session will explore from diverse perspectives on the role that prehistoric and historic armed conflict played in the establishment, maintenance, and demise of political institutions in transegalitarian, status-based societies, and premodern states. We examine the material and nonmaterial causes of warfare, the organization of combatants, conflict and ideological signaling, and how leaders and followers created institutions of control in the context of escalating violence. To expand the multidisciplinary breadth, global scope, and theoretical depth of these issues, the session gathers together archaeologists, sociocultural anthropologists, and ethnohistorians working in Europe, Middle East, Asia, Oceania, and North, Central, and South America.

Participants: Rod Campbell; Nam Kim; Monica Smith; Augusta McMahon; Christian Horn; David Dye; Tyler Ferree, Gregory Wilson and Amber VanDerwarker; Catherine Cameron; Amanda Suárez Calderón, Yahaira Núñez-Cortés and Francisco Corrales-Ulloa; Takeshi Inomata; Elizabeth Arkush; Dennis Ogburn; Brian Billman

Discussants: Richard Chacon; Johan Ling

Symposium **ANIMAL RESOURCES IN EXPERIMENTAL ARCHAEOLOGY**

Time: 1:00 p.m.–4:45 p.m.

Chairs: Naomi Martisius; Danielle Macdonald; Giulia Gallo

Abstract: Experimental archaeological research using animal raw material resources (e.g., bone, teeth, skin, tendons, feathers, marine- and eggshell) is useful for developing an understanding of past human-animal relationships including subsistence strategies, tool manufacture and use, and artwork, as well as for understanding taphonomy, site formation processes, and population movements. Given their organic nature, biologically derived animal resources are highly variable and degrade over time, complicating the use of modern experiments as analogues for ancient processes. This session aims to present a diverse set of archaeological experiments, focused on incorporating and/or controlling for the inherent, anthropogenically modified, postmortem, or postdepositional variability of animal tissues. Exploring

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experimentation through a range of themes, potential contributions may include raw material properties analyses, the influence of animal material states, sample preparation, curation and storage, taphonomic alterations, blind-tests, and methodological development and standardization (e.g., dating, isotopes, microscopy, use-wear, 3D modeling, FTIR). While experiments utilizing animal remains are an important analytical tool for archaeologists, we are particularly interested in contributions discussing the ethics of using animals in archaeological research. This broadly focused session will incorporate diverse perspectives and methodological approaches for evaluating past human activities including animal interactions.

Participants: Abigail Desmond; Chrissina Burke, Magen Hodapp, Kelsey Gruntorad, Natalie Patton and Wyatt Benson; Aurore Val, Guillaume Porraz and Marina Igreja; Emily Hallett and Jacopo Niccolo Cerasoni; José-Miguel Tejero, Olivia Cheronet, Pere Gelabert, Gerhard Weber and Ron Pinhasi; Silvia Bello and Simon Parfitt; Naomi Martisius, Logan Guthrie and Danielle Macdonald; W. James Stemp, Danielle Macdonald, Naomi Martisius and Christopher Brown; Patricia McNeill, Bryna Hull and Teresa Steele; Teresa Steele, Mareike Stahlschmidt and Susan Mentzer; Giulia Gallo; Stephen Merritt

Discussants: Naomi Martisius; Alan Outram

Sponsored Symposium **CERAMICS AND ARCHAEOLOGICAL SCIENCES**

(Sponsored by the Society for Archaeological Sciences [SAS])

Time: 1:00 p.m.–5:00 p.m.

Chairs: Kostalena Michelaki; Charles Kolb; Sandra Lopez Varela

Abstract: Ceramics are one of humanity's most durable products. The common geological presence, variability, and plasticity of their main ingredient—clay—and the additive nature of their manufacturing process have afforded humans remarkable creativity and space for social expression. People in separate parts of the world, at different times, in diverse social, economic, and ecological contexts have produced them in various fabrics (from earthenwares to porcelains) to satisfy needs that ranged from the quotidian to the cosmological. As a result, they are invaluable to archaeologists/archaeometrists for answering diverse research questions. Ceramic analyses examine the selection and preparation of raw materials; the manufacturing, firing, and decorative methods; and the shape, size, use, distribution, reuse, and discard of the final product, as well as decorative designs. Ceramic ecology and chaîne opératoire are guiding mid-range theoretical approaches, supported by archaeometric, geoarchaeological, and ethnoarchaeological methods. The goal of this new annual Society for American Archaeology symposium is to present and assess current ceramic research from around the world, at different scales, using varied methods and theoretical approaches. This new series is sponsored by the Society for Archaeological Sciences and continues a 35-year tradition of ceramic presentations at the American Anthropological Association meetings.

Participants: Charles Kolb, Kostalena Michelaki and Sandra López Varala; Whitney Goodwin, Hector Neff, Daniel Pierce and Michael Glascock; Matthew Meyer, Marcie Venter and Christopher Pool; Hector Neff; Destiny Crider, Samuel Nelson and Ian Gonzales; Anabel Ford and Frank Spera; Cynthia Otis Charlton, Danielle Dadiago and Judith Bense; Sachiko Sakai; Robert Tykot, McKenna Douglass, Whitney Goodwin, Zachary Atlas and Michael Glascock; Anne Underhill, Fengshi Luan and Fen Wang; Andrew Womack, Anke Hein and Ole Stilborg; Camilla Sturm, Liam Hayes and Anna Campbell; Chandra Reedy; Kostalena Michelaki, Andrea Torvinen and Andrea Berlin

Discussants: Robert Tykot; David Killick

Symposium **HILL PEOPLE: NEW RESEARCH ON TIJERAS CANYON AND THE EAST MOUNTAINS**

Time: 1:00 p.m.–5:00 p.m.

Chairs: Kelly Jenks; Phillip Leckman

Abstract: For decades, archaeological research in north-central New Mexico has focused on cultural developments in the Rio Grande Valley. With the notable exception of several long-term field school

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projects at Tijeras and Paa-ko pueblos, the diverse histories of populations living in the mountains east of Albuquerque—the “East Mountains”—have been overlooked or relegated to cultural resource management (CRM) reports. Alongside several ongoing reassessments of legacy collections from Tijeras and other East Mountain sites, a series of recent CRM, urban planning, and community history projects have generated new insights into the East Mountain region’s dynamic past. This session brings together people involved in these projects to share their discoveries, theories, and perspectives, with the goal of contributing to a more inclusive understanding of the complex human history of the East Mountains.

Participants: Phillip Leckman; David Unruh; William Graves and Evan Giomi; Noah Thomas; Danielle Huerta; Matthew Schmader; Kelly Jenks; Allyson Ueki; Jason Vandervort; Rani Alexander and Jocelyn Valadez; Peter Kovacic; Heather Atherton; Moises Gonzales; James Sattler

Discussant: Mark Lycett

Symposium **SEEING MIGRANT AND DIASPORA COMMUNITIES ARCHAEOLOGICALLY: BEYOND THE CULTURAL FIXITY/FLUIDITY BINARY**

Time: 1:00 p.m.–5:00 p.m.

