

PROGRAM OF THE 82ND ANNUAL MEETING

**March 29–April 2, 2017
Vancouver, BC, Canada**



SOCIETY FOR AMERICAN ARCHAEOLOGY

THE ANNUAL MEETING of the Society for American Archaeology provides a forum for the dissemination of knowledge and discussion. The views expressed at the sessions are solely those of the speakers and the Society does not endorse, approve, or censor them. Descriptions of events and titles are those of the organizers, not the Society.

Program of the 82nd Annual Meeting

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Awards Presentation and Annual Business Meeting

MARCH 31, 2017

5:00 PM Call to Order

Call for Approval of Minutes of the
2016 Annual Business Meeting

Remarks

President Diane Gifford-Gonzalez

Reports

*Treasurer Deborah Nichols
Secretary Patricia Gilman
Executive Director Tobi A. Brimsek*

5:30 PM Presentation of Awards

*Presidential Recognition Awards
Public Service Awards
Gene S. Stuart Award
Student Poster Award
Archaeology Week Poster Award
Student Paper Award
Ethics Bowl Trophy
Scholarships and Fellowships
Dissertation Award
Book Awards
Award for Excellence in Archaeological Analysis
Award for Excellence in Cultural Resource Management
Award for Excellence in Curation, Collections
Management, and Collections-Based Research and
Education
Crabtree Award
Fryxell Award for Interdisciplinary Research
Award for Excellence in Latin American and Caribbean
Archaeology
Lifetime Achievement Award*

School for Advanced Research (SAR) Award Presentation
- Linda S. Cordell Prize

New Business
Ceremonial Resolutions
Transfer of Presidential Office

Remarks

President Susan M. Chandler

6:30 PM Adjournment

2017 Award Recipients

SAA award recipients are selected by individual committees of SAA members—one for each award. The Board of Directors wishes to thank the award committees for their hard work and excellent selections, and to encourage any members who have an interest in a particular award to volunteer to serve on a future committee.

PRESIDENTIAL RECOGNITION AWARD

Recipient: Jeffrey Altschul

We proudly present this award to Jeffrey Altschul for his tireless pursuit of improving cultural heritage management in international settings, and his dedication to historic preservation at home. Notable among his many achievements is his successful advisory input on the revised development bank safeguard policies of two major development banks. He continues to maintain good relations on behalf of SAA and cultural heritage management with representatives of the banks and to advise the President, President-elect, and International Government Affairs Committee on emergent matters on the international stage.

PRESIDENTIAL RECOGNITION AWARD

Recipient: Barbara Arroyo

We proudly present this award to Barbara Arroyo for her unceasing dedication to responsible conservation and management of Latin American cultural heritage. She has, amid her own administrative, teaching, and research responsibilities, animated and fostered collective dialogue among national Latin American archaeological communities as they move toward a more unified collaboration on common issues. Moreover, in her work to build accountability measures for development bank funding, she has articulately represented Latin American interests. Barbara Arroyo has also kept these issues so important to her Latin American colleagues at the forefront of SAA's commitments.

PRESIDENTIAL RECOGNITION AWARD

Recipient: Task Force on Gender Disparities in Archaeological Grant Submissions

We proudly present this award to the Task Force on Gender Disparities in Archaeological Grant Submissions. Lynn Goldstein and Barbara Mills, lead scholars, with Sarah Herr and Jo Burkholder, systematically investigated why women's NSF grant applications were strikingly lower than those of men's over several years. Their NSF-funded, task force-based statistical and survey research produced a textured report with thought-provoking and very useful findings and recommendations. This involved yeoman work to clean and restructure databases with relevant information but many defects into a workable form for longitudinal monitoring of female and male applications and success rates with a variety of funding sources. Their engaged and sustained work with the Director of NSF-Archaeology; National Geographic's Program Officer of

Research, Conservation, and Exploration; and President of the Wenner-Gren Foundation added texture to their research. Personal interviews with 36 female archaeologists revealed successful research funding strategies that diverged markedly from those of males. Their initiative in holding informational forums during their research process, circumspect research methods, and findings constitute a major contribution to SAA, to heads of funding agencies, to academic reviewers, and to the profession.

PRESIDENTIAL RECOGNITION AWARD

Recipient: Amity Pueblo Task Force

We proudly present this award to the original Amity Pueblo Task Force: first, for their sustained commitment to justify the trust that those tribal allies who requested SAA's participation placed in us. Second, we honor their unwavering commitment to bringing federal and state agencies to account for the damage done to this ancestral place. Over the time of the task force's tenure, and with pressure from a variety of allies, these agencies moved from denying any responsibility for repairing the damage to an ancestral site and desecration of its graves to formulating a plan of reparations that was acceptable to tribal allies, to the ACHP, and to SAA. We salute the task force's perseverance and cultural awareness.

PRESIDENTIAL RECOGNITION AWARD

Recipient: Task Force on Archaeological Survey Data Quality, Durability, and Use

We proudly present this award to the Task Force on Archaeological Survey Data Quality, Durability, and Use—Chair Richard H. Wilshusen, Michael Heilen, Wade Catts, Karyn de Dufour, and Bradford Jones—for critically assessing the quality and durability of archived archaeological data for informing land-use decisions at regional scales. Mobilizing their cumulative decades of experience with using State Historic Preservation Office (SHPO) archives, they systematically investigated their quality and durability, with an eye toward developing guidance for landscape-scale reviews. This drew upon their own experience using such data; a survey of SHPOs; a review of current literature to assess archaeological survey quality, data utility, and durability for current and anticipated future uses; and offered suggestions on how to move forward. This included a critical yet sympathetic analysis of the present-day status of SHPOs and recommendations for a digital alternative for upgrading and streamlining “the transfer and exchange of digital data and upgrading current approaches to survey and planning.” Their insights, recommendations, and “charges to the profession” were crystallized in a May 2016 report in *Advances in Archaeological Practice*, some of which are already incorporated into federal planning documents. Though developed in the context of energy development in the United States, this document is relevant to those meeting the challenges of climate change anywhere in the world.

PRESIDENTIAL RECOGNITION AWARD**Recipient:** Task Force on Regional Planning

We proudly present this award to the Task Force on Regional Planning—Chair William Doelle, Pat Barker, David Cushman, Michael Heilan, and Cynthia Herhahn—for articulating productive strategies for incorporating archaeological sites and regions into landscape-scale development planning. Drawing upon their cumulative decades of experience in regional site survey and analysis as well as an extensive archaeological literature, they critically reviewed three current approaches to landscape-level planning in archaeology: predictive modeling, priority modeling, and expert informed priority area planning. Their insights and recommendations were crystallized in a May 2016 report in *Advances in Archaeological Practice*, some of which are already incorporated into federal planning documents. Though developed in the context of energy development in the United States, this document is relevant to those meeting the challenges of climate change anywhere in the world.

PRESIDENTIAL RECOGNITION AWARD**Recipient:** Task Force on Valuing Archaeological Resources

We proudly present this award to the Task Force on Valuing Archaeological Resources—Chair Francis P. McManamon, John Doershuk, William D. Lipe, Tom McCulloch, Christopher Polglase, Sarah Schlanger, Lynne Sebastian, and Lynne Sullivan—for leadership in defining parameters for site valuation decisions in landscape-scale development plans. Their compilation and critical review of important landscape-scale case studies associated with military installations or areally extensive energy development, as well as those dealing with the unique demands of National Parks, is in itself a key resource for planners. Beyond that, their discussion of key variables—including tribal or public use and educational potential—constitutes a thought-provoking discussion of why avoidance-based resource tactics will not serve archaeologists in meeting current challenges in archaeological heritage management. Their insights and recommendations were crystallized in a May 2016 report in *Advances in Archaeological Practice*, some of which are already incorporated into federal planning documents. Though developed in the context of energy development in the United States, this document is relevant to those meeting the challenges of climate change anywhere in the world.

PRESIDENTIAL RECOGNITION AWARD**Recipient:** Task Force on Professional Archaeologists, Avocational Archaeologists, and Responsible Artifact Collectors Relationships

We proudly present this award to the Task Force on Professional Archaeologists, Avocational Archaeologists, and Responsible Artifact Collectors Relationships — Chair Bonnie L. Pitblado, Scott Brosowske, Virginia L. Butler, Jim Cox, Chris Espenshade, Angela J. Neller, Giovanna Peebles, Peter Pilles, Guadalupe Sánchez, Richard Shipley, Michael Shott, Rafael Suárez, and Suzie Thomas—for their rigorous and inclusive approach to developing an active dialogue among professionals, avocational archaeologists, and those whom they define as responsible and responsive stewards of the past. The task force included

members of all groups and engaged in serious comparative discussions of relations among them in different countries. Their informative survey of 249 members of all communities regarding experiences, attitudes, and practices also informed their development of protocols and practices to guide interactions among SAA members, avocationals, and responsible and responsive collectors. The task force's work, at the same time rigorous in articulating standards for behavior and open to all stakeholders with a principled interest in the American past, has defined the next steps for SAA's outreach, education (including professional archaeologists' education), and collections documentation. We thank them for this major contribution.

PRESIDENTIAL RECOGNITION AWARD

Recipient: Task Force on Guidelines for Promotion and Tenure for Archaeologists in Diverse Academic Roles

We proudly present this award to the Task Force on Guidelines for Promotion and Tenure for Archaeologists in Diverse Academic Roles—Chair LuAnn Wandsnider, Jon Driver, Ted Goebel, Lynne Goldstein, P. Nick Kardulias, Fred Limp, and Heather Richards. Their guide for academic tenure committees and administrators to evaluate archaeological research provides a clear set of expectations, criteria, and sources for assessing both traditional archaeological research and a variety of digital scholarship formats. This document joins guides by the American Anthropological Association and the Archaeological Institute of America, assuring evenhanded treatment of anthropological archaeology's sometimes nonstandard forms of research activity and production. It is a major contribution not only to our academic members but also to the integrity of institutional review processes.

PUBLIC SERVICE AWARD

Recipient: Abdel Kader Haidara

We proudly present this award to Abdel Kader Haidara and other Timbuktu residents who in 2012 risked much to protect their heritage, for rescuing 350,000 of Timbuktu's extraordinary historical manuscripts from Islamist insurgents. Abdel Kader Haidara is the founder and director of the Mamma Haidara Library in Timbuktu, Mali. This library was established to conserve and catalogue the Haidara family collection of manuscripts, which is one of the largest and oldest collections in a city famed for its wealth of historical documents. He had earlier been involved in efforts to conserve and digitize Timbuktu's manuscript collections and so made them available to readers worldwide. When Islamist insurgents affiliated with al-Qaeda in the Islamic Maghreb (AQIM) seized Timbuktu in January 2012, Haidara coordinated an effort to save the city's manuscript treasures, first by hiding the contents of more than 40 libraries around the city, and ultimately spiriting away 350,000 documents to safety in Bamako, Mali's capital. Abdel Kader Haidara's work was central to the protection of this extraordinary historical resource, and this award honors his courage and that of many Timbuktu residents who rescued these documents for Mali, for Africa, and for the world.

PUBLIC SERVICE AWARD

Recipient: Fatou Bensouda

We proudly present this award to Chief Prosecutor Fatou Bensouda and her International Criminal Court team for their successful, precedent-setting prosecution in 2016 of cultural heritage destruction as a war crime. Fatou Bensouda was the chief prosecutor at the International Criminal Court who brought the first case against an individual for the destruction of cultural properties as a war crime. Bensouda and her team brought charges against Ahmad al-Faqi al-Mahdi, a member of an Islamist militant group accused of the destruction of mosques and mausoleums during the occupation on Timbuktu, Mali, in 2012–2013. These historical structures were central elements in Timbuktu's designation on UNESCO World Heritage list (<http://whc.unesco.org/en/list/119/>). al-Faqi al-Mahdi was apprehended and brought before the ICC in mid-2016, where he pled guilty and was sentenced to nine years' imprisonment. This successful case establishes a precedent for prosecuting the destruction of cultural properties as war crimes, a vital step at a time when such properties are increasingly at risk in armed conflicts around the globe.

GENE S. STUART AWARD

Recipient: Elizabeth Svoboda

Elizabeth Svoboda, writing for Sapiens.org, is the winner of the 2017 Gene S. Stuart award for archaeological journalism. Her article "The Darkest Truths" is an informative and thoughtful look into Holocaust archaeology with its attending ethical dimensions and responsibilities. The article focuses on the Reinhard death camps and the work of Dr. Caroline Sturdy Colls, whose careful application of noninvasive methods and outreach has made this work a reality. Svoboda's article discusses the relationships between archaeology, data-gathering methods, community outreach, and ethics in a reasoned and fascinating manner.

PAUL GOLDBERG AWARD (FORMERLY THE GEOARCHAEOLOGY MA/MS INTEREST GROUP AWARD)

RECIPIENT: HEIDI VAN ETTEREN

The Paul Goldberg Award goes to Heidi Van Etten, an MA student from the University of Wyoming. Her work on the OSL dating of the important Paleoindian site of Hell Gap aims to answer outstanding questions about the formation processes of key layers within the sequence. We are pleased that this year's award will support Van Etten's research efforts.

DIENJE KENYON FELLOWSHIP

Recipient: Katie Tardio

Katie Tardio's project investigates the impacts of early Roman Empire expansion and colonization by studying the first Roman settlements outside of Italy, specifically military camps in Iberia (modern Spain) and the local settlements surrounding them. This analysis will address the effects of the earliest Roman armies in the Spain, focusing on the daily lives of the soldiers in their camps, the impact these camps made on the surrounding landscapes, and the cultural

exchanges made between these groups in regard to animal economy and foodways including animal husbandry, trade networks, and food preferences. Using a combination of zooarchaeological analyses and ancient texts, the following questions are examined: (1) How were Roman military settlements provisioned? Was it with imported meat, did they raise their own cattle, or did they tap into local markets? (2) What effect did Roman legions have on the husbandry and dietary patterns of the surrounding local populations? (3) How do results from Iberia compare with data from other regions of Roman conquest? This study focuses on one of the earliest Roman camps in the Mediterranean: Renieblas, Spain, where five Roman camps dated to the second and first centuries BCE have been identified. Although the nature of Roman animal economy and provisioning has been addressed for later Roman provinces, such as Britain and the Netherlands, little is known about the economics of early Roman expansion in Iberia. The analysis of animal remains from Iberian military settlements is therefore crucial to understanding how the army and camps were provisioned and how this, in turn, affected local economies and foodways.

FRED PLOG MEMORIAL FELLOWSHIP

Recipient: Katelyn Bishop

Katelyn Bishop has earned the Fred Plog Memorial Fellowship for her dissertation research on the nature of social and ceremonial organization and inequality in Chaco Canyon, New Mexico. By examining the role of birds in ritual practice, and by highlighting changes and variation in ritual practice over time, Bishop's dissertation explores how ritual may have been used to negotiate a changing social and religious environment. This research employs three lines of evidence: avifaunal remains, iconographic representations of birds, and isotopic analysis of raptor remains. These data will not only document the physical use of birds in ritual practice, but also will illuminate the deeper symbolic meanings that may have guided their involvement in ritual and everyday life.

DOUGLAS KELLOGG FELLOWSHIP FOR GEOARCHAEOLOGICAL RESEARCH

Recipient: Justin Nels Carlson

Justin Nels Carlson is the recipient of the Douglas Kellogg Fellowship for Geoarchaeological Research. Carlson is a PhD candidate at the University of Kentucky. His project focuses on the site of Crumps Sink (KY), a sinkhole containing a rich Archaic sequence. Funding from the award will support Carlson's efforts to reconstruct the local vegetation communities using analyses of stable isotopes of soil organic material.