Chairs: Erin Riggs; Julia Haines

Abstract: How do we “see” migrant and diaspora communities archaeologically over different time scales? We revisit an old debate over the tendency for archaeologists to approach this question as a binary: (1) by interpreting materials associated with migrant and diaspora communities as culturally distinguishable and distinct or (2) by interpreting materials associated with migrant and diaspora communities as unique cultural hybrids, shaped by both places of origin and present contexts. In relying on interpretive methodologies that are static and cyclical, resulting narratives often focus on a set of culturally determined material traits that overshadow the long-term, complex social processes that distinguish different communities. We ask participants in this session to critically examine and discuss the methodological assumptions that they rely on as they do archaeology of migrant and diaspora communities. In turn, we also ask them to discuss approaches that have aided them in breaking this pattern. What archaeological methodologies have allowed them to “see” migrant and diaspora communities and their associated material worlds in a more nuanced way—a way that leaves space for process, continual movement, individual autonomy, multidimensional social identities, and/or dynamic networks of exchange?

Participants: Anna Whittemore; Julia Haines; V. Camille Westmont; Donna Nash; Tatiana Niculescu; Supriya Varma; Christopher Beekman and Migration Collective CfAS; Koji Lau-Ozawa and Ryan Kennedy; Brandon Ritchison, Maureen Meyers and Zoe Doubles; Erin Riggs; Patricia Markert; Eduard Fanthome; Katrina Eichner; Dana Bardolph, Christina Friberg and Gregory Wilson

Discussant: Mark Hauser

Sponsored Symposium **RECENT ADVANCES IN ZOOARCHAEOLOGICAL METHODS**

(Sponsored by the Zooarchaeology Interest Group)

Time: 1:00 p.m.–5:00 p.m.

Chairs: Nicolas Delsol; Arianne Boileau

Abstract: Zooarchaeology stands at the crossroads of social and natural sciences by studying the relationships between human and nonhuman animals. From the onset, the discipline borrowed and adapted analytical tools from other fields; for example, to identify animal skeletal remains, document taphonomic processes, or inform animal behavior. Over the past 20 years, the use of stable and radiogenic isotopes, ancient DNA, geometric morphometrics (GMM), 3D imaging, data science, and proteomics, to name a few, has revolutionized the practice of zooarchaeology. These methodological advances have dramatically increased the range and scope of questions that zooarchaeology can address while deepening our understanding of past human/animal relationships. However, using these new techniques is not without its challenges, particularly concerning the reproducibility and accessibility of

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these methods. Costly equipment, state-of-the-art facilities, or large research budgets are often necessary, possibly restricting access to these approaches, particularly for our colleagues from the Global South. This symposium invites papers presenting the most recent advances in zooarchaeological methodology. We propose that the papers showcase how the latest analysis techniques are pushing the discipline forward while reflecting on how this work could be implemented and more accessible to underprivileged regions of the world.

Participants: Mark Plew and Louisa Daggars; Sarah Noe, Amber VanDerwarker, Greg Wilson, Douglas Kennett and Richard George; Jason Miszaniec, Paul Szpak, John Darwent and Christyann Darwent; Geneviève Pothier-Bouchard, Julien Riel-Salvatore, Michael Buckley and Karine Taché; Carolyn Freiwald, Christina Halperin, Camille Dubois-Francoeur and Jacob Harris; Iride Tomazic, Amy Nicodemus and John O'Shea; María Martínez-Polanco and Florent Rivals; Miranda George, Elizabeth Paris and Roberto López Bravo; Eric Gilmore, Jonathan Dombrosky, Lisa Nagaoka and Steve Wolverton; Isabelle Holland-Lulewicz and Jacob Holland-Lulewicz; Alexandra Derian; Susan deFrance, Neeka Sewnatha, Nicolas Delsol and Robert Guralnick; Arianne Boileau, Kitty Emery, Ashley Sharpe, Grace Zhang and Dongya Yang; Madonna Moss, Eleni Petrou, Camilla Speller, Dongya Yang and Lorenz Hauser; Camilla Speller, Eleni Petrou, Madonna Moss, Dongya Yang and Lorenz Hauser

Symposium **FROM HARD ROCK TO HEAVY METAL: METAL TOOL PRODUCTION AND USE BY INDIGENOUS HUNTER-GATHERERS IN NORTH AMERICA**

Time: 1:15 p.m.–4:30 p.m.

Chairs: Christopher Wolff; Michelle Bebber

Abstract: The study of tool production and use among Indigenous hunter-gatherer cultures in North America has traditionally focused on lithic analyses; however, there is a growing body of recent research and interest in the procurement, production, and use of metal implements by many of those same groups. Where metallurgical traditions have seen substantial research, they have been primarily studied through a culture history lens, with little attention paid to the procurement and manufacturing practices of metal objects or their subsequent use. Moreover, the decision-making involved throughout those processes deserves more systematic research. This session will focus on all aspects of Indigenous hunter-gatherer metal use, from procurement and practice to ideological and functional interpretive frameworks that place the use of a variety of metals into broader regional and interregional contexts. The diversity of research presented will have broader implications for how we conceptualize hunter-gatherer innovation, technological proficiency, and complex decision-making in the past.

Participants: Michelle Bebber and Christopher Wolff; Patrick Jolicoeur; H. Kory Cooper, Matthew Pike and Garrett Hunt; Gregory Lattanzi; Matthew Sanger; Metin Eren, Grace Conrad, Stephen Lycett and Michelle Bebber; Ryan Peterson; Timothy McCoy; Sarah LavenderNeas and Michelle Bebber; Julie Lierenz; Amanda Samuels, Christopher Wolff, Donald Holly, Michelle Bebber and Metin Eren; Christopher Wolff, Michelle Bebber, Metin Eren, Amanda Samuels and Donald Holly

Symposium **SOCIAL AND ENVIRONMENTAL INTERACTIONS ON COASTS AND ISLANDS IN KOREA**

Time: 1:30 p.m.–4:00 p.m.

Chairs: Gyoung-Ah Lee; Hyunsoo Lee

Abstract: Ecological and cultural settings along coasts and islands have provided archaeologists important data on the peopling of, migrations, cultural interactions and isolations, and niche constructions on oceanic spheres. Islands and coasts in Korea have been shaped by different environmental factors and cultural trajectories throughout the Holocene. This panel aims to discuss the recent data on human-ecological-social dynamics along the west, east, and southern coasts and islands in Korea from the early Holocene onward. Panelists will examine topics on foodways, landscape management, technological change, ideological reflections, and social interactions.

Participants: Habeom Kim and Gyoung-Ah Lee; Seungki Kwak, Sujung Lee and Heegeun Kim; Ilhong

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Ko; Geun Tae Park; Hyeonsoo Song; Hyunsoo Lee and Gyoung-Ah Lee; Hyounggon Bae; Sungjoo Lee, Jiyeon Lee and Jinwoo Kim

Discussant: Gyoung-Ah Lee

Forum **DECOLONIZING CURRICULUM IN ARCHAEOLOGY**

Time: 3:00 p.m.–5:00 p.m.

Moderator: Kristine Bovy

Abstract: Are you interested in decolonizing your archaeology courses, syllabi, and/or curriculum? Or have you already taken steps toward a decolonizing approach and have ideas to share? If so, please join our conversation. This interactive forum is geared toward those teaching in higher education who are interested in making change or scaling up changes previously made. Discussants (both Indigenous and non-Indigenous) in different stages of their careers will address what it means to decolonize curricula and where to begin this process. They will share successful examples of field schools and lecture, lab, and seminar courses, including the challenges they encountered and how they addressed these challenges. Both discussants and participants will be invited to share their personal experiences, examples, and ideas. Let's learn from each other and leave this event inspired to make changes in our courses and curricula.

Discussants: Sonya Atalay; Mairead Doery; Stephen Silliman; Diane Teeman; Emily Van Alst

Symposium **DRINKING BEER IN A BLISSFUL MOOD: A GLOBAL ARCHAEOLOGY OF BEER**

Time: 3:15 p.m.–5:00 p.m.

Chair: Marie Hopwood

Abstract: “Drinking beer in a blissful mood. Drinking liquor feeling exhilarated.” This is one of the most well-known stanzas in the archaeology of beer, drawn from a Sumerian tavern song of the fourth millennium BCE in Mesopotamia, the birthplace of beer . . . or was it? Archaeological evidence of beer and brewing has been recovered from civilizations across the ancient world and over the course of millennia. From the corn-based chicha of the Wari and Inka Empires of South America, to the rice-based beers of Neolithic China, to Viking-era grogs across western Europe, as well as the early beers and eventual breweries of both ancient Egypt and Mesopotamia, beer is far from the monolithic fermented beverage often imagined today. Beer has been brewed as both a daily household beverage and as a large-scale festive brew. It has served as payment for labor, as well as an intercessor between people and deities. Beer is deeply ancient, vastly diverse, and a fascinating entry point into understandings of the ancient people who brewed and consumed this beverage. Through this session we explore the archaeological evidence of ancient beers and their brewers from a variety of ancient global contexts.

Participants: John Arthur; Melissa Ayling; Yahui He; Jingbo Li; Li Liu; Marie Hopwood; Tate Paulette

Sponsored Symposium **FRYXELL SYMPOSIUM IN HONOR OF DOLORES PIPERNO**

(Sponsored by the Fryxell Award, SAA)

Time: 3:15 p.m.–5:00 p.m.

Chair: Matthew Sayre

Abstract: This symposium is in honor of Dolores Piperno in honor of her selection as the recipient of the Fryxell Award. In her introductory article and profile in the *Proceedings of the National Academy of Science* Dr. Piperno discussed the value of interdisciplinary research. She discussed employing multiple lines of evidence in order to create a more robust scientific argument. This dedication to data and scientific reasoning is a primary factor in the growing respect for her early research which challenged conventional thinking about early agriculture in the Americas. Dr. Piperno's research has reached around the world, established a robust new science that is utilized by scientists both within and outside of archaeology, and pushed the boundaries of research in previously under-documented regions of the

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world. This has been a career of scientific firsts and dogged pursuit of the best evidence with which to construct our vision of the past.

Participants: Dan Sandweiss; Ashley Sharpe, Richard Cooke and Nicole Smith-Guzmán; Shanti Morell-Hart; Katherine Chiou, Araceli Aguilar-Meléndez, Christine Hastorf, Andrés Lira-Noriega and Emiliano Gallaga Murrieta; Douglas Kennett and Jeffrey Ross-Ibarra; Sadie Weber and Matthew Sayre; Tom Dillehay

Symposium **IN FLUX: SETTLEMENT PATTERN STUDIES IN ARCHAEOLOGY, PART II**

Time: 3:15 p.m.–5:00 p.m.

Chair: Matthew Brown

Participants: Jason Sherman; Andrew Danielson, Debra Foran, Greg Braun, Stanley Klassen and Grant Ginson; Patrick Cruz; Matthew Brown; Edward Knell, Matthew Kirby, Jan Taylor and Albert Garcia; William Ridge; Samantha Linford, Kelsey Reese and Danielle Huerta

Symposium **SEEKING FREEDOM IN THE BORDERLANDS: ARCHAEOLOGICAL PERSPECTIVES ON MAROON SOCIETIES IN FLORIDA**

Time: 3:45 p.m.–5:00 p.m.

Chairs: Dawn Lawrence; Jeffrey Shanks

Abstract: Over the past few decades, the archaeology of marronage has emerged as a distinctive subdiscipline exploring the material culture of freedom-seeking people resisting the institution of enslavement by living in the margins of colonial hegemony in the Americas. Much of the work in this area has been led by research in the Caribbean and South America, where large maroon communities developed and survived, maintaining a continuity of culture through descendants to the current day. In contrast, the major maroon communities of colonial and territorial Florida were effectively eliminated by the mid-nineteenth century and were often short-lived and ephemeral occupations, creating unique difficulties for archaeologists. Due to its geopolitical context, however, marronage in Florida was characterized by responses to enslavement not typically experienced elsewhere, with African-descendant people manning European military outposts, integrating with Indigenous communities, and developing expedient networks of communication and trade. This symposium will explore the unique characteristics and challenges of maroon archaeology in Florida with an intra-regional comparative approach, examining the recent research at some of the more significant sites in an effort to better understand the lost history of a freedom-seeking people.

Participants: Mary Elizabeth Ibarrola and Lori Lee; Dawn Lawrence and Jeffrey Shanks; Jeffrey Shanks, Dawn Lawrence and Andrew McFeaters; Uzi Baram; Jordan Davis

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Symposium **TRACKING POPULATIONS, RESOURCES, AND KNOWLEDGE ACROSS SPACE AND TIME, PART II**

Time: 8:00 a.m.–9:45 a.m.

Chair: Gizeh Rangel de Lázaro

Participants: David Berikashvili; Monette Bebow-Reinhard; Manda Adam, Iyaxel Cojti Ren and Fred Valdez Jr.; Grace Ellis; Patrick Druggan; Julie Hoggarth, Jaime Awe, Brendan Culleton, John Walden and Douglas Kennett; Gizeh Rangel de Lázaro, Marcelo Sánchez-Villagra, Stacey Ward, Caitlin Raymond and Laura Wilson

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Symposium **IMBUING MEANING: SACRED LANDSCAPES AND SITES**

Time: 8:00 a.m.–9:45 a.m.