DISSERTATION AWARD

Recipient: Bernadette Cap

Bernadette Cap has won the 2017 SAA Dissertation Award for her dissertation "Classic Maya Economies: Identification of a Marketplace at Buenavista del Cayo, Belize," completed in 2015 in the Department of Anthropology at the University of Wisconsin–Madison. This innovative dissertation provides the strongest documentation to date that Classic Maya centers had marketplaces, effectively ending debate about that question. Because marketplace stalls are

usually ephemeral, Cap developed a robust suite of material expectations for marketplace activities, which she tested through a rigorous methodology combining geophysical survey, systematic shovel-testing, stripping excavations, macro- and microartifact analysis, and soil chemistry analysis, and she demonstrated that Buenavista's East Plaza was a marketplace. She documented its spatial organization and the wares being sold. With her sophisticated and innovative research design, Cap has made a major contribution to our knowledge of ancient Maya economies, while providing a methodology applicable to investigating ancient marketplaces around the world.

BOOK AWARD: SCHOLARLY**Recipient:** Carolyn E. Boyd

In *The White Shaman Mural: An Enduring Creation Narrative in Rock Art of the Lower Pecos*, Carolyn E. Boyd provides a highly sophisticated, cutting-edge analysis of what is arguably North America's most outstanding example of rock art, for its exquisite artistry, fascinating complexity, and preservation. Through a meticulous examination of the panel's layering, iconography, and composition, Boyd arrives at an analytical breakthrough: this is a work by a single artist that materializes an Archaic Native creation narrative ultimately related to Mesoamerican origin mythology. Aside from the contribution to regional knowledge, the innovative methodologies used here have the potential to influence rock art research globally. Boyd writes in a clear and accessible manner and is generous in sharing credit with her team of researchers. We especially commend the high quality of production, with a large format and many superb color plates and illustrations that vividly bring to life a masterpiece of hunter-gatherer art.

BOOK AWARD: SCHOLARLY HONORABLE MENTION**Recipient:** Enrique Rodriguez-Alegría

Enrique Rodriguez-Alegría's book, *The Archaeology and History of Colonial Mexico: Mixing Epistemologies*, offers an original and thoughtful consideration of the disjunctions that arise in reconciling archaeological and historical evidence. The problem is illustrated in a series of detailed, interesting case studies from the author's extensive work on early colonial Mexico. Rodriguez-Alegría argues we may achieve a more judicious integration of archaeology and history when we recognize how interpretations and narratives are made in each discipline, by somewhat different forms of reasoning. His writing is crystal clear and jargon-free, even on complex topics, and the case material is satisfactorily rich. This is a serious and smart attempt at embracing the full possibilities of complicated, contradictory evidence, one that stands to influence the future of archaeological scholarship on colonial and historic periods.

BOOK AWARD: POPULAR**Recipient:** Michael E. Smith

Michael E. Smith's book, *At Home with the Aztecs: An Archaeologist Uncovers Their Daily Life*, is a lively tour of both the workings of Aztec rural communities and the day-to-day reality of archaeological field research, from the perspective of a seasoned archaeologist looking back at his career. Written in highly

approachable first-person prose, and peppered with interesting tidbits and amusing anecdotes, the book should appeal broadly to undergraduates in archaeology courses and the general public alike. But it is also a learned, serious attempt to humanize the Aztecs and challenge misleading popular narratives through a theoretically informed interpretation of Aztec life grounded in scientific evidence. Ultimately, Smith's book vividly traces the process of archaeological discovery and knowledge production, with all its unexpected twists and turns.

AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS

Recipient: Steven Kuhn

Steven Kuhn has earned the award for Excellence in Archaeological Analysis for his methodological and theoretical contributions to lithic analysis. His work has transformed the way prehistoric archaeologists think about the role of lithic artifacts in past hunter-gatherer societies and has broad relevance for scholars who work in diverse global settings and time periods. His important work on Paleolithic assemblages in the circum-Mediterranean region, north China, and Serbia has contributed greatly to our understanding of hominid behavior. In addition to his scholarly contributions, he has been a valued teacher and mentor, training many students who have gone on to be lithic scholars.

AWARD FOR EXCELLENCE IN PUBLIC EDUCATION

Recipient: Kristina Killgrove

Dr. Kristina Killgrove has earned the SAA's Award for Excellence in Public Education for her exemplary contributions to public education and service to the profession. Dr. Killgrove's masterful contributions to writing archaeologically for the general public have included her own website as well as at Forbes.com and at Mental Floss, with some online compositions receiving millions of views. She has produced an extensive corpus of published work on how archaeology, anthropology, and science intersect with our daily lives, as well as having excelled as a teacher and scholar. In particular, she has successfully entered into the public fray on ethical issues related to the treatment of human remains and how nonrenewable archaeological resources can be exploited by television and looting. Finally, her online writing has served as a litmus test for the efficacy of how archaeologists can serve as barometers of the "truth," and how we can actively work against the dissemination of falsehoods like Dr. Ben Carson's patently untrue claim that the Egyptian pyramids were used to store grain. For her storytelling, advocacy, and public outreach, we are proud to nominate Dr. Killgrove for this award.

AWARD FOR EXCELLENCE IN CULTURAL RESOURCE MANAGEMENT

Recipient: Jeffery Franz Burton

Jeffrey Franz Burton is the 2017 recipient of the SAA's Excellence in Cultural Resource Management Award for his administrative and management skills as well as for his promotion of socially relevant aims for our profession. Mr. Burton's work on the incarceration of Japanese-Americans during World War II illustrates how archaeology can be employed to illuminate racism in the treatment of

immigrants. As a manager and administrator he was able to mobilize limited funds and resources efficiently and effectively to underscore the mission of the National Park Service. In his public outreach program he was able to show future generations that the charge of archaeology can be directed for socially relevant work in the interests of the public good.

AWARD FOR EXCELLENCE IN CURATION, COLLECTIONS MANAGEMENT, AND COLLECTIONS-BASED RESEARCH AND EDUCATION

Recipient: John P. Hart

John P. Hart has earned the SAA's Award for Excellence in Curation, Collections Management, and Collections-Based Research and Education for his outstanding scholarship and professional leadership in collections-based research. He has consistently applied a multidisciplinary, cutting-edge, and team-oriented analysis of archaeological collections to ask new and standing questions about the past. In particular, he has led groundbreaking research in microbotanical and absorbed residue studies to understand the origins of food production in the Eastern Woodlands.

CRABTREE AWARD

Recipient: Daniel Wendt

Daniel Wendt has spent over 30 years documenting prehistoric sites and conducting archaeological research in the Upper Mississippi Valley. His research encompasses Paleoindian site distributions, Hopewell archaeology, survey methods, and the later prehistory of the Red Wing area. He has been particularly active in documenting the natural and cultural distribution of Upper Midwestern toolstones. His current research involves source distributions of Chequamegon quartzite in Wisconsin.

Wendt has published 11 scholarly papers, written 34 technical reports (many for the Institute for Minnesota Archaeology), and made countless professional and public presentations. He has reported nearly 700 archaeological sites in Wisconsin and more than 65 in Minnesota, and created the Minnesota Historical Society's comparative toolstone collection. The 2016 recipient of the Wisconsin Archaeological Society's Lapham Research Medal, Wendt currently serves as president of the Minnesota Archaeological Society.

Overall, Dan Wendt's range of efforts and committed engagement with the professional archaeological community and general public on behalf of Midwestern prehistory make him a deserving recipient of the Crabtree Award.

THE FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH

Recipient: Naomi Frances Miller

Naomi Miller has earned the SAA's Fryxell Award for Interdisciplinary Research for her combination of scholarship and service to the profession. Miller's extraordinary contributions to American, Mediterranean, Near Eastern, and Central Asian archaeology have included institution building in interdisciplinary research, historic preservation, conservation archaeology, and continuing education. She has produced an outstanding body of published work and

founded the MASCA Archaeobotany Laboratory with its exceptional Near Eastern reference collection. Miller has educated a generation of new researchers during her long career, and her pivotal research on taphonomy, food and resource security, and quantitative methods have had international impact. This award thus also lauds Naomi Miller's long and expert service in developing refinements to paleoethnobotanical and, more generally, archaeological practice. Her career is an admirable model for highly collaborative, interdisciplinary research in archaeology.

LIFETIME ACHIEVEMENT AWARD

Recipient: David Hurst Thomas

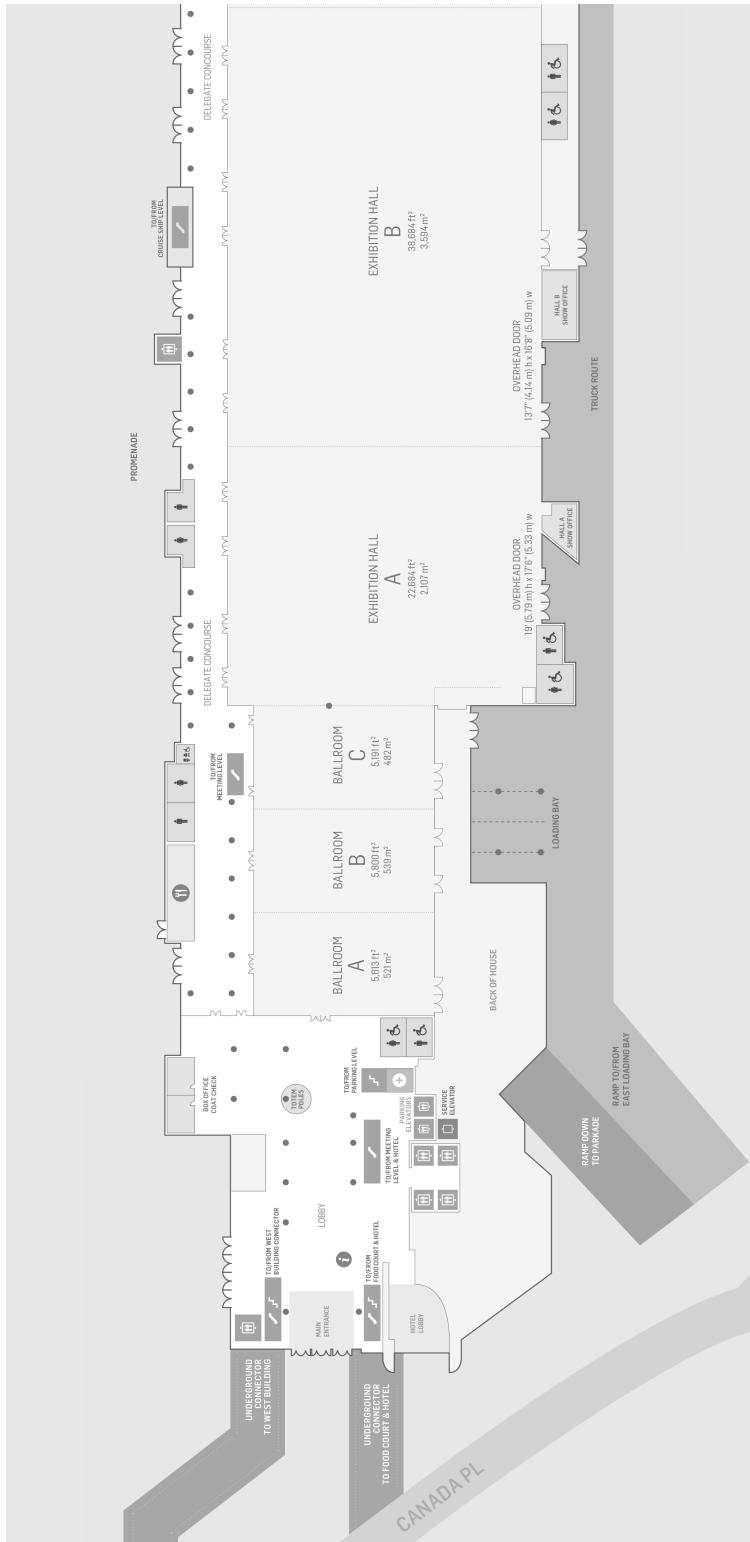
David Hurst Thomas has earned the Lifetime Achievement Award for substantial, significant, and deep contributions to American archaeology. He created and implemented a model for long-term field and laboratory studies that is now the discipline's gold standard. These studies have made many theoretical and methodological contributions to prehistory and history of Native Americans, to field and laboratory practices in archaeology, and to the study of culture contact and colonialism. Thomas has reached successive generations of archaeologists through his textbooks that are widely used in introductory archaeology courses. He has mentored many of the top archaeologists working in North America today by providing them with internships during the formative years of their careers. He has been on the forefront of making anthropology and archaeology relevant to the broader public through his program of publications and museum exhibits, and he has played a crucial role in making archaeology a more inclusive field.

THE SCHOOL FOR ADVANCED RESEARCH LINDA S. CORDELL PRIZE

Recipient: Scott G. Ortman

The School for Advanced Research presents the Linda S. Cordell Prize to Dr. Scott Ortman for his book *Winds from the North: Tewa Origins and Historical Archaeology*. The prize is awarded to a living author for a book in archaeology or anthropological archaeology that best exemplifies excellence in writing and significantly advances archaeological method, theory, or interpretation. The award recognizes innovative works that reach out to other subfields of anthropology or related disciplines. The award was established in honor of Dr. Linda S. Cordell, who is remembered among her colleagues and students as a warm, giving, sharing, and mentoring figure in the landscape of American archaeology.

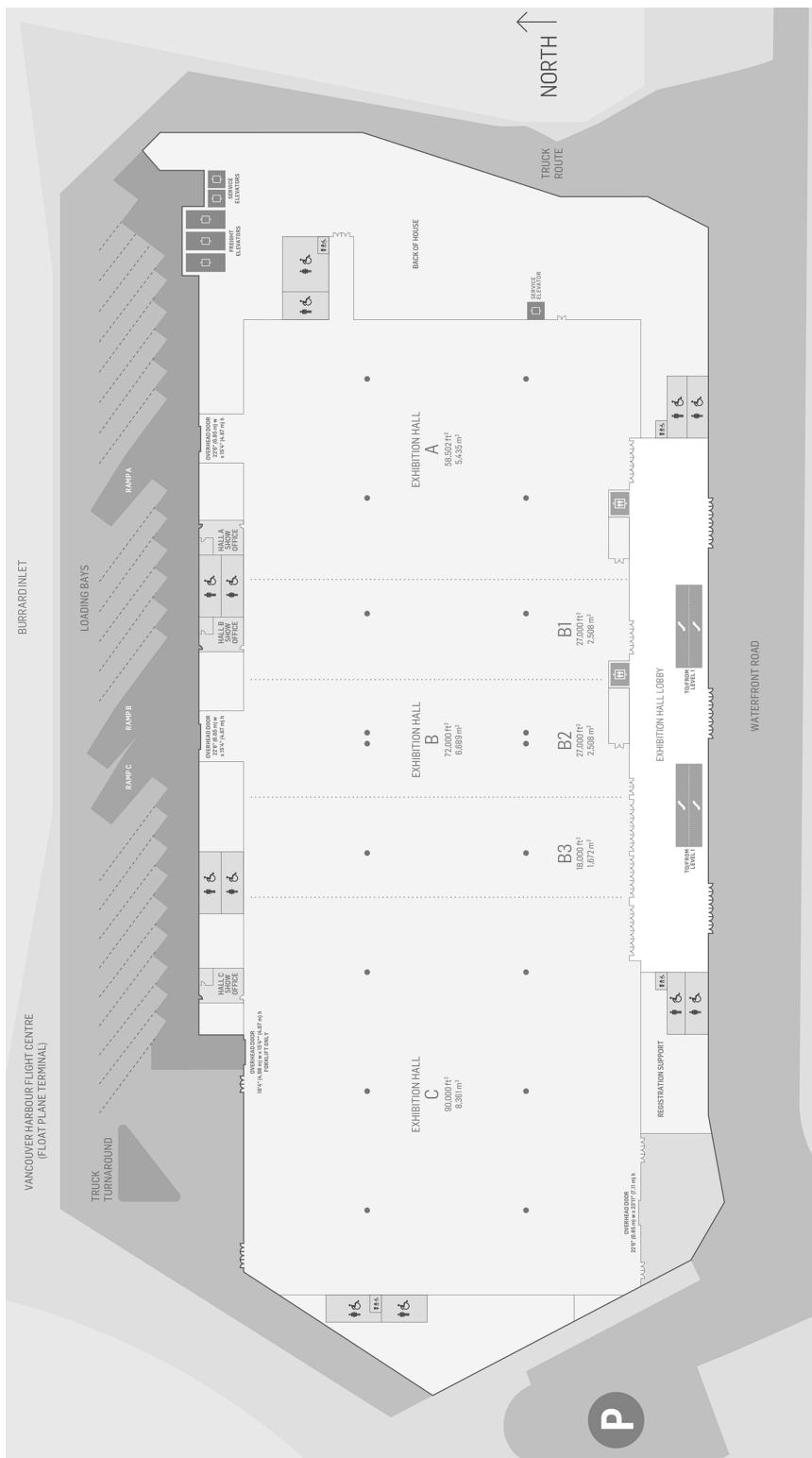
Vancouver Convention Centre
East—Convention