Chair: William Walker

Participants: William Walker and Judy Berryman; Christian Mesia-Montenegro and Angel Sanchez-Borjas; Scott Van Keuren and William Graves; Mitchell Allen, William Trousdale and Ghulam Rahman Amiri; Maxwell Forton; Ellen Hoobler; Robert Weiner

Symposium **EDUCATION, ETHICS, AND ENDLESS SHELVES: STUDIES IN ARCHAEOLOGICAL COLLECTIONS, CURATION, AND MUSEUMS, PART II**

Time: 8:00 a.m.–9:45 a.m.

Chair: Hunter Vaughan

Participants: Aryn Schriener; Hunter Vaughan; Jaye Smith and Jeff Clark; Susannah Clinker; Allison Densmore; Katherine Dungan and Kathryn MacFarland; Elizabeth Lynch, Mary Lou Larson and Marcel Kornfeld

Sponsored Forum **HOW DOES THE NEW FEDERAL AUTHORITY FOR DISPOSAL OF CERTAIN ARCHAEOLOGICAL MATERIAL REMAINS WORK AND HOW WILL IT AFFECT COLLECTIONS MANAGEMENT?**

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

Time: 8:00 a.m.–10:00 a.m.

Moderators: S. Terry Childs; Karen Mudar

Abstract: Federal agencies, as all collections owners, have long faced challenges in leveraging funds and space to care for archaeological collections. To address this collections management issue, the National Park Service has finalized regulations to allow disposition of federally owned archaeological material remains determined to be of insufficient archaeological interest. The rule amends CFR 36 Part 79–Curation of Federally-Owned and Administered Archaeological Collections and went into effect on May 16, 2022. It provides agencies with a procedure to remove from collections a limited variety of objects that are determined to be “of insufficient archaeological interest” by meeting specific criteria. No human remains, NAGPRA cultural items, or associated records may be disposed of under this rule. It includes safeguards for protection of the research value of collections, including consultation with a Collections Advisory Committee; notification of interested parties, including State and Tribal Historic Preservation Offices and interested universities; publishing information about the proposed disposition in the Federal Register; and the ability to object to a Federal Agency official’s determination to dispose of particular material remains. This discussion will focus on the effects this regulation may have on federal and other archaeological collections, curatorial practices, and archaeological research.

Discussants: Karen Mudar; S. Terry Childs; Bridget Ambler; Glenna Nielsen-Grimm; Jasmine Heckman; Angela Neller; Eugene Marino; Kathryn MacFarland

Symposium **BODY MODIFICATION: EXAMPLES AND EXPLANATIONS**

Time: 8:00 a.m.–10:00 a.m.

Chairs: Brea McCauley; Franz Manni; Mark Collard

Abstract: Permanent body modification (PBM) is among the most striking of contemporary human behaviors, and there is evidence that it has been practiced for thousands of years. However, to date, PBM has been the subject of comparatively little anthropological and archaeological research. Consequently, it is poorly understood. The present session will feature talks based on papers from a forthcoming edited volume that seeks to change this state of affairs. The talks will discuss examples of PBM practices that have been carried out in different places and at different times, including tattooing, scarification, piercing, dental modification, and finger amputation. Proximate and ultimate reasons why

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individuals are motivated to engage in PBM practices will also be considered in the course of the session.

Participants: Franz Manni, Laurence Glémarec, Liliana Huet and Martin Friess; Svetlana Vassilieff and Gregory Pereira; Michael Smetana, Christopher Lynn and Marco Samadelli; Shauna Latosky and Pascale de Robert; Paul King and Franz Manni; Brea McCauley and Mark Collard; Vibeke Viestad

Symposium **EXPERIENTIAL LEARNING, EXPERIMENTAL ARCHAEOLOGIES**

Time: 8:00 a.m.–10:00 a.m.

Chair: Cheng Liu

Participants: Nolan Ferar, Claudio Tennie, Mark Moore, Alexandros Karakostis and Elena Moos; Cheng Liu, Nada Khreisheh, Dietrich Stout and Justin Pargeter; Kathryn Frederick; Katherine Sterner and Robert Ahlrichs; Devin Pettigrew; Alexandra Greenwald, Mary Weakhee, Hayley Kievman, Andrew Merryweather and Jamie Herridge; Samantha Nadel; Güner Coskunsu, Maria Rosa Iovino and Arzu Karahan

Symposium **EXAMINING VIOLENCE, WARFARE, AND COERCION THROUGH SPACE AND MATERIAL CULTURE, PART II**

Time: 8:00 a.m.–10:00 a.m.

Chair: Ryan Harrod

Participants: Richard Sutter and Gabriel Prieto; Kathryn Baustian, Clair Ralston, Maryann Calleja and Debra Martin; Nick Angeloff, Meagan McKinney, Hannah Vizcarra and Marisol Cortes-Rincon; Caitlin Bishop; Tiffany Fryer; Ryan Harrod and Kathryn Baustian; Michael Seibert; Emily Sharp and Amanda Wissler

Symposium **POLITICAL GEOLOGIES IN THE ANCIENT AND RECENT PASTS: ONTOLOGY, KNOWLEDGE, AND AFFECT**

Time: 8:00 a.m.–10:30 a.m.

Chairs: M. Elizabeth Grávalos; Andrew Roddick

Abstract: This session traces political geologies in the recent and ancient pasts to unsettle how archaeologists grapple with landscape, earthly materials, and politics. How is the practice of geology political? In what ways do earthly materials co-create politics? Recent scholarship has queried (1) Western knowledge production in the earth sciences as well as (2) the ontology, affect, and agency of geological materials. Political geology emphasizes that knowledge about and the categorization of earthly materials is always rooted in particular historic and ontological frameworks. Scientific practice frames, selects, and excludes certain materials, reflecting particular political projects. Simultaneously, anthropologists and geographers have documented the meaningful roles that geomaterials have in social life cross-culturally, while also revealing ontological equivocations between discrete communities. At issue are the multiple perspectives on what geomaterials are and who has the power to define, utilize, consult, and protect them. In what ways do archaeological ceramics, metals, stone objects and architecture, and agricultural landscapes—consisting of specific technologies and geological know-how—represent “partial connections” and political ontologies? What kinds of frameworks can help us better understand and describe ontological and political conflicts as gleaned through archaeology? Thinking through such questions may lead to a more representative and equitable archaeology.

Participants: Andrew Roddick and M. Elizabeth Grávalos; M. Elizabeth Grávalos; Bethany Whitlock; Kelsey Hanson; Colin Grier; Rebecca Cannell and Lars Gustavsen; Amanda Gaggioli; Andrew Bauer

Discussant: Francois Richard

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Symposium **AT THE INTERSECTIONS OF COMMUNITY, REGULATION, AND DEVELOPMENT: CONVERSATIONS IN HISTORIC PRESERVATION AND MANAGEMENT, PART IV**

Time: 8:00 a.m.–10:30 a.m.

Chair: William Marquardt

Participants: Ryan Rybka; Savanna Agardy; Marley Brown; William Marquardt, Meghan Campbell Caves, Autumn Myerscough and Tim Lewis; Andrew Wyatt and Clelie Cottle Peacock; Loa Traxler, William Fash, Ricardo Agurcia Fasquelle, Amy Thompson and Christopher Ploetz; Mario Battaglia; Christina Giovas, Claudia Kraan and Amy Victorina; Kaitlyn Hosken and Travis Shinabarger; Paola Valentin Irizarry

Symposium **ARCHAEOLOGICAL STUDIES OF HUMAN-ENVIRONMENT RELATIONSHIPS, PART IV**

Time: 8:00 a.m.–10:30 a.m.

Chair: Fatemeh Ghaheri

Participants: Natalie Sanford; Christopher Morgan; Anthony DeLuca; Fatemeh Ghaheri; Alejandra Vidal-Elgueta and Francisca Santana-Sagredo; Gabriela Prestes Carneiro, Roberta Sá Leitão-Barboza, Myrian Sá Leitão-Barboza and Claide de Paula Moraes; Mark Golitko, Mirko Uy and Melissa Berke; John Blong, Helen Whelton, Dennis Jenkins, Ian Bull and Lisa-Marie Shillito; Juan Carlos Jarquin; Lorenzo Castellano

Symposium **LA CUERNAVILLA, GUATEMALA: A MAYA FORTRESS AND ITS ENVIRONS**

Time: 8:00 a.m.–11:00 a.m.

Chair: Thomas Garrison

Abstract: In 2017, data from the Pacunam Lidar Initiative revealed a previously undetected Maya fortress situated at the edge of a steep limestone escarpment binding the northern edge of the Buenavista Valley, running between the ancient kingdoms of El Zotz and Tikal. The site, named La Cuernavilla, occupies two adjacent hilltops and some of the foothills below. It is protected by concentric rings of massive defensive systems at a scale and intensity previously unattested for the Maya Lowlands. Initial reconnaissance recorded the distinctive Teotihuacan talud-tablero architectural style in one of La Cuernavilla's temples, suggesting a connection to the important 378 CE entrada during which Tikal's ruler was assassinated and replaced by an invading party from Central Mexico. Initial test excavations indicated a deeper and more complex history that provoked a more intensive investigation of the fortress in 2021 and 2022. The goals of the research at La Cuernavilla were to understand the site's emergence and growth in relation to its local and regional environs, as well as its place within broader geopolitical machinations in the Buenavista Valley and the Maya Lowlands as a whole. The papers in this session report the most recent results from the research at La Cuernavilla.

Participants: Thomas Garrison and Stephen Houston; Timothy Beach, Byron Smith and Sheryl Luzzadder-Beach; Morgan Clark, Sheryl Luzzadder-Beach and Byron Smith; Yesenia Landa, Sheryl Luzzadder-Beach, Thomas Garrison, Timothy Beach and Byron Smith; J. Dennis Baldwin, Thomas Garrison and Rafael Cambranes; Edwin Roman-Ramirez; Fernando Véliz Corado; Alma Marroquín and Anna Bishop; Joshua Kwoka

Discussants: Sheryl Luzzadder-Beach; Stephen Houston

Symposium **FINDING COMMUNITY IN THE PAST AND PRESENT THROUGH THE 2022 PARCC FIELD SCHOOL AT BUEN SUCESO, ECUADOR**

Time: 8:00 a.m.–11:00 a.m.

Chairs: Sara Juengst; Sarah Rowe; Guy Duke

Abstract: Ethical archaeological practice is driven by theory; thus archaeological field schools should also espouse a clear theoretical framework at the outset, particularly as concerning collaboration with

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and expectations of students, community members, and project leaders (Borck 2018; Cipolla et al. 2019; Clarke and Phillips 2012; Gonzalez and Edwards 2020). The Proyecto Arqueológico Rios Culebra-Colin 2022 field school applied an anarchical approach to both the past and present by avoiding assumptions of the necessity of hierarchy or organized power. To execute this vision, students helped create and agreed upon codes of conduct, participated in many aspects of fieldwork (excavation, total station mapping, lab work, community consultation, etc.), and were central to the ongoing archaeological knowledge production even after the digging was done. This session highlights the results of this approach by presenting (1) the archaeological findings from Buen Suceso, a multicomponent site in coastal Ecuador and the focus of our 2022 field excavations; (2) results from community heritage work with local Dos Mangas residents; and (3) student reflections on the field school experience. By presenting these papers in one symposium, we emphasize the interconnectivity of these activities, rather than seeing them as siloed or of ranked importance in the archaeological endeavor.

Participants: Guy Duke, Sarah Rowe and Sara Juengst; Jean-Paul Rojas, Benjamin Ramirez and Mozelle Bowers; Sarah Rowe, Camila Jara Rodríguez, Kepler Dimas and Zindy Cruz; Cristian Figueroa, Jean-Paul Rojas, Zindy Cruz and Guy Duke; Jorge Alanis, Benjamin Ramirez, Kepler Dimas, Camila Jara and Guy Duke; Mozelle Bowers and Sara Juengst; Mara Stumpf, Sara Juengst, Mozelle Bowers and Zindy Cruz; Zindy Cruz, Kepler Dimas, Mara Stumpf, Mozelle Bowers and Sara Juengst; Jonathan Gutierrez, Jean-Paul Rojas, Cristian Figueroa, Ana Maria Morales and Angie Farfan Garcia; Catherine Hernandez

Discussant: Benjamin Ramirez

Symposium **A CELEBRATION AND CRITICAL ASSESSMENT OF “THE MAYA SCRIBE AND HIS WORLD” ON ITS FIFTIETH ANNIVERSARY**

Time: 8:00 a.m.–11:15 a.m.

Chairs: Jeremy Coltman; Oswaldo Chinchilla

Abstract: This landmark publication written by Michael D. Coe and published by the Grolier Club in 1973 was in many ways a catalyst for subsequent advances made in ancient Maya art and writing over the past five decades. Despite its many important contributions, including the first publication of the precolumbian book now known as the *Códice Maya de México*, the Grolier exhibition was at the center of a heated debate regarding the display and publication of unprovenanced Maya objects. This debate continues, fueled by the continued looting of archaeological sites and the commodification of ancient Maya materials. Ongoing debates delve on the proper ways to weigh the benefits of scholarship against its potential impact on the commercial value of objects, the use and management of “orphaned objects” by scholars and museums, and questions related to repatriation, among others. This session will highlight the contributions of this important milestone in Maya studies and offer critical assessments of the problematic issues surrounding the Grolier exhibition and its outcomes, which are of central concern to Maya archaeologists, epigraphers, and art historians.