Vancouver Convention Centre
East—Meeting Rooms

Vancouver Convention Centre
West—Lobby Level

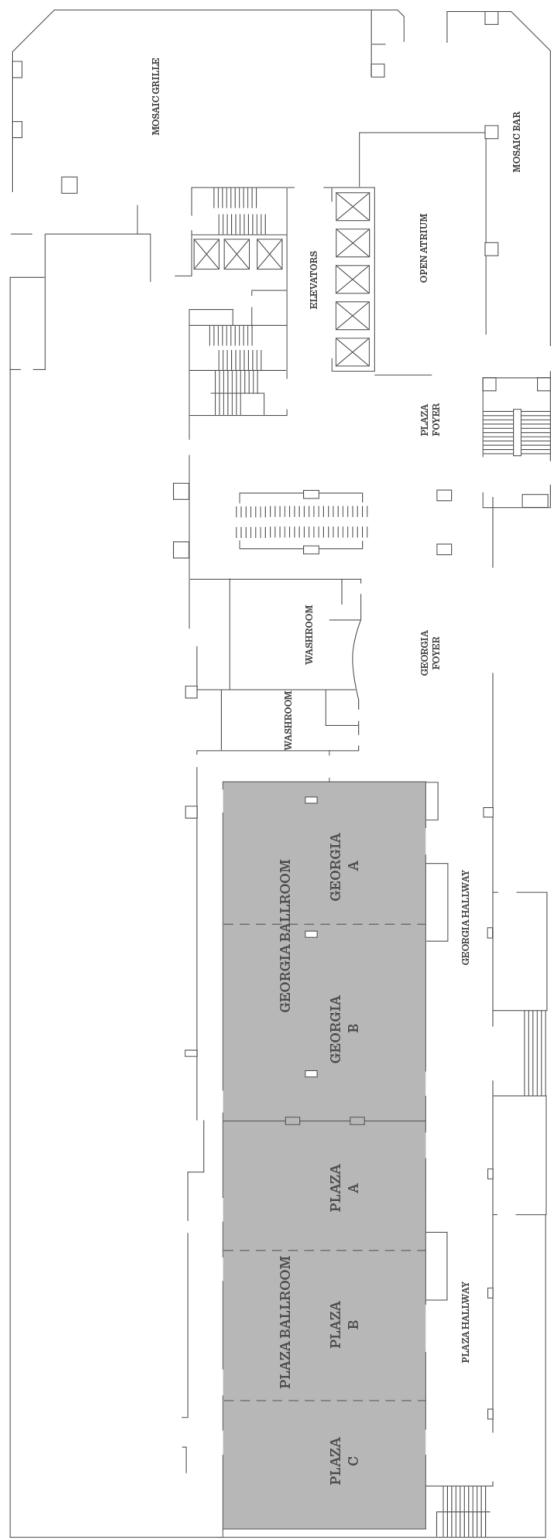




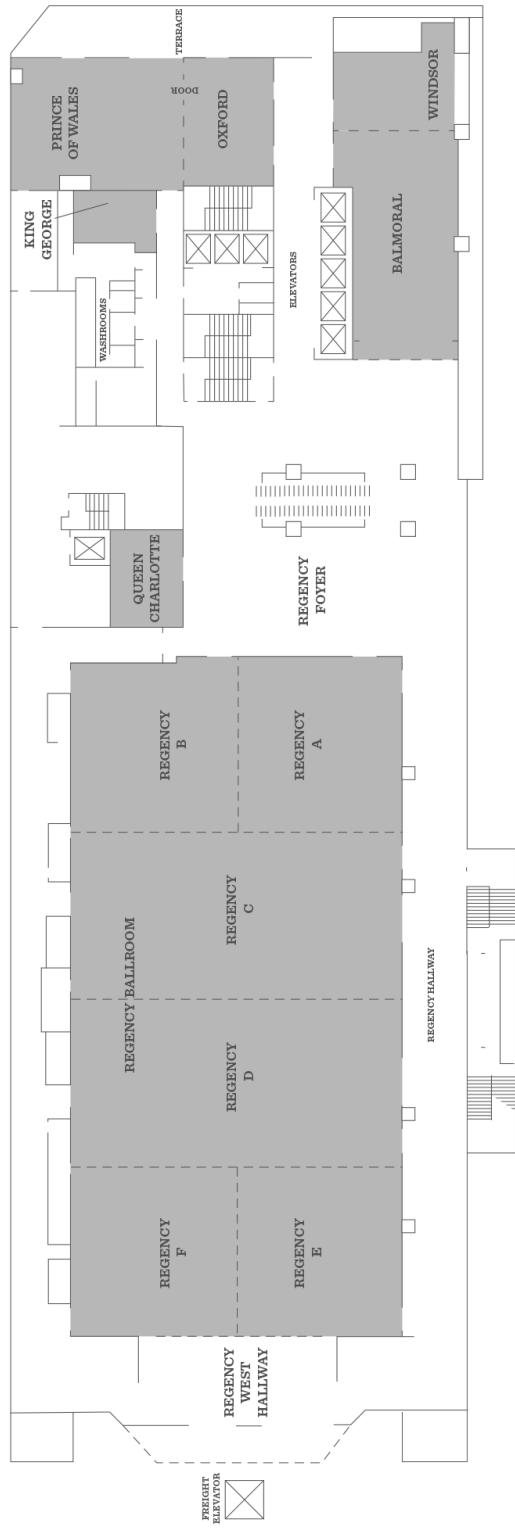
Vancouver Convention Centre
West—Level One



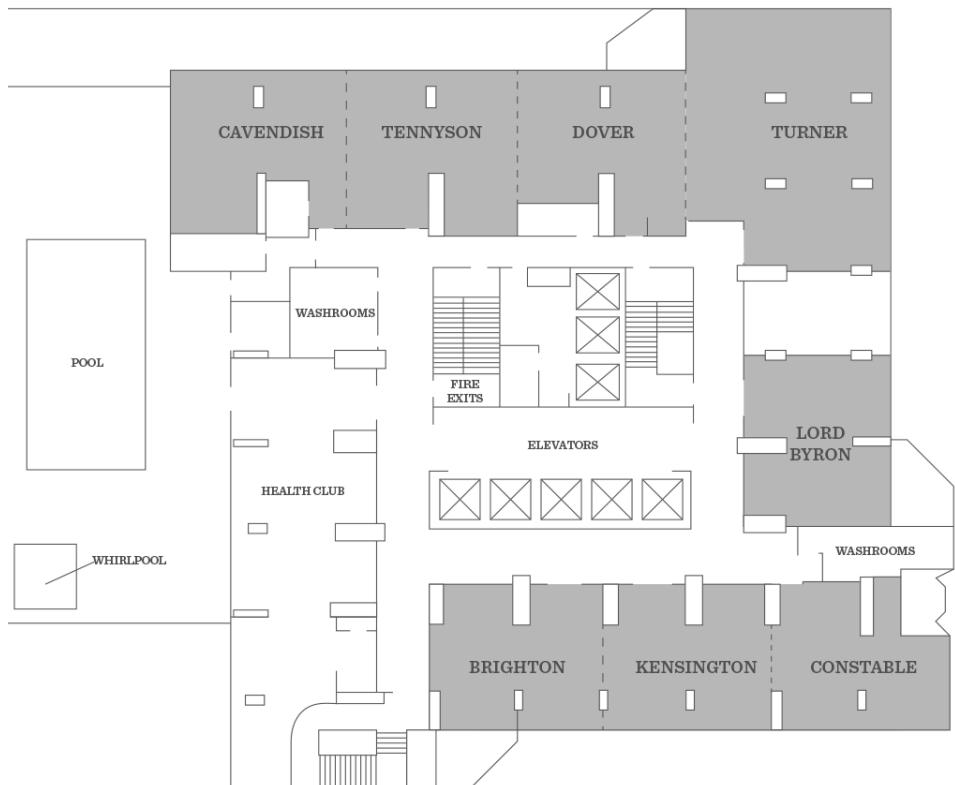
Vancouver Convention Centre
West—Level Two



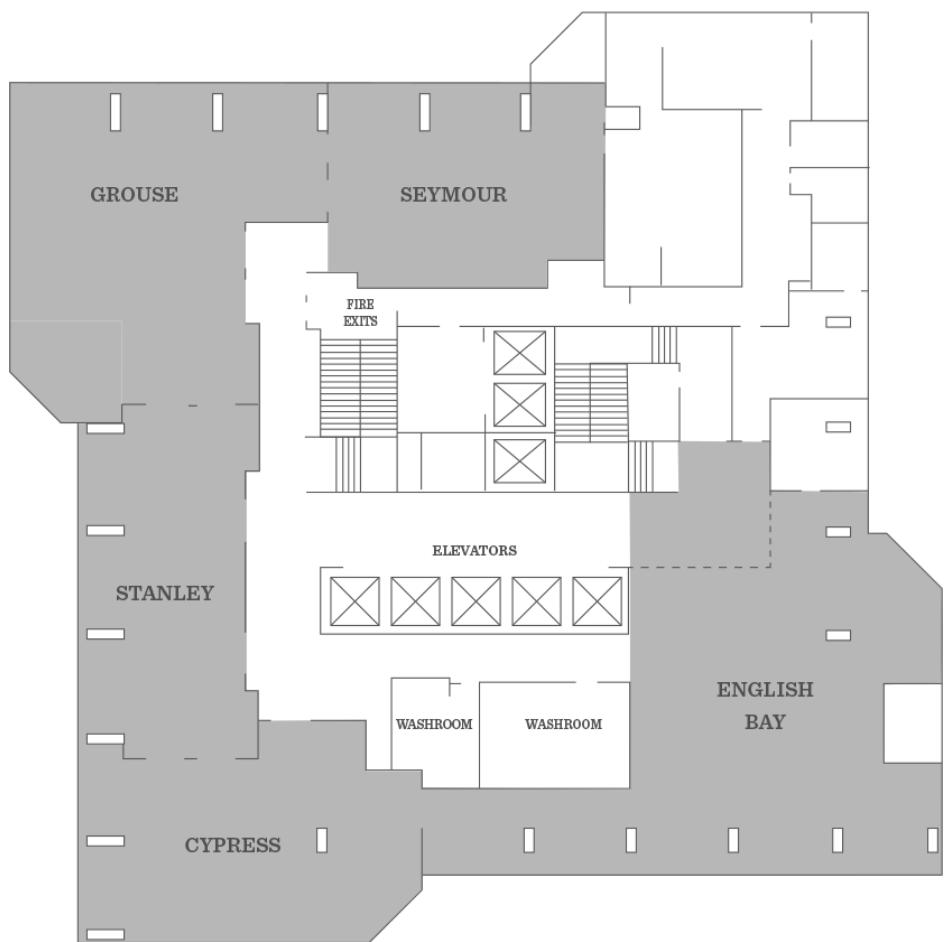
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Second Floor



Hyatt Regency
Third Floor



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Hyatt Regency
Thirty-Fourth Floor

**SOCIETY FOR AMERICAN ARCHAEOLOGY
82ND ANNUAL MEETING**

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Maya Allen-Gallegos
Manager, Publications

Cheryl Ardovini
Manager, Membership and Marketing

Jonathon Koudelka
Manager, Financial and Administrative
Services

David Lindsay
Manager, Government Affairs

Elizabeth Pruitt
Manager, Education and Outreach

Amy Routledge
Manager, Communications and
Fundraising

Cheng Zhang
Manager, Information Services

Solai Sanchez
Coordinator, Membership and Meetings

STUDENTS, JOIN US!**WEDNESDAY, MARCH 29, 9 PM–10:30 PM, REGENCY A/B/C (H)**

All student attendees are invited to attend this reception hosted by Cambridge University Press, SAA's new journal publishing partner, and SAA's Board of Directors in cooperation with SAA's Student Affairs Committee. *Have a drink (soft drinks provided; if of age, you may use your soft drink ticket toward the purchase of a beer or glass of wine).* Meet SAA's leadership. Have a snack. Meet a mentor. Network with other students. Learn more about SAA. Students are the future of SAA.

On average, members attend more than 20 SAA meetings in their careers. Let this be one of the starting points of your engagement!

**SAA'S BOARD OF DIRECTORS WOULD LIKE TO THANK
CAMBRIDGE UNIVERSITY PRESS FOR THEIR GENEROUS SUPPORT
OF THE STUDENT RECEPTION.**



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SAA
The logo for the Society for American Archaeology, consisting of the letters "SAA" in a bold, sans-serif font above a stylized geometric pattern of squares and rectangles.

SOCIETY FOR AMERICAN ARCHAEOLOGY

GENERAL INFORMATION

MEETING ROOM LOCATIONS

As meetings are scheduled at both the Hyatt Regency Vancouver and the Vancouver Convention Centre, the following location designators will be used in conjunction with room names/numbers:

H = Hyatt Regency Vancouver

VCC = Vancouver Convention Centre

ABSTRACTS

The abstracts are available to all on the public side of SAAweb.

On-site, in the East Building South Foyer (VCC), will be an **Abstract Viewing Center** where you will be able to reference the abstracts at your convenience through a group of computers provided for that purpose.

AWARDS CELEBRATION & ANNUAL

BUSINESS MEETING

The Society's annual awards presentation and business meeting will be held at 5:00 pm on Friday in the Vancouver Convention Centre in East Exhibit Hall A (VCC).

CULTURAL RESOURCE MANAGEMENT CAREER (CRM) EXPO

Sponsored by the *American Cultural Resources Association (ACRA)* and SAA, the CRM Expo will be held from 1:00 pm to 4:00 pm East Exhibit Hall B (VCC), Saturday, April 1. Representatives from CRM firms and programs will be available to chat informally and individually with Expo attendees about their organizations, career paths available, etc. A complete list of Expo exhibitors will be provided at the event. You do not need to be registered for the SAA Annual Meeting to attend the CRM Expo. *You may register at meeting registration for the Expo on April 1 from 12:00 pm to 3:30 pm that day at no charge.* The Expo registration will only admit you to the Expo.

BADGE USE

Badge use is mandatory due to the meeting logistics. Attendees are asked to display their badges to attend meeting events. Badge checkers will be

monitoring access to all SAA meeting space. Thank you in advance for your assistance.

EMERGENCY INFORMATION CARD

In your registration packet, on your badge and ticket sheet, SAA has included an Emergency Information Card. Please fill out this card completely and slip it behind your badge in your badge holder. Should this information be required, it will then be readily accessible. Thank you.

EXHIBITS

The SAA Annual Meeting Exhibit Hall provides an exciting array of products and services for you to review—you'll find technology, field equipment, publications, archaeological services, and more! All the tools and information you are looking for will be on display Thursday, March 30, from 9:00 am to 5:00 pm; Friday, March 31, from 9:00 am to 5:00 pm; and Saturday, April 1, from 9:00 am to 5:00 pm, in East Exhibit Hall B (VCC).

GENDER INCLUSIVE BATHROOMS

There will be Gender Inclusive Bathrooms in both the Hyatt Regency Vancouver and the Vancouver Convention Centre from March 29-April 2. At the Hyatt, these will be located at the 2nd, 3rd, and 4th floor Accessible Washrooms (H). Locations for the Vancouver Convention Centre will be posted in the lobby near Registration.

GUEST BADGES

Guest Badges were initiated for **immediate family members** who are **non-archaeologists** and who need access to the meeting venue as guests of meeting registrants. Guest badges are available only to **immediate family members** of a registered meeting attendee (assuming the guest is a non-archaeologist). Immediate family includes spouse/partner, parents, and children. Friends, colleagues, and other relatives are **not** eligible for guest badges. The registrant must purchase a guest badge that the guest must display at the meeting venue. Guest badges simply provide access to the meeting venue. Guests are not "meeting

attendees." **If a guest badge is to be purchased on-site, the meeting registrant must accompany the guest to registration.** Accompanied children 12 years of age or under are not required to display a guest badge. Unaccompanied children may not attend the annual meeting.

NEW MEMBER AND FIRST-TIME ATTENDEE MEETING ORIENTATION

Come and get the scoop on how to navigate the annual meeting from 5:30 pm to 6:00 pm in Balmoral (H) on Wednesday, March 29. Ask questions and be prepared just before the Opening Session/President's Forum kickoff. We would like to welcome you to Vancouver at this brief but information-packed session! No pre-registration required!

OFFICE

From Monday, March 27 to Wednesday morning, March 31, the SAA Staff Office is located at the Hyatt Regency Vancouver in Turner (H). From Wednesday to Sunday, the SAA Staff Office will be located at the Vancouver Convention Centre in East Meeting Room 6 (VCC).

OPENING SESSION/PRESIDENT'S FORUM

The Opening Session/President's Forum, *Climate Change, Archaeology, and Community Engagements*, will be on Wednesday, March 29, in Ballroom ABC (VCC) from 6:30 pm to 8:30 pm.

POSTER SESSIONS

ALL POSTER SESSIONS ARE TWO-HOUR SLOTS.

Poster sessions will be conducted in East Exhibit Hall B (VCC; Poster Entrance) beginning on Thursday, March 30. Each session contains different posters, whose authors and space assignments are listed in the program. Please check the program or *Sessions at a Glance* for the poster session schedule.

PRESS OFFICE

The Press Office, located in East Box Office on the Lobby level (VCC), will be open Wednesday through Saturday, 9:00 am–5:00 pm, and on Sunday, 9:00 am–12:00 pm, staffed by Amy Rutledge, SAA's manager, Communications and Fundraising.

REGISTRATION

Registration is located in the East Lobby (VCC). Registration hours: Wednesday, 2:00 pm–8:00 pm; Thursday, 7:00 am–8:00 pm; Friday, 7:00 am–4:00 pm; Saturday, 7:00 am–4:00 pm; and Sunday, 7:00 am–8:00 am. Individuals who registered by March 1, 2017, can pick up their registration packets at the Advance Registration counters.

Individuals who have not registered in advance should report to the On-Site Registration desk. *A badge is required for admission to meeting sessions, workshops, excursions, and exhibits.* A \$5 fee will be charged to replace a badge or program book.

SESSION CHAIRS

Please maintain the established schedule in fairness to persons planning to attend specific presentations; please pause for the period allotted in the program if a scheduled speaker fails to appear. **It is very important that all session chairs end at their scheduled times.**

SMOKING POLICY

Smoking is prohibited.

SPEAKER READY ROOM

For presenters who wish to check a presentation, LCD projectors and screens will be available in the Speaker Ready Room in the East Building South Foyer Office (VCC). The Speaker Ready Room will be open on Wednesday from 2:00 pm to 8:00 pm, on Thursday from 7:00 am to 9:00 pm, on Friday and Saturday from 7:00 am to 6:00 pm, and on Sunday from 7:00 am to 11:45 am.

STUDENT WELCOME RECEPTION—ALL STUDENT ATTENDEES

All student attendees are invited to attend a mixer hosted by Cambridge University Press and SAA's Board of Directors in cooperation with SAA's Student Affairs Committee. From 9:00 pm to 10:30 pm on Wednesday in Regency A/B/C (H), meet SAA leadership, network with colleagues, and learn more about SAA! *Soft drinks provided, or you can use your soft drink ticket toward the purchase of a glass of wine or a beer, if you are of age.* Don't forget to pre-register for this event to get a drink ticket in your packet!

FEATURED SESSIONS

Opening Session/President's Forum

Title: Climate Change, Archaeology, and Community Engagements

Date: Wednesday, March 29, 2017

Time: 6:30 pm–8:30 pm

Location: Ballroom ABC (VCC)

New in 2017: Lightning Rounds

Title: The Question of C-Shaped Structures across the Maya Lowlands

Date: Thursday, March 30, 2017

Time: 1:00 pm–3:00 pm

Location: East Meeting Room 9

Title: Enduring Culture History: Constructions of Past Communities and Identities in the Twenty-First Century

Date: Saturday, April 1, 2017

Time: 8:00 am–10:00 am

Location: East Meeting Room 15

Title: Modeling Agro-Pastoralism in Eurasia

Date: Saturday, April 1, 2017

Time: 8:00 am–10:00 am

Location: West Meeting Room 209

Title: "So do you, like, wear a hat like Indy?" "Cool, I love dinosaurs!" "My grandpa has this really awesome pot in the attic." "Can you shut down the pipeline?"—Effective Communication about Archaeology in Three Minutes Or Less

Date: Saturday, April 1, 2017

Time: 10:00 am–12:00 pm

Location: East Meeting Room 17

Title: Breaking News! Lightning Strikes Crowd of Archaeologists at SAA Annual Meeting: Stunned Spectators Walk Away with Amazing Stories of Ethnoarchaeology, Experimental, and Cultural Studies Research

Date: Saturday, April 1, 2017

Time: 1:00 pm–3:00 pm

Title: Breaking Ground without a Shovel: Collections-Based Research in the Field Of Archaeology

Date: Saturday, April 1, 2017

Time: 1:00 pm–3:00 pm

Location: West Meeting Room 207

Title: Institute for Digital Archaeology Method and Practice Project Reports

Date: Sunday, April 2, 2017

Time: 8:00 am–10:00 am

Location: East Meeting Room 7

Ethics Bowl

Date: Thursday, March 30, 2017

Time: 1:00 pm–3:00 pm

Location: West Meeting Room 208 (VCC)

The Ethics Bowl, which debuted at the 2004 meeting, is a festive, debate-style competition that explores the ethics of archaeological practice.

Past President Session: A Celebration of the Life and Work of Dr. Dena Ferran Dincauze (1934–2016)

Date: April 1, 2017

Time: 1:00 pm–3:00 pm

Location: East Meeting Room 20 (VCC)

TAIG's 2nd Annual Teaching Slam

Date: Friday, March 31, 2017

Time: 7:00 pm–8:30 pm

Location: East Meeting Room 4 (VCC)

Join the Teaching Anthropology Interest Group (TAIG) on Friday, March 31, 7:00 pm–8:30 pm for their brief general meeting and the 2nd Annual Teaching Slam! The Teaching Slam is inspired by the popular Three-Minute-Thesis competitions. Presenters will offer a three-minute lesson on an introductory-level archaeological concept, with a focus on audience engagement. Join us for a fast-paced, fun-filled competition sure to inspire new teaching ideas for both new and seasoned archaeology teachers.

**SAA would like to thank the
AECOM Cultural Resources group for their
sponsorship of the 2017 SAA Meeting App**

CELEBRATE ARCHAEOLOGY BY USING YOUR BALLOT!

As in the past, your registration package includes a ballot for the Archaeology Week/Month Poster Contest. In the East Exhibit Hall B (VCC), these colorful advertisements for archaeology will be displayed, beginning on Thursday morning. Use your ballot to vote for the one you like best. The balloting will close at 12:00 pm on Friday, and the winners will be honored at the Annual Business Meeting and Awards Celebration at 5:00 pm on Friday in East Exhibit Hall A (VCC). The poster contest is cosponsored by SAA's Public Education Committee and the Council of Affiliated Societies.

MEETING SERVICES: HOURS OF OPERATION

	Wednesday	Thursday	Friday	Saturday	Sunday
Abstract Viewing Center	2pm–8pm <i>East Building South Foyer (VCC)</i>	7am–10pm <i>East Building South Foyer (VCC)</i>	7am–4pm <i>East Building South Foyer (VCC)</i>	7am–5pm <i>East Building South Foyer (VCC)</i>	7am–11am <i>East Building South Foyer (VCC)</i>
Registration	2pm–8pm <i>East Lobby (VCC)</i>	7am–8pm <i>East Lobby (VCC)</i>	7am–4pm <i>East Lobby (VCC)</i>	7am–4pm <i>East Lobby (VCC)</i>	7am–8am <i>East Lobby (VCC)</i>
Speaker Ready Room	2pm–8pm <i>East Building South Foyer Office (VCC)</i>	7am–9pm <i>East Building South Foyer Office (VCC)</i>	7am–6pm <i>East Building South Foyer Office (VCC)</i>	7am–6pm <i>East Building South Foyer Office (VCC)</i>	7am–11:45am <i>East Building South Foyer Office (VCC)</i>
Press Office	9am–5pm <i>East Box Office (VCC)</i>	9am–12pm <i>East Box Office (VCC)</i>			
Exhibits		9 am–5pm <i>East Exhibit Hall B (VCC)</i>	9am–5pm <i>East Exhibit Hall B (VCC)</i>	9am–5pm <i>East Exhibit Hall B (VCC)</i>	
CRM EXPO				1pm–4pm <i>East Exhibit Hall B (VCC)</i>	

Summary Schedule**Tuesday, March 28**

7:00 am–9:00 am <i>Outside Georgia A/B (H)</i> Paleoanthropology Society Annual Meeting Registration	1:00 pm–5:00 pm <i>Brighton (H)</i> National Association of State Archaeologists Annual Meeting
9:00 am–3:00 pm <i>Georgia A/B (H)</i> Paleoanthropology Society Annual Meeting	1:00 pm–5:00 pm <i>Kensington (H)</i> Register of Professional Archaeologists' Board of Directors Meeting
3:00 pm–6:00 pm <i>Plaza Ballroom (H)</i> Paleoanthropology Society Poster Session	1:00 pm–5:00 pm <i>Seymour (H)</i> Workshop: Best Practices for the Curation of Digital Archaeological Data and Information
6:00 pm–9:00 pm Executive Committee Meeting	5:00 pm–6:00 pm Past President's Advisory Board Reception (by invitation)

Wednesday, March 29

2:00 pm–8:00 pm East Lobby (VCC) Meeting Registration	5:30–6:00 pm <i>Balmoral (H)</i> First-Time Attendees Meeting Orientation
7:00 am–8:00 am <i>Stanley (H)</i> SAA Board of Directors New Board Member Orientation	6:30 pm–8:30 pm <i>Ballroom ABC (VCC)</i> Opening Session/President's Forum
8:00 am–4:45 pm <i>Stanley (H)</i> SAA Board of Directors Meeting	9:00 pm–10:30 pm <i>Regency A/B/C (H)</i> Student Member Welcome from SAA's Board of Directors (No fee)
8:00 am–6:30 pm <i>Georgia A/B (H)</i> Paleoanthropology Society Annual Meeting (con't)	Thursday, March 30
9:00 am–4:00 pm <i>Grouse (H)</i> Association of Transportation Archaeologists (ATA) Annual Meeting	7:00 am–8:00 pm East Lobby (VCC) Meeting Registration

9:00 am–5:00 pm
English Bay (H)
Project Archaeology Annual Coordinators and Friends Meeting

9:00 am–5:00 pm
East Box Office (VCC)
Press Office

7:30 am–12:00 pm
Georgia A & B (H)
Ethics Bowl Preliminary Rounds

8:00 am–10:00 am
Plaza A (H)
Council of Councils Meeting

8:00 am–12:00 pm
(VCC)
Symposia

8:00 am–12:00 pm
East Exhibit Hall B—Poster Entrance (VCC)
Poster Sessions

8:30 am–11:30 am Excursion: Cultural Heritage of Stanley Park	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Committee on Curriculum Meeting
9:00 am–5:00 pm <i>East Box Office (VCC)</i> Press Office	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Ethics Committee Meeting
9:00 am–5:00 pm <i>East Exhibit Hall B (VCC)</i> Exhibit Hall	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Government Affairs Committee Meeting
12:00 pm–1:00 pm <i>Plaza C (H)</i> Heritage Values Interest Group Meeting	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Minority Scholarships Committee Meeting
12:00 pm–1:00 pm <i>Plaza B (H)</i> Queer Archaeology Interest Group Meeting	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Committee on Museums, Collections, and Curation Meeting
1:00 pm–3:00 pm <i>West Meeting Room 208 (VCC)</i> Ethics Bowl	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Committee on Native American Relations Meeting
1:00 pm–5:00 pm (VCC) Symposia	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Native American Scholarships Committee Meeting
1:00 pm–5:00 pm <i>East Exhibit Hall B–Poster Entrance (VCC)</i> Poster Sessions	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Fred Plog Memorial Fellowship Committee
2:00 pm–3:00 pm <i>Stanley (H)</i> Meeting of <i>Latin American Antiquity</i> Editorial Board	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Committee on the Status of Women in Archaeology Meeting
2:30 pm–3:30 pm <i>President's Suite (H)</i> Fundraising Committee Meeting	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Student Affairs Committee Meeting
4:00 pm–4:15 pm <i>Regency Ballroom (H)</i> Cheryl L. Wase Scholarship Committee Meeting	4:15 pm–6:00 pm <i>Regency Ballroom (H)</i> Investment and Finance Committee Meeting
4:00 pm–6:00 pm <i>Stanley (H)</i> Council of Affiliated Societies Annual Business Meeting	4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Task Force on Implementing Data Access and Archiving Recommendations
4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Amity Pueblo MOA Compliance Task Force	5:00 pm–6:00 pm <i>Seymour (H)</i> Register of Professional Archaeologists' Awards Presentation and Reception
4:00 pm–6:00 pm <i>Regency Ballroom (H)</i> Awards Committee Meeting	

5:15 pm–7:00 pm <i>Regency Ballroom (H)</i> Public Education Committee Meeting	9:30 am–12:30 pm Excursion: Museum of Anthropology at the University of British Columbia
5:30 pm–7:30 pm <i>Georgia B (H)</i> Women in Archaeology Interest Group Reception and Business Meeting	9:30 am–12:30 pm Excursion: University of British Columbia Museum of Anthropology and Laboratory of Archaeology—Fiber Perishables and Textile Focus Tour
6:00 pm–7:00 pm <i>English Bay (H)</i> Indigenous Populations Interest Group Meeting	10:00 am–11:00 am <i>Stanley (H)</i> <i>American Antiquity</i> Editorial Board Meeting
6:00 pm–10:00 pm (VCC) Symposia	12:00 pm–1:00 pm <i>Plaza B (H)</i> Fiber Perishables Interest Group Meeting
6:00 pm–10:00 pm <i>East Exhibit Hall B–Poster Entrance (VCC)</i> Poster Sessions	12:00 pm–1:00 pm <i>Brighton (H)</i> History of Archaeology Interest Group Meeting
Friday, March 31	
7:00 am–8:00 pm East Lobby (VCC) Meeting Registration	12:00 pm–1:00 pm <i>Plaza C (H)</i> Military Archaeology Resource Stewardship Interest Group Meeting
8:00 am–10:00 am <i>Grouse (H)</i> International Government Affairs Committee Meeting	12:00 pm–1:00 pm <i>Georgia A (H)</i> Prehistoric Quarries and Early Mines Interest Group
8:00 am–12:00 pm (VCC) Symposia	12:00 pm–1:00 pm <i>Georgia B (H)</i> Zooarchaeology Interest Group Meeting
8:00 am–12:00 pm <i>East Exhibit Hall B–Poster Entrance (VCC)</i> Poster Sessions	12:00 pm–1:00 pm <i>Plaza A (H)</i> Mentoring for Careers in Archaeology
9:00 am–11:00 am <i>English Bay (H)</i> Committee on the Americas Meeting	12:00 pm–1:00 pm <i>Seymour (H)</i> International Association for Obsidian Studies (IAOS) Annual Meeting
9:00 am–12:00 pm <i>Cypress (H)</i> Executive Board Meeting of the Archaeology Division of the American Anthropological Association	1:00 pm–3:00 pm <i>East Box Office (VCC)</i> Media Relations Committee Meeting
9:00 am–5:00 pm <i>East Box Office (VCC)</i> Press Office	1:00 pm–3:00 pm <i>Grouse (H)</i> Publications Committee Meeting
9:00 am–5:00 pm <i>East Exhibit Hall B (VCC)</i> Exhibit Hall	1:00 pm–3:00 pm <i>Cypress (H)</i> Repatriation Committee Meeting