Participants: Caitlin Earley; Oswaldo Chinchilla; Jocelyne Ponce, Marcello Canuto and Tomás Barrientos; Jose Raul Ortiz and Francisco Saravia; James Doyle; Ana García Barrios; Anna Brandeberry; Mallory Matsumoto; Dorie Reents-Budet and Ronald Bishop; Joanne Baron, Frauke Sachse and Daniel Boomhower; Mary Miller; Jeremy Coltman and Andrew Turner

Discussant: David Stuart

Symposium **FIRE-CRACKED ROCK: RESEARCH IN COOKING AND NONCOOKING CONTEXTS**

Time: 8:00 a.m.–11:15 a.m.

Chair: Fernanda Neubauer

Abstract: Although fire-cracked rock (FCR) is found in significant quantities at sites worldwide, this analytical artifact type remains understudied in archaeological research. FCR is the byproduct of the use of rocks for heat storage or transference. Accordingly, FCR is frequently recovered in association with features that represent the physical remains of past cooking or heating facilities. For example, FCR was

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commonly used in domestic facilities to cook food (e.g., stone boiling, earth oven) and in noncooking facilities, such as to provide heat in shelters (e.g., sweat lodge) and to melt snow for drinking water. This symposium brings together scholars employing various approaches to study and interpret FCR across different regions and time periods. The papers highlight the important contributions emerging from a variety of perspectives and methods (e.g., ethnographic, experimental) being applied to investigate FCR created by natural (e.g., wildfires) and cultural processes, as well as to better contextualize its role in past feature formation, midden accumulation, and domestic life.

Participants: Fernanda Neubauer; João Cascalheira, Joana Belmiro, Lino André, Roxane Matias and Célia Gonçalves; Kate Shantry; Fabiola Sanchez; Randall Schalk; Richard Stark, Alondra Flores and Fernando Gonzalez; Lara Homsey-Messer, Kristina Gaugler and Kevin Gubbels; Russell Cutts; Victoria Ingalls and Rachel Feit; Shelby Jones, Eric Blinman, Jon Lohse and J. Royce Cox; Stance Hurst, Doug Cunningham, Eileen Johnson, Glenn Fernández-Céspedes and Markus Crawford; Anastasia Steffen

Discussant: Laura Short

Sponsored Symposium **INTERDISCIPLINARY APPROACHES TO ROCK ART DOCUMENTATION, RESEARCH, AND ANALYSIS**

(Sponsored by the Rock Art Interest Group)

Time: 8:00 a.m.–11:15 a.m.

Chair: Amanda Castañeda

Abstract: Current rock art research is interdisciplinary, drawing methods from various fields and knowledge from multiple lines of evidence. These approaches augment and enhance rock art documentation, offer new strategies for effective site management, and facilitate new interpretive insights for rock art provinces around the world. This Rock Art Interest Group–sponsored session provides a forum to share recent rock art research from a wide range of topics that help us to better understand and contextualize rock art, including geochemical analyses, iconographic comparisons, photogrammetric and imaging techniques, Indigenous knowledge, spatial analysis, and radiocarbon dating. The presentations in this symposium discuss rock art in California, Hawaii, Texas, the American Southwest, the Great Plains, the Eastern Woodlands, Mexico, Israel, and Siberia.

Participants: Steven James; David Whitley; Charlotte Vendome-Gardner and Stephanie Pratt; Kylie Gambrell and Andrew Womack; Jordan Schaefer, Stephen Alvarez, Alan Cressler and Jan Simek; Emily Beahm and Angela Gore; Amanda Castañeda, Charles Koenig, Larry Loendorf and Julie Francis; Mavis Greer and John Greer; Emily Van Alst; Andrzej Rozwadowski; Steven Rosen, Lior Schwimer, Roy Galili, Naomi Porat and Nadel Dani; Beatriz Menéndez Iglesias, Pavel Ulianov Martínez-Pabello, Guillermo Acosta Ochoa, Sergej Sedov and Patricia Pérez-Martínez; Jerod Roberts

Symposium **THE LATE MIDDLE PALEOLITHIC IN THE WESTERN BALKANS: RESULTS FROM RECENT EXCAVATIONS AT CRVENA STIJENA, MONTENEGRO**

Time: 8:00 a.m.–11:15 a.m.

Chair: Gilbert Tostevin

Abstract: The rockshelter of Crvena Stijena, Montenegro, is well-known as a key Paleolithic site in the Balkan peninsula. Its 20 m deep sequence, over half of which spans the Middle Paleolithic, contains lithic industries, abundant macrofauna bearing extensive traces of human butchery activities, and large combustion features. A new excavation project, led by the University of Minnesota and the National Museum of Montenegro since 2017, has focused on the Middle Paleolithic levels with an emphasis on documenting fire use by Neanderthals. A number of analyses have been carried out in order to understand pyrotechnological behaviors, reconstruct site formation processes, and reconstruct paleoenvironments. These include anthracology, micromorphology, archaeomagnetism, and chemical characterization of minerals (in artifacts and in sediments) altered by fire. Paleoenvironmental reconstruction has been accomplished through analysis of macrobotanical remains, plant alkanes, and

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microfauna. Neanderthal stone-tool making and using behaviors have been studied through raw material analysis and residue analysis. Refinement of the site chronology continues through a new radiocarbon dating program as well as cryptotephrochronology. Genetic analyses have extracted hominin DNA from sediments in the site. This symposium brings together the specialists who have contributed to the project since 2017 to present their results and allow for discussion and synthesis.

Participants: Nikola Borovinic and Mile Bakovic; Goran Pajovic, Gilbert Tostevin, Samantha Porter, Nikola Borovinic and Anne Melton; Carolina Mallol, Margarita Jambrina-Enríquez, Gilliane Monnier, Gilbert Tostevin and Goran Pajovic; Samantha Porter, Gilbert Tostevin, Goran Pajovic, Nikola Borovinic and J. Anne Melton; Eugene Morin, Gilbert Tostevin, Giliane Monnier and Michael Buckley; Yige Bao, Matthew Collins, Eugène Morin, Marta Alegre and Gilliane Monnier; Aleksandra Savkovic, Katarina Bogicevic and Dragana Djuric; Vasilije Marojevic, Zoran Kilibarda, Gilbert Tostevin and Alec Siurek; Aspen Cooper, Gilliane Monnier, Goran Pajovic and Gilbert Tostevin; Gilliane Monnier, Gilbert Tostevin, Goran Pajovic, Mile Bakovic and Nikola Borovinic; Mihailo Jovanovic, Katarina Bogicevic, Dragana Đuric, Draženko Nenadic and Hugues-Alexandre Blain

Discussant: Gilbert Tostevin

Symposium **THE VIBRANCY OF RUINS: RUINATION STUDIES IN ANCIENT MESOAMERICA**

Time: 8:00 a.m.–11:45 a.m.