1:00 pm–5:00 pm Symposia	7:00 pm–9:00 pm <i>East Meeting Room 5 (VCC)</i> Geoarchaeology Interest Group Meeting
1:00 pm–5:00 pm <i>East Exhibit Hall B–Poster Entrance (VCC)</i> Poster Sessions	7:00 pm–8:30 pm <i>East Meeting Room 9 (VCC)</i> Rock Art Interest Group Meeting
3:00 pm–4:00 pm <i>Georgia B (H)</i> Public Archaeology Interest Group Meeting	7:00 pm–8:30 pm <i>East Meeting Room 4 (VCC)</i> Teaching Archaeology Interest Group Meeting and 2nd Annual Teaching Slam
3:00 pm–4:00 pm <i>Plaza B (H)</i> Forensic Archaeology Recovery Annual Meeting	7:30 pm <i>Devil's Elbow (Whiskey Room) 562 Beatty Street</i> Book Presentation: Alternative Pathways to Complexity (Open to all meeting attendees)
3:30 pm–4:30 pm <i>Stanley (H)</i> Island and Coastal Archaeology Interest Group Meeting	
5:00 pm–6:30 pm <i>East Exhibit Hall A (VCC)</i> Annual Business Meeting and Awards Presentation	Saturday, April 1
6:45 pm–8:15 pm <i>Georgia A (H)</i> Society for Archaeological Sciences Annual Business Meeting	7:00 am–4:00 pm East Lobby (VCC) Meeting Registration
6:45 pm–8:45 pm <i>English Bay (H)</i> Native American Welcome Reception	7:00 am–8:00 am <i>Plaza Ballroom (H)</i> Committee and Task Force Chair/Interest Group Organizer Breakfast with the Board (by invitation)
6:45 pm–8:45 pm <i>Grouse (H)</i> Society of Africanist Archaeologists Reception	8:00 am–12:00 pm (VCC) Symposia
7:00 pm–8:00 pm <i>East Meeting Room 2 (VCC)</i> Afro-Latin American Archaeology Interest Group Exploratory Meeting	8:00 am–12:00 pm <i>East Exhibit Hall B–Poster Entrance (VCC)</i> Poster Sessions
7:00 pm–8:00 pm <i>East Meeting Room 10 (VCC)</i> Archaeologist-Collector Collaboration Interest Group Exploratory Meeting	8:15 am–5:00 pm <i>Georgia A (H)</i> SAA Board of Directors Meeting
7:00 pm–9:00 pm <i>East Meeting Room 7 (VCC)</i> Committee on Climate Change Strategies and Archaeological Resources Meeting	9:00 am–10:30 pm <i>Seymour (H)</i> Workshop: Cooking Up a Good Curation Strategy: An à la Carte Menu and a Recipe for Every Archaeologist
7:00 pm–9:00 pm <i>East Meeting Room 3 (VCC)</i> Digital Data Interest Group Meeting	9:00 am–12:00 pm <i>Georgia B (H)</i> Workshop: Taking Care of your Digital Data—Developing Good Digital Curation Habits for Students

9:00 am–5:00 pm <i>East Box Office (VCC)</i> Press Office	1:00 pm–5:00 pm <i>East Exhibit Hall B–Poster Entrance (VCC)</i> Poster Sessions
9:00 am–5:00 pm <i>East Exhibit Hall B (VCC)</i> Exhibit Hall	2:00 pm–4:00 pm <i>Balmoral (H)</i> Hands-On Teaching: Archaeological Activities to Engage Students and Enliven Classrooms
9:30 am–12:30 pm Excursion: Museum of Vancouver	5:30 pm–7:00 pm <i>English Bay (H)</i> Get-Together for Archaeologists of East and Southeast Asia
10:00 am–11:00 am <i>Cypress (H)</i> <i>Advances in Archaeological Practice</i> Editorial Board Meeting	Sunday, April 2
10:00 am–11:00 am <i>Stanley (H)</i> CRO Coordinators Meeting	7:00 am–8:00 am East Lobby (VCC) Meeting Registration
1:00 pm–3:00 pm <i>English Bay (H)</i> PEC state Network Coordinator's Meeting	8:00 am–12:00 pm (VCC) Symposia
1:00 pm–4:00 pm <i>East Exhibit Hall B (VCC)</i> CRM Expo	8:00 am–12:00 pm <i>East Exhibit Hall B–Poster Entrance (VCC)</i> Poster Sessions
1:00 pm–4:00 pm <i>Seymour (H)</i> Workshop: Using R for Archaeological Data Analysis	9:00 am–12:00 pm <i>East Box Office (VCC)</i> Press Office
1:00 pm–5:00 pm (VCC) Symposia	

A WORD ABOUT THE SESSIONS

The sessions that make up the bulk of the program fall within six categories:

Forum—An interactive format organized around a tightly focused theme. Formal presentations are kept to a minimum to encourage discussion between presenters and audience. Forums are two hours.

General Session—Consists of Posters and Contributed Papers (15 minutes), each submitted individually by its author(s). Presentations are grouped together by the program chair around a particular theme, usually geographic or methodological. Session chairs are designated by the program chair.

Symposium—A group of 15-minute presentations on a well-defined theme submitted together by a chair. Also includes poster presentations submitted as a group and organized around a single theme.

Electronic Symposium—A discussion format in which the organizer posts the papers on the web at least one month before the meeting. No papers are read at electronic symposium as it is assumed that attendees will have read the material beforehand. Generally a few minutes' summary of the papers are the introduction to the two-hour discussion session.

Debate—A Debate is a format designed to encourage debate and discussion of current issues. A Debate consists of a moderator and discussants representing at least two different perspectives. No papers are listed with the session. Debate sessions may have no fewer than 4 discussants and no more than 6 discussants. Debates are two hours long.

New for 2017! Lightning Rounds—A Lightning Round is analogous to a forum format (there will be a moderator, perhaps a co-moderator, and discussants). Each Lightning Round will be organized around a topic or an area. The second hour will be for discussion in groups with individual presenters or discussion with the group as a whole. Each Lightning Round will be two-hours long with the first hour consisting of three-minute presentations (with three slides maximum; 10–15 discussants).

Any of these sessions may be “sponsored” and/or “invited.” The designation “sponsored” indicates the support of an SAA committee, or an organization outside SAA. The designation “invited” reflects a special status and role within the meeting, as defined by the Program Committee Chair. All sponsored and invited sessions are subject to review by the Program Committee, as are all other submissions, and are subject to the three-role rule. Because numerous committees wish to sponsor sessions, the Program Committee must balance such requests with other program goals; as a result, in some circumstances, requests for sponsored sessions may be rejected. The only exceptions to the review process and three-role rule are the opening and plenary sessions.

Note: All poster sessions are two hours in duration. Please check the schedule for these sessions in Sessions at a Glance.

SAA's 83rd Annual Meeting in 2018!

Plan now to attend the SAA 83rd Annual Meeting in Washington, D.C., April 11–15, 2018. Guidelines for contributors (Call for Submissions) who wish to submit papers, posters, or forums for consideration are posted on SAAweb (www.saa.org). The Online Submissions System for Washington, D.C. will open on May 1, 2017.

Sessions at Glance: Wednesday Evening, March 29, and Thursday Morning, March 30 (VCC)						
	Wednesday, March 29	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00
East Ballroom ABC		1 Forum: Presidential Forum: Climate Change, Archaeology,				
Thursday, March 30	8:00 AM	9:00 AM	10:00 AM	11:00 AM		12:00
West Meeting Room 209	2 Symposium: When Disaster Strikes:		40 Symposium: Controlled Experiments in Lithic Technology and			
East Meeting Room 20	3 General Session: Olmec Archaeology		41 Symposium: Battlefield Archaeology: Past, Present, and			
East Meeting Room 4	4 Electronic Symposium: Developing Approaches in the		52 General Session: The Archaeology			
East Meeting Room 5	5 Electronic Symposium: The Social Uses of Food in		54 General Session: African			
East Meeting Room 7	6 Forum: Advancements and Prospects in Geoarchaeology		53 General Session: Recent			
East Exhibit Hall B/Poster Ent.	7-12 Poster Sessions		46-51 Poster Sessions			
East Meeting Room 10	13 Symposium: Attica: The Millennium before Teotihuacan		45 General Session: Archaeology in South			
West Meeting Room 204	14 Symposium: Forensic Archaeology		42 General Session: Global Developments in Lithic			
West Meeting Room 206	15 Symposium: The Viking Phenomenon		43 General Session: Public Archaeology I			
West Meeting Room 210	16 Symposium: Person, Place or Thing: Ongoing Questions and		44 General Session: Human-Environment			
West Meeting Room 202	17 General Session: Indigenous Archaeologies					
East Meeting Room 8	18 Symposium: Methods and Models for Teaching Digital Archaeology and Heritage					
East Meeting Room 9	19 Symposium: Constructing Archaeology: Moving Sex/Gender and Sexuality Research					
East Meeting Room 16	20 Symposium: Cities, Large Villages, or Neither? The Conundrum of "Megasites" in					
East Meeting Room 18	21 Symposium: Some Like It Hot: Analytic Diversity and Complementarity in the Exploration					
East Meeting Room 14	22 Symposium: Foundations for Innovation: The Legacies and Influences of Archaeological					
East Meeting Room 19	23 Symposium: A Taste for Green: An American/European Perspective on Ancient Jade, Turquoise					
East Meeting Room 3	24 Symposium: Island Archaeology in East Asian Perspectives					
West Meeting Room 208	25 Symposium: Medieval Cities in the Eurasian Steppe					
West Meeting Room 205	26 Symposium: Cultural Contacts along the Silk Road during the Early Bronze Age					
East Exhibit Hall A	27 Symposium: 2017 Fryxell Award Symposium: Papers in Honor of Naomi F. Miller					
East Ballroom B	28 Symposium: Rock Art, Embodiment, and Identity					
East Meeting Room 13	29 Symposium: High-Tech Storytelling in Archaeology					
West Meeting Room 207	30 Symposium: Breastfeeding and Weaning Practices in Ancient Populations: A Cross-Cultural View					
East Meeting Room 1	31 Symposium: Bodies as Narratives: Revisiting Osteobiography as a Conceptual Tool					
West Meeting Room 203	32 Symposium: The Island Anthropocene					
East Meeting Room 2	33 General Session: Archaeology in China					
East Ballroom C	34 Symposium: Pueblo Movement and the Archaeology of Becoming					
East Meeting Room 11	35 Symposium: Reimagining Human-Animal Relations in the Circumpolar North					
East Meeting Room 12	36 Symposium: The Archaeology of Global History					
East Meeting Room 17	37 Symposium: Archaeological Epistemology in the Digital Age					
East Meeting Room 15	38 Symposium: Modeling People, Places, and Things: Revisiting Archaeology as Model-Based Science					
East Ballroom A	39 Symposium: Copan I: The Late Classic Period					

Sessions at Glance: Thursday Afternoon, March 30 (VCC)

Thursday, March 30	1:00 PM	2:00 PM	3:00 PM	4:00 PM
West Meeting Room 208	55A The Ethics Bowl			
East Meeting Room 5	55 General Session: African			
West Meeting Room 205	56 General Session: Incan Archaeology		92 General Session: Bioarchaeology and Genetics	
West Meeting Room 209	57 Symposium: Earth Observation for		97 Symposium: Assessment in Archaeology Education: Project	
East Meeting Room 19	58 Symposium: Casting Empire: Metal Production		99 Symposium: From Foragers to Frontiers: Recent	
East Meeting Room 15	59 General Session: Archaeology in the American		94 Symposium: Origin and Development of the Precolumbian City of	
East Meeting Room 17	60 Symposium: Precolumbian Textile Tools and		95 Symposium: Exploring Prehistoric Perceptions of "Nature": Can	
East Meeting Room 18	61 Symposium: Making Fauna Matter in Archaic Period		96 Symposium: Proteins in Play: The Application of Ancient Proteins	
East Meeting Room 16	62 General Session: Archaeology in South America II		98 Symposium: Lost Narratives: Current Historical Archaeology in	
East Meeting Room 3	63 Forum: Repatriation 101		100 General Session: Global Developments in Lithic	
East Meeting Room 20	64 Forum: Afro-Latin American Archaeology		104 General Session: Archaeology in the American Midwest	
East Meeting Room 7	65 Forum: Perturbing the Peace: A Tribute to Joan Gero		102 General Session: Archaeology in the American Midwest	
East Meeting Room 4	66 Forum: Metadata and Digital Management in Archaeology		101 General Session: Polities and Inter-Polity Dynamics in	
East Meeting Room 9	67 Lightning Rounds: The Question of C-shaped Structures		105 General Session: Hohokam	
West Meeting Room 203	68 Symposium: Contested Caves: The Politics of Underground Places			
East Meeting Room 14	69 General Session: Archaeology of the Caribbean I			107 General Session: The
West Meeting Room 202	70 Symposium: The Future of Funding for Archaeology			
East Ballroom A	71 Symposium: Copan II: The Late Classic, Terminal Classic, and Postclassic Periods			
East Meeting Room 2	72 Symposium: Lifeways in Bronze Age China			
West Meeting Room 210	73 Symposium: Continuity and Change: Two Decades of Excavation and Research at			
East Meeting Room 13	74 Symposium: Gender, Race, and Other Consequential Categories: Experiments in Intersectional			
West Meeting Room 206	75 Symposium: Archaeological Microhistory at a Planned Colonial Town in Highland Peru			
East Meeting Room 10	76 Symposium: What to Do with "Megasites" in Prehistory? Further Exploring the "Megasite" Conundrum			
West Meeting Room 207	77 Symposium: Advances in Archaeology of Prehistoric and Early China			
West Meeting Room 204	78 Symposium: Toolstone Papers in Honor of the Careers of Charlotte Beck and George T. Jones			
East Ballroom B	79 Symposium: Night and Darkness in Precolumbian Mexico and Central America			
East Ballroom C	80 Symposium: Toolstones in Time: Re-creating History with the Bayesian Approach			
East Meeting Room 11	81 Symposium: Moments in Time: Re-creating History with the Bayesian Approach			
East Meeting Room 8	82 Symposium: In the Land of the Sky: Recent Interdisciplinary Archaeological Research in the Lower Rio Verde Valley, Oaxaca			
East Meeting Room 12	83 Symposium: Hinterland Communities, and Everything in Between: Twenty-Five Years of Archaeological Research in Northwest			
East Exhibit Hall A	84 Symposium: Regional and International Collaborations in American Archaeology: The Legacy of Suzanne Fish and Paul Fish			
East Meeting Room 1	85 Symposium: Rethinking Methods of Faunal Analysis			
East Exhibit Hall B Poster Ent.			86-91 Poster Sessions	

Sessions at Glance: Thursday Evening, March 30 (VCC)

	Thursday, March 30	6:00 PM	7:00 PM	8:00 PM	9:00 PM
East Meeting Room 4	108 Forum: Caring for Homelands, Part 1: Tribal Historic				
East Meeting Room 15	109 Forum: Creating Safety: Addressing Sexual Harassment and				
East Meeting Room 20	110 Forum: Advancements and Prospects in Geoarchaeology				
East Meeting Room 7	111 Forum: Archaeology Podcast Network—Live Podcast and				
East Meeting Room 9	112 Forum: How to Do Archaeological Science Using R				
East Exhibit Hall B Poster Ent.	113–117 Poster Sessions				
East Meeting Room 5	118 Symposium: Archaeological Surveys in Light of New				
East Meeting Room 17	119 Symposium: Ancient Mexico and the Legacy of Henry B.				
East Meeting Room 14	120 Symposium: The Tula Region Interaction and Migration Project (TRIMP):				
East Meeting Room 13	121 Symposium: Middle Pleistocene Subsistence in the Azraq Oasis,				
West Meeting Room 208	122 General Session: Teaching Archaeology				
East Meeting Room 10	123 Symposium: Origins and Transformations: The Western Islands of the Pacific				
West Meeting Room 203	124 General Session: Preserving Heritage Sites				
East Meeting Room 19	125 Symposium: Ceramics and Society among the Classic Maya Cities of the Western Petén				
East Meeting Room 16	126 Symposium: Investigating a Ten-Millennia Record of Hunter-Gatherer Lifeways in the				
East Meeting Room 18	127 Symposium: Beyond Domestication: Investigations into the Human-Canine Connection				
East Meeting Room 12	128 Symposium: Markets and Capitalisms in Indigenous Societies in the Colonial Americas				
East Ballroom C	129 Symposium: Prehistoric Economies in Middle-range Societies: Papers in Honor of				
East Ballroom B	130 Symposium: Recent Analytical Contributions to Chacan Archaeology				
West Meeting Room 206	131 Symposium: Lidar in the Maya Highland: Results of the 2016 Lidar Survey in Guatemala's				
East Meeting Room 3	132 General Session: Archaeology of the Mediterranean Region				
East Meeting Room 11	133 Symposium: Identity and Change: Archaeological Interaction across Archipelagos, Inland Seas, and Islands				
West Meeting Room 209	134 Symposium: Re-pensando la/s Movilidad/es Andina/s: Nuevas Perspectivas en Torno al Viaje,				
West Meeting Room 210	135 Symposium: Ancient Metallurgy in Mesoamérica: Local Expression and Interregional				
West Meeting Room 202	136 Symposium: Ritual during Periods of Decline, Collapse, and Regeneration in Archaeal States				
West Meeting Room 205	137 Symposium: Mountain Towns and Crossroads: Archaeology of the Sierra Sur of Oaxaca, Mexico				
West Meeting Room 204	138 Symposium: Reconstructing Indigenous Practices in Museum Settings: Perspectives and Approaches				
East Meeting Room 1	139 Symposium: Manipulated Bodies: Investigating Postmortem Interactions with Human Remains				
East Meeting Room 2	140 General Session: Recent Paleoindian Studies I				
East Ballroom A	141 Symposium: A Global Dialogue on Collaborative Archaeology				
West Meeting Room 207	142 General Session: The Archaeology of Foodways				
East Exhibit Hall A	143 Symposium: Evolutionary Adaptations and Population History of the Atacama Desert				
East Meeting Room 8	144 Symposium: Arctic and Subarctic Coasts: Current Research and Modern Challenges				

Sessions at Glance: Friday Morning, March 31 (VCC)

	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00
Friday, March 31					
East Meeting Room 10	145 Symposium: Recientes Aportaciones		183 Symposium: El Hombre, Su Espacio, Tiempo, Interacciones		
West Meeting Room 203	146 General Session: African Archaeology I		184 General Session: Recent Paleoindian Studies II		
East Meeting Room 7	147 Forum: Grappling with Complexity: A Forum in Honor of		190 General Session: Archaeology in the		
East Meeting Room 20	148 Forum: Archaeological Volcanology		189 General Session: Digitizing the		
East Meeting Room 5	149 Forum: Beyond Data Management: A Conversation		188 General Session: The Archaeology of		
East Meeting Room 4	150 Forum: Professionals, Avocationals, Collectors:		198 General Session:		
East Exhibit Hall B Poster Ent.	151–156 Poster Sessions		191–196 Poster Sessions		
East Exhibit Hall B	157 Symposium: Rethinking Archaeologies of Pilgrimage		187 General Session: Structure and Space at		
East Meeting Room 9	158 Symposium: The Limits of “Landscape”: Alternative		197 General Session: Discerning		
East Meeting Room 2	159 Symposium: Beyond (between, within, through) the Grid: The		186 Symposium: Teaching through the Past:		
East Meeting Room 17	160 Symposium: The Pisgah Culture and Mississippian Adaptation		185 Symposium: Blood in the Waters:		
East Meeting Room 8	161 Symposium: Complexity in Sub-Saharan Africa: Archaeological and				
West Meeting Room 209	162 Symposium: Interdisciplinary Approaches to Studying Human Social Dynamics:				
East Meeting Room 19	163 Symposium: Investigating Interaction from Tunacunnee to Talaie: Papers in				
East Ballroom C	164 Symposium: Archaeometallurgy of the New World: Current Research, Approaches, and				
West Meeting Room 208	165 Symposium: Upper Paleolithic Transitional “Moments” on the Iberian Peninsula				
East Meeting Room 14	166 Symposium: Connectivities in Prehistoric and Classical West/Central Mediterranean				
East Meeting Room 13	167 Symposium: Archaeology of India				
East Meeting Room 16	168 Symposium: Global Perspectives on the Archaeology of Ritually Mounded Landscapes				
East Meeting Room 18	169 Symposium: Connecting Middle Paleolithic Datasets: The Interplay of Zooarchaeological and				
West Meeting Room 210	170 Symposium: AD 600 Cultural and Environmental Transformation in Ancient Peru				
East Meeting Room 12	171 Symposium: An Historical Ecological Approach to the Investigation of Early Social Complexity in				
West Meeting Room 207	172 Symposium: Archaeologies of Heart: Exploring the Role of Emotion and Spirit in Archaeological Research and				
East Meeting Room 15	173 Symposium: The Science of Organic Residue Analysis and the Art of Cultural Interpretation I				
East Meeting Room 1	174 Symposium: The Use of Plants in Ancient Rituals: New Perspectives from Paleothnobotany				
East Exhibit Hall A	175 Symposium: Methodology and Interpretation in the Archaeology of Rock Art				
West Meeting Room 205	176 Symposium: Tsimshian Archaeology: 50 Years of Research and 10,000 years of History				
East Ballroom B	177 Symposium: Seeds of the Past, Seeds of the Future: Papers in Honor of Steven A. Weber				
West Meeting Room 206	178 Symposium: Unraveling Social Dynamics through Archaeological Science				
West Meeting Room 204	179 Symposium: Quintessential Places: Analyzing the Character of Precolumbian Sites				
West Meeting Room 202	180 Symposium: Sailing at the Edge of Time: Global Perspectives on Island Colonization				
East Meeting Room 3	181 General Session: Recent Zooarchaeological Research I				
East Ballroom A	182 Symposium: Maya Highland and Pacific Coast Archaeology: New Data, Debates, and				

Sessions at Glance: Friday Afternoon, March 31 (VCC)

	Friday, March 31	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00
West Meeting Room 204	199 General Session: Develop		236 General Session: Current Research in Mesoamerican Archaeology I			
East Meeting Room 17	200 Symposium: Arqueología de la		238 Symposium: Ecological Adaptations and New Forms of			
East Meeting Room 10	201 Symposium: In the Mother's Womb:		237 Symposium: Casas Grandes: Addressing Key Issues of			
West Meeting Room 209	202 Symposium: El Extremo Sur/I Extremo Norte:		240 Symposium: Wheel of Fortune: Ceramic Analysis and			
West Meeting Room 203	203 General Session: African Archaeology II		241 General Session: Eastern Woodlands			
East Meeting Room 5	204 General Session: Structure and Space at Maya Sites I		239 Forum: Archiving Us: Collecting Oral Histories for			
East Meeting Room 4	205 Forum: What Good Is Secondary Digital Data?		248 General Session: Recent			
East Meeting Room 20	206 Forum: Heritage Matters: Archaeology and Community		246 General Session: Public			
East Meeting Room 19	207 Symposium: Living at the Margins: Archaeological and Ethnographic		242 Symposium: Making a "cene":			
East Meeting Room 16	208 Symposium: Archaeology of Cultural Fluidity in Taiwan		249 General Session: Dating			
East Meeting Room 14	209 Symposium: Threads across Time and Space		243 General Session: Mapping the			
East Meeting Room 11	210 Symposium: Not Just Good to See: Global Perspectives on Scenes in		245 General Session: "Us" and "Them			
East Meeting Room 9	211 Symposium: Feasts and Ritual Structures: Ethnoarchaeological and		244 General Session: Zooarchaeology			
East Meeting Room 18	212 Symposium: Archaeology and New or Alternative Religious Movements		247 General Session: Repatri			
West Meeting Room 208	213 Symposium: Beyond Typology: Current Trends in Ceramic Analysis in China					
East Meeting Room 15	214 Symposium: An Introduction to the Socio-ecological Entanglement in Tropical Societies					
East Meeting Room 13	215 Symposium: Crafting and Consumption in Prehispanic Mesoamerica: A Diachronic					
West Meeting Room 210	216 Symposium: Traditional Knowledge and Lithic Resources					
West Meeting Room 202	217 Symposium: Seats of Power: Functional Sectors in Mesoamerican Palaces					
East Ballroom A	218 Symposium: Maya Highland and Pacific Coast Archaeology: New Data, Debates, and Directions,					
West Meeting Room 207	219 Symposium: Life and Death in Ancient Nubia: Archaeological and Bioarchaeological Perspectives					
East Meeting Room 8	220 Symposium: Northern South America II: Mobility, Landscapes, and Socialscapes					
West Meeting Room 206	221 Symposium: Ongoing Research in Eurasian Archaeology: Assessing the Implications of New Evidence					
East Meeting Room 7	222 General Session: Andean Archaeology					
East Meeting Room 3	223 Symposium: Insights from Increments: Advances in Geochemical and Microscopic Analyses of Hard Tissues					
East Meeting Room 2	224 Symposium: Environmental Impacts on Heritage and Science					
East Meeting Room 12	225 Symposium: Animals and the Sacred Precinct of Tenochtitlan: Biology, Archaeology, History, and Conservation					
East Ballroom B	226 Symposium: Alternative Perspectives on the Peopling of the New World: A Symposium in Honor of Ruth Gruhn, the "First					
East Ballroom C	227 Symposium: Frison Institute Symposium: The Future of "Big Data" in Archaeology					
West Meeting Room 205	228 Symposium: Study of Human Ecosystematics at Tse-whit-zen, a 2,800-Year-Old Lower Elwha Klallam Coastal Village in					
East Meeting Room 1	229 Symposium: The Science of Organic Residue Analysis and the Art of Cultural Interpretation II					
East Exhibit Hall B Poster Ent.		230-235 Poster Sessions				
East Exhibit Hall A						
					Annual	Business

Sessions at Glance: Saturday Morning, April 1 (VCC)

	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00
Saturday, April 1					
East Meeting Room 10	250 General Session: Rem		289 Symposium: Inter- and Multidisciplinary Approaches to		
East Meeting Room 3	251 Symposium: Environmental Rebound in the		290 General Session: Understanding Paleodiet through Iso		
East Meeting Room 17	252 General Session: Mortuary Practices and		291 Lightning Rounds: "So do you, like, wear a hat like Indy?"		
East Meeting Room 20	253 Forum: Advancements and Prospects in		299 General Session: Archaeology in the		
East Meeting Room 4	254 Forum: Radiocarbon and Archaeology: Developing				
East Meeting Room 5	255 Forum: Reading between the Lines: Challenges in		307 General Session: Advances in		
East Meeting Room 7	256 Forum: Do Roads Stop at the 49th Parallel? The State of		298 General Session: Polities and Inter-Polarity		
East Exhibit Hall B Poster Ent.	257-263 Poster Sessions		297 General Session: Western Asian		
East Meeting Room 9	264 Symposium: Integrating Functional Analysis:		300-304 Poster Sessions		
West Meeting Room 205	265 Symposium: The Interaction between Political and		292 General Session: Colonial-Era Archaeology in		
West Meeting Room 206	266 Symposium: Architectural Studies in the U.S.		296 Symposium: Exploring Movement		
West Meeting Room 204	267 General Session: Current Research in Mesoamerican		305 Symposium: Ecological		
West Meeting Room 209	268 Lightning Rounds: Modeling Agro-Pastoralism in		295 Forum: Caring for Homelands, Part 2: Tribal Historic		
East Meeting Room 15	269 Lightning Rounds: Enduring Culture History.		293 General Session: Current Research in		
East Meeting Room 8	270 Symposium: Formative Influences: A Gathering in Honor of J. Scott		294 General Session: Mortuary Practices and		
East Meeting Room 11	271 Symposium: Recent Developments in East and Southeast Asian		308 General Session: Peruvian		
East Meeting Room 12	272 Symposium: New Perspectives on the Archaeology of Social Memory in				
East Exhibit Hall A	273 Symposium: Contemporary Issues in Rock Art Conservation and		306 Symposium: Painting and		
West Meeting Room 208	274 Symposium: Anthropropic Activity Markers: Archaeology and				
East Meeting Room 19	275 Symposium: Of Dung and Humans: The Archaeology of Livestock Dung				
East Meeting Room 14	276 Symposium: Curating the Past: The Practice and Ethics of Skeletal Conservation				
East Meeting Room 16	277 Symposium: Settlement Scaling in Archaeology—Not Just Modern, Not Just Urban				
East Meeting Room 18	278 Symposium: Households and Social Evolution: Comprehensive Approaches to Social				
West Meeting Room 202	279 Symposium: New Discoveries and Multidisciplinary Research at Yangguanzhai, China				
East Meeting Room 1	280 Symposium: Recent Shifts in Maya Archaeology: Investigations of the Colonial and National Periods of the				
West Meeting Room 207	281 Symposium: Flooded Ancient Maya Salt Works, Paynes Creek National Park, Belize				
West Meeting Room 203	282 General Session: European Archaeology: From the Paleolithic to the Recent Past				
East Ballroom B	283 Symposium: New Insights into Mississippian Culture at Cahokia Mounds State Historic Site				
East Ballroom C	284 Symposium: Methodological Advances in Isotopic Zooarchaeology				
East Ballroom A	285 Symposium: Archaeological Perspectives of Empire and Environment				
West Meeting Room 210	286 Symposium: Archaeological Cooperation on the Evolution of Forager Cooperation				
East Meeting Room 13	287 General Session: Advances in Archaeological Method and Theory				
East Meeting Room 2	288 Symposium: Butterflies Take Wing: Ritual and Symbolism in Precolumbian				

Sessions at Glance: Saturday Afternoon, April 1 (VCC)