Chairs: Roberto Rosado-Ramirez; Arthur Joyce

Abstract: The purpose of this symposium is to generate discussions on the ways in which ruined and decaying buildings contributed to the ongoing constitution of communities in ancient Mesoamerica. Symposium participants will use archaeological and historical data and recent ideas advanced by ruination studies and the material turn to examine the life history of ruins in precolumbian times and their relations to the materiality of community. Ruination studies recognize that ruins persist and can affect people long after buildings fall to ruin. The material turn focuses on the durability and ever-changing materiality of ruins and their active role in relations with people in ways that can both facilitate and disrupt human projects. This symposium will bring together a group of scholars to challenge a Western/Romantic view of ancient Mesoamerican ruins as deserted spaces, devoid of vibrancy and meaning for precolumbian Indigenous peoples. The participants in this session will offer a glimpse of an Indigenous perspective on ruins, where ruins were places that were important in the constitution of community life and sources of cultural identity in ancient Mesoamerica.

Participants: Roberto Rosado-Ramirez and Arthur Joyce; Arthur Joyce; Elizabeth Konwest and Marijke Stoll; Stacie King, Elizabeth Konwest and Marijke Stoll; Jeffrey Blomster and Cuauhtémoc Vidal Guzmán; Jamie Forde; Julia Hendon; Nicholas Puente and Sarah Kurnick; David Mixter; Christina Halperin; Olivia Navarro-Farr, Rachel Horowitz and Keith Eppich; Josuhé Lozada, Joel Palka and Alice Balsanelli

Discussants: Shannon Dawdy; Oliver Harris

Symposium **HOUSEHOLDS AT AVENTURA: LIFE AND COMMUNITY LONGEVITY AT AN ANCIENT MAYA CITY**

Time: 8:00 a.m.–12:00 p.m.

Chair: Cynthia Robin

Abstract: How can people create communities that are long-lived? This is the overarching research question that drives the Aventura Archaeology Project's investigations at Aventura, Belize, which has been a place of human activity for over 5,000 years, from the Late Archaic to historic and contemporary periods. In this session, we focus on a part of Aventura's long history, the households of the ancient Maya city of Aventura. We present new excavation, survey, lidar, and analytical research designed to address sociopolitical, economic, and environmental issues related to Aventura's long-term history. From 2014 to 2023, project members investigated 12 households across a 1 km² area around the city, revealing new information about the diversity and daily lives of residents and the role they played in

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maintaining and shaping their community over the long term. We highlight Aventura's households during the Middle to Late Classic population maximum as well as those in the smaller Terminal Classic and Postclassic communities. We conclude by considering how questions of households and community longevity are as central for building collaborative archaeologies with local communities and addressing questions relevant to the contemporary world as they are for understanding the past.

Participants: Cynthia Robin; Kat Fitzgerald, Kacey Grauer, Zachary Nissen and Cynthia Robin; Hannah Hoover, Maria Cunningham, Erin Niles and Cynthia Robin; Zachary Nissen; Gabriela Dziki and Martin Menz; Kacey Grauer; Eponine Wong, Kacey Grauer, Zach Nissen and Debra Walker; Debra Walker; Lucas Martindale Johnson; Natalie Detwiler and David Lentz; Emily Kinney and Erin Kennedy Thornton; Anna Moles; Sylvia Batty, Josue Ramos, Antonio Beardall, Debra Wilkes Gray and Cynthia Robin
Discussants: Payson Sheets; Lisa Lucero

Symposium **FROM THE ALTAI TO THE ARCTIC: NEW RESULTS AND NEW DIRECTIONS IN THE ARCHAEOLOGY OF NORTH AND INNER ASIA**

Time: 8:00 a.m.–12:00 p.m.

Chair: Alexander Kim

Abstract: The archaeology and anthropology of northern Eurasia tends to proceed from its filleting into three massive continent-spanning strips—the terrestrial biomes of the steppe, the taiga, and the tundra—with certain nods to the gradations between them, other vegetation communities biting in from the south, and the separate world of its marine fringes. This session brings together researchers of Mongolia, steppic and montane Central Asia, Siberia, and maritime Northeast Asia to break well out of this conventional siloing. With perspectives and toolkits spanning monumental iconography, genome-wide ancient DNA, textile analysis, historical linguistics, osteoarchaeology, ceramic geochemistry, and beyond, we highlight both the diversity of practices and trajectories accommodated within each zone and shared inheritances and channels of connection that cut far across ecologies and latitudes. In grasslands, uplands, boreal forests, wetlands, and the shores of cold seas, we draw out the heterogeneity, surprising parallels, crackling interfaces, and repeatedly refreshed links that have enmeshed this vast region for millennia.

Participants: Joshua Wright, William Honeychurch, Chunag Amartuvshin and Sarah Pleuger; Lisa Janz; Katherine Brunson, Kelsey Witt, Sloan Williams, Susan Monge and Lisa Janz; Erin Gamble; Asa Cameron; Kristen Pearson; Emily Eklund; William Fitzhugh; Tekla Schmaus, Bryan Hanks, David Reich, Margaret Judd and Andrei Epimakhov; Rasmus Bjørn; Christina Carolus; Owen Mason; Bryan Miller and Jamsranjav Bayarsaikhan; William Taylor, Isaac Hart, Jamsranjav Bayarsaikhan, Tumurbaatar Tuvshinjargal and Nicholas Jarman

Discussants: Michael Frachetti; Alexander Kim

Symposium **DOGS IN THE ARCHAEOLOGICAL RECORD**

Time: 8:30 a.m.–11:00 a.m.

Chair: Angela Perri

Abstract: Dogs have played a critical role in human societies since their domestication. Our symposium explores dogs in the archaeological record from a worldwide perspective, utilizing methods such as ancient DNA and stable isotope analyses, ethnography, and osteobiography.

Participants: Abigail Fisher and Kelsey Witt; Amanda Burt and Larisa DeSantis; Justin Cramb and Carla Hadden; Victoria Monagle; Martin Welker, Edward Jolie, Sandra Koch and Amanda Semanko; Weronika Tomczyk and Claire Ebert; Katie Dierks, Dylan Hillis, Denis St. Claire and Iain McKechnie; Audrey Lin, Liz Hammond-Kaarremaa, Christina Stantis, Hsiao-Lei Liu and Logan Kistler; Angela Perri

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Sponsored Symposium **CORDAGE, YARN, AND ASSOCIATED PARAPHERNALIA**

(Sponsored by the Fiber / Perishables Interest Group)

Time: 8:30 a.m.–11:15 a.m.

Chairs: Ann Peters; Billie Follensbee

Abstract: Cordage and yarn are typically the earliest fiber technologies to develop in ancient societies, and this development tends to quickly lead to a plethora of further technologies, forming the basis of most constructed interworked fibrous elements, such as basketry, sandals, and twined textiles, and then the vast majority of woven fabrics. Nevertheless, cordage and yarn have also continued to exist and function independently of textiles in a wide variety of roles, including rope and string for wrapping and binding, rigging, nets, torques, belts, and quipus; composite weapons, from slings and harpoons to the crossbow, also rely on cordage. In contexts where textiles no longer survive, the presence of cordage and yarn technology is revealed by the presence of tools, including different types of spindles and whorls, rope spinners, and netting gauges, and by the presence of other associated paraphernalia, including suspended objects, net weights, cleats, and moorings. This symposium explores the enduring presence, function, and meaning of cordage, yarn, and associated tools and paraphernalia in ancient through contemporary societies worldwide.