	Saturday, April 1	1:00 PM	2:00 PM	3:00 PM	4:00 PM
West Meeting Room 206	309 Symposium: Regional Connections in			346 Symposium: Erotetics, GIS, and Data Resolution: Spatial	
East Meeting Room 202	310 Symposium: The Precolumbian Antiquities			347 Symposium: Music, Archaeology	
East Meeting Room 20	311 Past President Session: A Celebration of the Life and Work of			348 Symposium: Archaeological Perspectives toward	
East Meeting Room 5	312 Forum: Current Challenges in Using 3D Data in Archaeology			354 General Session: Advances in	
East Meeting Room 4	313 Forum: Animal Archaeology			355 General	
East Meeting Room 7	314 Lightning Rounds: Lightning Strikes Crowd of			350 General Session: Remote	
West Meeting Room 207	315 Lightning Rounds: Breaking Ground without a Shovel:			349 Symposium: Archaeometric Studies in the Maya Area	
East Meeting Room 3	316 Symposium: Multidisciplinary Research at Castillo de Huarmey, Peru			358 General Session: Incan	
West Meeting Room 210	317 Symposium: Colonial Consequences: Results from the Archaeological			359 General Session: Peruvian	
East Meeting Room 9	318 Symposium: Mobilizing the Past: Archaeology as Activism			351 Symposium: The U.S. Army Corps of	
East Meeting Room 14	319 Symposium: Toward a Social Archaeology of Food in Northern North America			352 Symposium: Fairs, Feasting, and	
West Meeting Room 203	320 Symposium: Charting the Evolution of the Tres Zapotes Polity: Results of the			356 General Session:	
East Meeting Room 19	321 General Session: Mesoamerican Ritual Studies			353 General Session: Current Research	
East Meeting Room 13	322 Symposium: Local Responses to Regional Integration in Postclassic Mesoamerica			357 Symposium: Crafting the	
East Meeting Room 15	323 Symposium: Spatial Approaches to Craft Production				
West Meeting Room 204	324 Symposium: Power from Below: Collectivity and Hierarchy in Global Perspective				
East Meeting Room 18	325 Symposium: LandCover6K: Using Archaeology to Improve Climate Models				
East Meeting Room 10	326 Symposium: Nica News: Recent Archaeological Research in Nicaragua				
East Meeting Room 17	327 Symposium: Connectivity and Communities of Practice in Lowland South America				
West Meeting Room 209	328 Symposium: Protección del Patrimonio Cultural en México, a través de la Dirección de Registro Público de				
East Meeting Room 16	329 Symposium: Integrating and Disintegrating in Central Yucatán: Archaeological Approaches to Social Change at				
East Meeting Room 8	330 Symposium: Investigating the Hunter-Gatherers of Lake Balkal and Hokkaido: Integrating Individual Life Histories and				
East Meeting Room 12	331 Symposium: Status and Identity in the Imperial Andes				
East Ballroom B	332 Symposium: Open Air Camps of the Terminal Pleistocene and Early Holocene: Intra-camp Spatial Organization,				
East Meeting Room 11	333 Symposium: Recent Developments in East and Southeast Asian Archaeology II: Sites, Landscape, and Environment				
East Exhibit Hall A	334 Symposium: Applying Indigenous Frameworks for Archaeological Analysis and Interpretation				
East Ballroom A	335 Symposium: Walls, Mounds, and Pots: Examining the Classic Period Hohokam				
West Meeting Room 208	336 General Session: Mapping and Modelling Archaeological Data				
East Ballroom C	337 Symposium: The Dynamics of the Preclassic in the Heart of the Maya Lowlands				
East Meeting Room 1	338 Symposium: Manot Cave: In Search of Modern Humans				
East Meeting Room 2	339 Symposium: Implications of the Promontory, Dismal River, and Franktown Archaeological Records for Apachean Prehistory				
West Meeting Room 205	340 Symposium: Where the Wild Things Are Not: Human-Animal Interaction in the Space between Wild and Domestic				
East Exhibit Hall B Poster Ent.				341–345 Poster Sessions	

Sessions at Glance: Sunday Morning, April 2 (VCC)

	8:00 AM	9:00 AM	10:00 AM	11:00 AM
Sunday, April 2				
East Meeting Room 10	360 General Session: Cultural Heritage Issues and			396 General Session: Archaeological Approaches to Ritual
East Meeting Room 4	361 Forum: Crossing the Line: The Investigation of Probable			
East Meeting Room 20	362 Forum: Advances in Management for Military Cultural			
East Meeting Room 9	363 Forum: Archives in Context: Issues of Time, Space, and Scale			
East Exhibit Hall B Poster Ent.	364-368 Poster Sessions			
East Meeting Room 19	369 General Session: Current Research on Maya Identity and			
East Meeting Room 14	370 General Session: Archaeology of the Caribbean II			
East Meeting Room 5	371 General Session: Ecological Approaches in Archaeology			
East Meeting Room 7	372 Lightning Rounds: Institute for Digital Archaeology Method			
East Meeting Room 13	373 Symposium: Aztec at the Crossroads and in the Crosshairs: 101 years			
East Meeting Room 15	374 General Session: Archaeology in Oceania			
West Meeting Room 210	375 General Session: Rock Art Research			
West Meeting Room 208	376 General Session: Lithic Studies			
East Meeting Room 3	377 General Session: Archaeology in the Southeastern United States			
East Meeting Room 17	378 Symposium: Whales and Whaling: New Perspectives and Approaches for			
West Meeting Room 203	379 Symposium: Adornment, Personal Ornamentation, and the Construction of			
East Meeting Room 11	380 Symposium: Traps, Weirs, Ponds, and Gardens: Exploring the Social and			
East Meeting Room 11	380 Symposium: Traps, Weirs, Ponds, and Gardens: Exploring the Social and			
East Meeting Room 12	381 Symposium: Ancient California: Reconstructing Lifeways, with Behavioral			
East Meeting Room 18	382 Symposium: Landscapes of Change: Integrated Socio-ecological Histories in the Chicama			
West Meeting Room 204	383 Symposium: Territorial Behavior and Ecology			
West Meeting Room 202	384 Symposium: The Caiman's (and Frog's) Revenge: Intersecting Papers in Honor of Peter			
West Meeting Room 205	385 Symposium: An Other-Than-Human Being: The Archaeology of Bears in North America			
West Meeting Room 206	386 Symposium: Emerging from the Place of Darkness: Subterranean Archaeology in			
East Meeting Room 16	387 General Session: Current Perspectives on Pacific Northwest Coast Archaeology			
East Meeting Room 2	388 Symposium: From Birdseed to Superfood: Chenopodium Cultivation and Management across the			
East Meeting Room 8	389 Symposium: Short-Term Occupations in Paleolithic Archaeology			
West Meeting Room 209	390 General Session: Ceramics in Southwestern Archaeology			
West Meeting Room 207	391 Symposium: Molding Matter: Technologies of Reproduction in the Precolumbian Americas			
East Ballroom C	392 Symposium: A Material World: Collaborative Research in Art, Archaeology, and Materials Science in the			
East Ballroom A	393 Symposium: The North American Continental System: Interaction and Exchange across the Continent			
East Ballroom B	394 Symposium: Collaborative and Community Archaeology			
East Meeting Room 1	395 Symposium: Material Encounters and Indigenous Transformations in the Early Colonial Americas			

Wednesday Evening ■ March 29, 2017**[1] OPENING SESSION****FORUM ■ PRESIDENT'S FORUM: CLIMATE CHANGE, ARCHAEOLOGY, AND COMMUNITY ENGAGEMENTS****Room:** East Ballroom ABC (VCC)**Time:** 6:30 PM–8:30 PM**Moderator:** Diane Gifford-Gonzalez**Participants:**

Sandra Pentney—Discussant

Margo Schwadron—Discussant

Joanna Hambley—Discussant

Isabel Rivera-Collazo—Discussant

Paul Backhouse—Discussant

Thursday Morning ■ March 30, 2017**[2] SYMPOSIUM ■ WHEN DISASTER STRIKES: ENVIRONMENTAL IMPACTS ON COLLECTIONS PRESERVATION***(Sponsored by SAA Museums, Collections, and Curation Committee and SAA Climate Change Strategies and Archaeological Resources Committee)***Room:** West Meeting Room 209 (VCC)**Time:** 8:00 AM–9:30 AM**Chairs:** Heather Thakar and Michele Koons**Participants:**

8:00 Heather Thakar—Finding our Way Forward: Collections Management in a Changing World

8:15 Anne Jensen—Walakpa as Case Study: Rescuing Heritage and Data from a Vanishing Site

8:30 Robert Sonderman and Stefan Woehlke—Our Collections at Risk: Climate Change Threats to NPS Museum Property

8:45 David Rosenthal and Kerry Button—Disaster Struck: Smithsonian Museum Support Center Earthquake Response and Recovery

9:00 Sara Wolf—Emergency Response PTSD, Climate Change Denial, and Resiliency: The New World Disorder

9:15 Danielle Benden—Discussant

[3] GENERAL SESSION ■ OLMEC ARCHAEOLOGY**Room:** East Meeting Room 20 (VCC)**Time:** 8:00 AM–9:45 AM**Chair:** Tara Smith**Participants:**

8:00 Jeffrey Dobereiner and Rebecca B. Gonzalez Lauck—Voted Off the Olmec Island: Remote Sensing and Regional Reconnaissance Surrounding La Venta, Tabasco, Mexico

8:15 Helen Haines and Kerry Sagebiel—"What's in a Name?": Questioning the Idea of Olmec Origins for Jade Spoons

8:30 Tara Smith—Cosmic Ventures of the Olmec Dwarf: An Analysis of the Dispersal and Transformation of Dwarf Imagery within Olmec Iconography

8:45 Henri Bernard and Sara Ladrón de Guevara—Olmecs Masks in the Region of Arroyo Pesquero

9:00 Hirokazu Kotegawa—Trono Olmeca de Estero Rabón

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

[4] ELECTRONIC SYMPOSIUM ■ DEVELOPING APPROACHES IN THE STUDY OF PREHISTORIC COPPER IN NORTH AMERICAN ARCHAEOLOGY
Room: East Meeting Room 4 (VCC)
Time: 8:00 AM–10:00 AM
Chair: Mark Hill

Participants:

- Kevin Nolan—Direct Comparison of LA-ICP-MS and Handheld XRF Elemental Analysis of Copper Artifacts: A Methodological Case Study in the Exploration of Hopewell Valuables Exchange Systems
Laure Dussubieux—External Standards for the LA-ICP-MS Analysis of North American Copper Artifacts: Looking at Different Approaches
Gregory Lattanzi—Getting to the Source: Copper Characterization, Prehistory, and the Question of Interpretation
Mark Hill—Elemental Analysis of Late Archaic Copper from the McQueen Shell Ring, St. Catherines Island, Georgia
Mark Seeman—Shifting the Interpretation of Ohio Hopewell Copper Use
H. Kory Cooper—Native Copper Innovation in the North
Lenore Thompson—Biographies of Northwest Coast Copper: A Material Investigation
Jacqueline Pozza—Cultivating Methods for New Conclusions: An Analysis of Oneota Copper Artifacts of the Lake Koshkonong Region in Southeastern Wisconsin
Kathleen Ehrhardt—Current Approaches to the Study of Late Prehistoric North American Copper Materials: Contributions from the Hoxie Farm Site, Cook County, Illinois
Colin Quinn—Toward a Deep History of Southern Appalachian Copper Mining: New Agendas and Approaches
Robert Ahlrichs—Collecting Copper and Systematic Archaeological Analysis
Casey Campetti—Metal Sensing and Indigenous Copper from Isle Royale National Park and Gila National Forest

[5] ELECTRONIC SYMPOSIUM ■ THE SOCIAL USES OF FOOD IN ANCIENT MAYA CULTURE
Room: East Meeting Room 5 (VCC)
Time: 8:00 AM–10:00 AM
Chairs: Traci Ardren and Shanti Morell-Hart

Participants:

- M. Kathryn Brown—Pot Luck: Building Community and Feasting among the Middle Preclassic Maya
Kitty Emery—Exchanging and Sharing Food in the Classic Maya polity of Motul de San José
Terry Powis—A Toast to the Gods and Ancestors: The Role of Beverages in Classic Maya Elite Cave Ritual in West Central Belize
George J. Bey—2,000 Years of Eating: Continuity and Change in Food Practices among the Puuc Maya
Marc Zender—A Diachronic Interdisciplinary View of Maya Foodways
Petra Cunningham-Smith—Old Dogs, New Tricks: Tracking Dog Management in the Ancient Maya World
Lilia Fernandez Souza—Food and Foodways at Sihó, Yucatán: Understanding Socioeconomic Diversity
Julia Hendon—Fine Dining and Social Position among the Classic Period Maya and Their Neighbors in Honduras

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

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

(Sponsored by Geoarchaeology Interest Group)

Room: East Meeting Room 7 (VCC)

Time: 8:00 AM–10:00 AM

Moderator: Ian Buvit

Participants:

Kara A. Fulton—Discussant

Daniel H. Sandweiss—Discussant

Joseph Schuldenrein—Discussant

Jennifer Kielhofer—Discussant

Michael Waters—Discussant

Jessi Halligan—Discussant

Owen Mason—Discussant

Jasmine Kidwell—Discussant

Julie Stein—Discussant

[7] POSTER SESSION ■ CURRENT RESEARCH IN MESOAMERICA I

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

7-a Juan Sereno-Uribe—Excavation and Architecture of Gualupita Morelos

7-b Dennis Lewarch—Calibrating Variation in Domestic Midden Assemblages among Aztec Period Households in Western Morelos

7-c Asia Alsgaard—The Utility of Nestedness in Zooarchaeological Assemblages: A Study from the Northern Maya Lowlands

7-d Caitlin Davis—Flower and Song: Exploring Literacy in Postclassic Mesoamerica

A Elijah J. Hermitt and Kirk French—The Palenque Pool Project: An Energetic Analysis of Monumental Construction Costs

7-f Gavin Wisner, Katie Tappan, Dylan Wilson, Chrissina C. Burke and Norbert Stanchly—Animal Use in Ancient Maya Terminal Deposits: Examining Faunal Remains from Sites in the Belize Valley to Identify Ritual Activities

7-g Bernadette Cap—Implications for Spinning Thread in a Marketplace at the Classic Maya Site of Xunantunich, Belize

7-h Sylvia Batty, Rebecca Friedel and Leah McCurdy—To the Mountain: Heritage Preservation through Archaeological Literacy in San Jose Succotz, Belize

7-i Heather McDonough, Zachary Hall and David M. Hyde—A Method for Identifying Surface Scatters in the Jungles of Belize: A Case Study from the Medicinal Trail Community

7-j Thania Ibarra and Aurelio López Corral—Thread Production in Late Postclassic Tepepalcac, Tlaxcala: A Technological and Experimental Study of Archaeological Spindle Whorls

7-k Aarón Felipe Lopez—Petroglyph Panel in Tlaltetela, Veracruz, Mexico

7-l Theresa Heindel—Ancient Maya Agricultural Techniques: Investigations of Possible Terracing at the Site of Actuncan, Belize

7-m Jeremias Pink, Ronald K. Faulseit and Carlos Rojas Ortiz—Domestic Production and Use of Mold-Made Whistles and Figurines in Late Classic Oaxaca, Mexico

[8] POSTER SESSION ■ BIOARCHAEOLOGY IN MESOAMERICA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

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

[9] POSTER SESSION ■ CURRENT RESEARCH IN MESOAMERICA II

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

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

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

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

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Chairs: Lourdes Budar and Marcie Venter

Participants:

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

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

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Chairs: Melanie Saldana and Ann Scott

Participants:

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

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

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

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Chair: Cinthia M. Campos

Participants:

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

[13] SYMPOSIUM ■ ALTICA: THE MILLENNIUM BEFORE TEOTIHUACÁN

Room: East Meeting Room 10 (VCC)

Time: 8:00 AM–10:00 AM

Chairs: Deborah Nichols and Wesley Stoner

Participants:

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

[14] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY**Room:** West Meeting Room 204 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Kimberlee S. Moran**Participants:**

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

[15] SYMPOSIUM ■ THE VIKING PHENOMENON**Room:** West Meeting Room 206 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Neil Price**Participants:**

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

[16] SYMPOSIUM ■ PERSON, PLACE OR THING: ONGOING QUESTIONS AND EVIDENCE FOR NEW ENGLAND SETTLEMENT AND MATERIAL CULTURE**Room:** West Meeting Room 210 (VCC)**Time:** 8:00 AM–10:15 AM**Chair:** Ora Elquist**Participants:**