Participants: Melody Pope; Anne Lawlor; Tim Riley; Phil Geib and Laurie Webster; Elizabeth Kallenbach; Dale Croes; Billie Follensbee; Sharisse McCafferty and Geoffrey McCafferty; Ann Peters; Jeffrey Splitstoser and Jon Clindaniel

Symposium **ADVANCES IN PUEBLA/TLAXCALA ARCHAEOLOGY**

Time: 9:00 a.m.–11:00 a.m.

Chair: Geoffrey McCafferty

Abstract: The Puebla/Tlaxcala valley has often been characterized as a crossroads connecting the Gulf Coast, the Basin of Mexico, and the southern highlands of Oaxaca. As such, it has been a cultural palimpsest over its long history with influences from many areas and a hub for long-distance trade. Nevertheless, research in Puebla/Tlaxcala has lagged behind neighboring regions. Thankfully, however, archaeological (and other) investigations have increased in recent years, such that important new discoveries and interpretations are being made. Papers in this session will sample some of the diverse research programs currently underway, including investigations in the Cholula ceremonial center, Postclassic and colonial period excavations in Puebla city and Tlaxcala, art historical interpretations of relevant pictorial manuscripts, and carved human skulls from southern Puebla and Oaxaca. The goal of this session is to introduce recent advances as well as promote dialogue among active researchers and the audience.

Participants: Lisa Overholtzer; Katrina Kosyk; Marc Marino, Wesley Stoner and Lane Fargher; Gabriela Montero; Geoffrey McCafferty; Alondra Trejo Ordoz and Oswaldo Camarillo Sánchez; Jeanne Gillespie

Discussant: Lisa Overholtzer

Symposium **APPROACHES TO ARCHAEOLOGICAL FOOTWEAR**

Time: 10:00 a.m.–12:00 p.m.

Chairs: Edward Jolie; Benjamin Bellorado

Abstract: Evidence deriving from changes in the architecture of the human foot suggests that footwear has been an important component of human technology for at least that last 50,000 years. Beyond becoming a signature feature of dress and adornment in many cultures, footwear has also played an underappreciated role in human mobility and the colonization of diverse biomes. Footwear, including diverse forms such as sandals, slippers, moccasins, and shoes, has historically been neglected in archaeological research, however, in favor of other classes of material culture. This is largely due to footwear's perishability and the challenges to classification posed by their formal and structural

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variability. Despite these limitations, prior research demonstrates the potential of ancient foot dressing practices to contribute to archaeological questions relating to ancient economies, long-term technological change and innovation, social boundaries and identities, individual- and population-level health and demography, and population movement, among other things. The primary goal of this session is to integrate often disparate threads of research involving different types of ancient footwear, as well as different methodological and theoretical approaches, to highlight the potential of such items for addressing a wide range of anthropological questions and articulate pathways for future research on archaeological footwear.

Participants: Edward Jolie and Benjamin Bellorado; Cassandra Boyer, Briana New, Arielle Pastore, Jenevieve Walbrecker and G. Richard Scott; Matthew Bennett, Sally Reynolds and Sarah Maryon; Marion Coe and Edward Jolie; Kevin Gilmore and John Ives; Benjamin Bellorado, Kelley Hays-Gilpin and Laurie Webster; Mary Weahkee, Edward Jolie and Benjamin Bellorado

Symposium **FROM THE MONUMENTAL TO THE MINUTE: ARCHITECTURE AND THE BUILT ENVIRONMENT, PART II**

Time: 10:00 a.m.–12:00 p.m.

Chair: A. Dudley Gardner

Participants: A. Dudley Gardner; Aldo Noriega; Samuel Jensen; Richard Wood, Christine Wittich, Luis Tuarez, Heather Richards-Rissetto and Melvin Elisandro Garza Roldan; Joey Case and Terry Powis; Yuko Kanazaki, Carlos Viviano, Otani Hironori, Yune Sato and Jose Onofre; Jean Pike

Symposium **QUANTITATIVE METHOD AND THEORY IN ARCHAEOLOGY**

Time: 10:00 a.m.–12:00 p.m.

Chair: Jonathan Scholnick

Participants: Nicole Payntar; Emily Smith; Jessica Totsch; Jonathan Scholnick; Michael Frim; John Duncan Hurt; Kirsty Escalante; Wesley Gibson

Symposium **LIFE AND DEATH IN MEDIEVAL POLAND**

Time: 10:15 a.m.–12:00 p.m.

Chairs: Corey Ragsdale; Maciej Gembicki

Abstract: Archaeological and osteological studies focused on populations in Medieval Poland (tenth–sixteenth centuries) remain underrepresented as we move through the third decade of this new millennium. This is especially true for studies focused on the lives of people, a subject that is more generally overlooked by historical sources. With advances in methods and technology, both archaeologists and bioarchaeologists are better equipped to answer complex questions about genetic population structure, health, stress, diet, behavior, and social structure. A synthesis of historical, archaeological, and biological data is crucial in developing a holistic view of the human experience in the past. This symposium will present current research related to these topics in the context of the High Medieval site of Giecz, and the Late Medieval sites of Gać and Dzwonowo. Although the two sites are very different in temporal and cultural context, the theme of the symposium is centered on how archaeological and osteological information can provide insight on the lives of people in Poland both during the periods of state development and the established Kingdom of Poland. The papers presented will address important and understudied topics such as studies applied to women and children, social status, urbanization, and population history.

Participants: Maciej Gembicki, Marcin Krzepakowski and Joanna Wysocka; Lydia Wegel and Corey Ragsdale; Joanna Wysocka, Beata Drupka, Paige Lynch and Marcin Krzepakowski; Katarzyna Slusarska; Paige Lynch; Corey Ragsdale and Marcin Krzepakowski

Discussant: Arkadiusz Marciniak

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Symposium **ISOTOPE STUDIES IN THE OLD AND NEW WORLDS, PART II**

Time: 10:15 a.m.–12:00 p.m.

Chair: Kirsten Lopez-Picklesimer

Participants: Melissa Ritchey; Michelle Carpenter, Robert Hard, James Watson, Elisa Villalpando and Raymond Mauldin; Rozenn Colleter, Michael Richards and Dominique Garcia; Klervia Jaouen, Pauline Méjean, Benjamin Fuller, Jéssica Mendes Cardoso and Zineb Moubtahij; Nadia Neff, Erin Ray, Viorel Atudorei and Keith Prufer; Zineb Moubtahij, Benjamin Fuller, Adeline Le Cabec and Klervia Jaouen; Kirsten Lopez-Picklesimer