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

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

[17] GENERAL SESSION ■ INDIGENOUS ARCHAEOLOGIES**Room:** West Meeting Room 202 (VCC)**Time:** 8:00 AM–10:30 AM**Chair:** Rick Budhwa**Participants:**

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

[18] SYMPOSIUM ■ METHODS AND MODELS FOR TEACHING DIGITAL ARCHAEOLOGY AND HERITAGE**Room:** East Meeting Room 8 (VCC)**Time:** 8:00 AM–11:00 AM**Chair:** Ethan Watrall**Participants:**

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

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

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

Room: East Meeting Room 9 (VCC)

Time: 8:00 AM–11:00 AM

Chair: Kirsten Vacca

Participants:

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

[20] SYMPOSIUM ■ CITIES, LARGE VILLAGES, OR NEITHER? THE CONUNDRUM OF "MEGASITES" IN PREHISTORY

Room: East Meeting Room 16 (VCC)

Time: 8:00 AM–11:00 AM

Chair: Nam Kim

Participants:

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

[21] SYMPOSIUM ■ SOME LIKE IT HOT: ANALYTIC DIVERSITY AND COMPLEMENTARITY IN THE EXPLORATION OF PAST COOKING AND CUISINE

Room: East Meeting Room 18 (VCC)

Time: 8:00 AM–11:00 AM

Chair: Susan Kooiman

Participants:

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

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

[22] SYMPOSIUM ■ FOUNDATIONS FOR INNOVATION: THE LEGACIES AND INFLUENCES OF ARCHAEOLOGICAL SCIENCE AT MCMASTER
Room: East Meeting Room 14 (VCC)
Time: 8:00 AM–11:00 AM
Chair: Andrew Roddick

Participants:

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

[23] SYMPOSIUM ■ A TASTE FOR GREEN: AN AMERICAN/EUROPEAN PERSPECTIVE ON ANCIENT JADE, TURQUOISE AND VARISCITE EXCHANGE
Room: East Meeting Room 19 (VCC)
Time: 8:00 AM–11:15 AM
Chairs: Ben Nelson, Carlos Rodriguez-Rellan and Ramon Valcarce

Participants:

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

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

[24] SYMPOSIUM ■ ISLAND ARCHAEOLOGY IN EAST ASIAN PERSPECTIVES

Room: East Meeting Room 3 (VCC)

Time: 8:00 AM–11:15 AM

Chair: Gyoung-Ah Lee

Participants:

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

[25] SYMPOSIUM ■ MEDIEVAL CITIES IN THE EURASIAN STEPPE**Room:** West Meeting Room 208 (VCC)**Time:** 8:00 AM–11:15 AM**Chair:** Joshua Wright**Participants:**

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

[26] SYMPOSIUM ■ CULTURAL CONTACTS ALONG THE SILK ROAD DURING THE EARLY BRONZE AGE**Room:** West Meeting Room 205 (VCC)**Time:** 8:00 AM–11:30 AM**Chair:** Xiaohong Wu**Participants:**

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

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

- [27] SYMPOSIUM ■ 2017 FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF NAOMI F. MILLER**
(Sponsored by Fryxell Award Committee)
Room: East Exhibit Hall A (VCC)
Time: 8:00 AM–11:30 AM
Chairs: Chantel White and Alan Farahani

Participants:

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

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

Room: East Ballroom B (VCC)

Time: 8:00 AM–11:30 AM

Chairs: Jamie Hampson, Liam Brady and Courtney Nimura

Participants:

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

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

[29] SYMPOSIUM ■ HIGH-TECH STORYTELLING IN ARCHAEOLOGY*(Sponsored by National Geographic Society and ESRI)***Room:** East Meeting Room 13 (VCC)**Time:** 8:00 AM–11:30 AM**Chair:** Matthew Piscitelli**Participants:**

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

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

[30] SYMPOSIUM ■ BREASTFEEDING AND WEANING PRACTICES IN ANCIENT POPULATIONS: A CROSS-CULTURAL VIEW

Room: West Meeting Room 207 (VCC)

Time: 8:00 AM–11:45 AM

Chairs: Yadira Chinique de Armas and Mirjana Roksandic

Participants:

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

[31] SYMPOSIUM ■ BODIES AS NARRATIVES: REVISITING OSTEobiOGRAPHY AS A CONCEPTUAL TOOL**Room:** East Meeting Room 1 (VCC)**Time:** 8:00 AM–11:45 AM**Chairs:** John Robb and Lauren Hosek**Participants:**

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

[32] SYMPOSIUM ■ THE ISLAND ANTHROPOCENE**Room:** West Meeting Room 203 (VCC)**Time:** 8:00 AM–11:45 AM**Chairs:** Magdalena Schmid and Kristina Douglass**Participants:**

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

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

[33] GENERAL SESSION ■ ARCHAEOLOGY IN CHINA

Room: East Meeting Room 2 (VCC)

Time: 8:00 AM–11:45 AM

Chair: Annie Chan

Participants:

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

[34] SYMPOSIUM ■ PUEBLO MOVEMENT AND THE ARCHAEOLOGY OF BECOMING**Room:** East Ballroom C (VCC)**Time:** 8:00 AM–12:00 PM**Chairs:** Samuel Duwe and Robert Preucel**Participants:**

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

[35] SYMPOSIUM ■ REIMAGINING HUMAN-ANIMAL RELATIONS IN THE CIRCUMPOLAR NORTH**Room:** East Meeting Room 11 (VCC)**Time:** 8:00 AM–12:00 PM**Chairs:** Peter Whitridge and Erica Hill**Participants:**

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

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

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

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

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

[37] SYMPOSIUM ■ ARCHAEOLOGICAL EPISTEMOLOGY IN THE DIGITAL AGE**Room:** East Meeting Room 17 (VCC)**Time:** 8:00 AM–12:00 PM**Chairs:** Rebecca E. Bria and Michael Ashley**Participants:**

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

[38] SYMPOSIUM ■ MODELING PEOPLE, PLACES, AND THINGS: REVISITING ARCHAEOLOGY AS MODEL-BASED SCIENCE**Room:** East Meeting Room 15 (VCC)**Time:** 8:00 AM–12:00 PM**Chair:** Benjamin Davies**Participants:**

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

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

[39] SYMPOSIUM ■ COPAN I: THE LATE CLASSIC PERIOD**Room:** East Ballroom A (VCC)**Time:** 9:00 AM–11:45 AM**Chairs:** Cameron L. McNeil and Alexandre Tokovinine**Participants:**

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

[40] SYMPOSIUM ■ CONTROLLED EXPERIMENTS IN LITHIC TECHNOLOGY AND FUNCTION**Room:** West Meeting Room 209 (VCC)**Time:** 9:45 AM–12:00 PM**Chairs:** Joao Marreiros, Telmo Pereira and Radu Iovita**Participants:**

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

[41] SYMPOSIUM ■ BATTLEFIELD ARCHAEOLOGY: PAST, PRESENT, AND FUTURE**Room:** East Meeting Room 20 (VCC)**Time:** 10:00 AM–12:00 PM**Chair:** Jay Silverstein**Participants:**

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

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

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

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

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

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

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

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

[45] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTH AMERICA I**Room:** East Meeting Room 10 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** Andre Carlo Colonese**Participants:**

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

[46] POSTER SESSION ■ NORTH AMERICA: PACIFIC NORTHWEST II**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 10:30 AM–12:30 PM**Participants:**

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

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

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

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

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

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

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

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

- [49] **POSTER SESSION ■ ARCHAEOLOGY OF STRANDED, INTERTIDAL, AND SUBMERGED SHORELINES ON THE NORTHWEST COAST OF NORTH AMERICA**
(Sponsored by Hakai Institute)
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 10:30 AM–12:30 PM
Chairs: Iain McKechnie and Quentin Mackie

Participants:

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

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

Participants:

- 50-a Anna Marie Prentiss and Thomas A. Foor—Housepit 54 at Bridge River: Seventeen Anthropogenic Floors in Time and Space
- 50-b Lindsay Scott, Anna Marie Prentiss and Matt Walsh—Borrowing and Inheritance: Testing Cultural Transmission Hypotheses in the Bridge River Housepit Village
- 50-c Lindsay Buff, Nathan Goodale, Heather Kendall, David G. Bailey and Anna Marie Prentiss—Sourcing FGV Artifacts Recovered from Housepit 54, Bridge River Housepit Village, British Columbia
- 50-d Kathryn Bobolinski—A Zooarchaeological Analysis of Housepit 54 at the Bridge River Site (EeRI1), Middle Fraser British Columbia
- 50-e Sarah Nowell and Ashley Hampton—The Bone-Tool Assemblage from Housepit 54 at Bridge River
- 50-f Natasha Lyons and Anna Marie Prentiss—Exploring the Status of a Roasting Feature Complex along the Mid-Fraser Canyon, Bridge River Site, British Columbia
- 50-g Katie Neal, Ashley Hampton, Anna Marie Prentiss and Thomas A. Foor—Gendered Cooperation and Competition: A Multivariate Statistical Analysis of Floor Activity Patterns in Housepit 54
- 50-h Nathaniel Perhay, Nathan Goodale, David G. Bailey, Alissa Nauman and Anna Marie Prentiss—A Geochemical Investigation and Spatial Analysis of the Earliest Living Floors of Housepit 54, Bridge River British Columbia
- 50-i Ethan Ryan, Pei-Lin Yu and Matthew Schmader—Household Hearth-Centered Activity Areas and Cache Pit Patterning at the Bridge River Site
- 50-j Emilia Tifental and Kathryn Bobolinski—Housepit 54: Dogs and Their Changing Roles
- 50-k Dongya Yang, Antonia Rodrigues, Anna Marie Prentiss, Eleanor Green and Camilla Speller—An Archaeological Investigation into the Genetic and Dietary Histories of Dogs at the Bridge River Site, British Columbia
- 50-l Alejandra Diaz, Anna Marie Prentiss, Rebecca Macdonald, Olaf Nehlich and Michael P. Richards—Diet and Mobility on the Canadian Plateau: Isotopic Analysis of Domestic Dogs and Other Fauna from the Bridge River Site
- 50-m Meradeth Snow, Clare Super and Anna Marie Prentiss—Ancient DNA from Stone Tools
- 50-n Kristen Barnett—Community Perceptions and Effects of the Bridge River Community Archaeological Project, 2012–2016

- [51] POSTER SESSION ■ PALEOARCHAIC SETTLEMENT OF THE SOUTH SALISH SEA DURING THE LATE PLEISTOCENE-HOLOCENE TRANSITION: A VIEW FROM BEAR CREEK (45KI839)**

Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 10:30 AM–12:30 PM
Chair: Robert Kopperl

Participants:

- 51-a Robert Kopperl, Kenneth M. Ames and Christian Miss—Bear Creek (45KI839) Data Recovery Investigation and the Paleoarchaic Settlement of the South Salish Sea during the Late Pleistocene-Holocene Transition
- 51-b Brandy Rinck—Micromorphological Analysis of Thin Sections from Bear Creek (45KI839), Redmond, King County, Washington

- 51-c Charles Hodges—Late Pleistocene-Holocene (LPH) Paleogeography of the Bear Creek Site (45KI832), Puget Lowland, Western Washington
51-d Jack Johnson—Chronometry at Bear Creek, a ~12,000-Year-Old Site in Western Washington
51-e Charlotte Beck and Amanda Taylor—Bear Creek and the Pacific Northwest Western Stemmed Tradition

[52] GENERAL SESSION ■ THE ARCHAEOLOGICAL NORTHEAST**Room:** East Meeting Room 4 (VCC)**Time:** 10:45 AM–12:00 PM**Chair:** Michael Deal**Participants:**

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

[53] GENERAL SESSION ■ RECENT DEVELOPMENTS IN ARCHAEOBOTANY AND PALEOETHNOBOTANY**Room:** East Meeting Room 7 (VCC)**Time:** 11:00 AM–12:00 PM**Participants:**

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

[54] GENERAL SESSION ■ AFRICAN LITHIC STUDIES I**Room:** East Meeting Room 5 (VCC)**Time:** 11:00 AM–12:00 PM**Chair:** Matthew Kroot**Participants:**

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

Thursday Afternoon ■ March 30, 2017**[55A] THE ETHICS BOWL**

Room: West Meeting Room 208 (VCC)
Time: 1:00 PM–3:00 PM

[55] GENERAL SESSION ■ AFRICAN LITHIC STUDIES II

Room: East Meeting Room 5 (VCC)
Time: 1:00 PM–2:00 PM
Chair: Elizabeth Hart

Participants:

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

[56] GENERAL SESSION ■ INCAN ARCHAEOLOGY I

Room: West Meeting Room 205 (VCC)
Time: 1:00 PM–2:15 PM
Chair: Patricia Chirinos Ogata

Participants:

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

[57] SYMPOSIUM ■ EARTH OBSERVATION FOR ARCHAEOLOGY IN ARID LANDS

Room: West Meeting Room 209 (VCC)
Time: 1:00 PM–2:30 PM
Chairs: Francesc C. Conesa and Stefano Biagetti

Participants:

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

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

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

Participants:

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

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

Participants:

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

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

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

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

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

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

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

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

[63] **FORUM ■ REPATRIATION 101**

Room: East Meeting Room 3 (VCC)

Time: 1:00 PM–3:00 PM

Moderator: Dorothy Lippert

Participants:

Chris Dudar—Discussant

Desiree Martinez—Discussant

Jayne-Leigh Thomas—Discussant

Wendy G. Teeter—Discussant

[64] **FORUM ■ AFRO-LATIN AMERICAN ARCHAEOLOGY**

Room: East Meeting Room 20 (VCC)

Time: 1:00 PM–3:00 PM

Moderators: Kathryn Sampeck, Theresa Singleton and Jeffrey Quilter

Participants:

Adela Amaral—Discussant

Anna Browne Ribeiro—Discussant

Krista Eschbach—Discussant

Kenneth Kelly—Discussant

Kristina Lee—Discussant

Claire K. Maass—Discussant

Guido Pezzarossi—Discussant

Rus Sheptak—Discussant

Frederick Smith—Discussant

Parker VanValkenburgh—Discussant

Brendan Weaver—Discussant

Julie K. Wesp—Discussant

[65] **FORUM ■ PERTURBING THE PEACE: A TRIBUTE TO JOAN GERO**

Room: East Meeting Room 7 (VCC)

Time: 1:00 PM–3:00 PM

Moderators: Tamara Bray and Benjamin Alberti

Participants:

H. Martin Wobst—Discussant

Margaret Conkey—Discussant

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

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

Room: East Meeting Room 4 (VCC)
Time: 1:00 PM–3:00 PM
Moderator: Paulina Przystupa

Participants:

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

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

MAYA LOWLANDS
Room: East Meeting Room 9 (VCC)
Time: 1:00 PM–3:00 PM
Moderators: Justine Shaw and Rebecca Hill

Participants:

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

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

Room: West Meeting Room 203 (VCC)
Time: 1:00 PM–3:30 PM
Chair: Robin Skeates

Participants:

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

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

[69] GENERAL SESSION ■ ARCHAEOLOGY OF THE CARIBBEAN I

Room: East Meeting Room 14 (VCC)

Time: 1:00 PM–3:15 PM

Chair: Jenny Riley

Participants:

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

[70] SYMPOSIUM ■ THE FUTURE OF FUNDING FOR ARCHAEOLOGY

Room: West Meeting Room 202 (VCC)

Time: 1:00 PM–3:45 PM

Chairs: Peter Gould and Ran Boytner

Participants:

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

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

[71] SYMPOSIUM ■ COPAN II: THE LATE CLASSIC, TERMINAL CLASSIC, AND POSTCLASSIC PERIODS
Room: East Ballroom A (VCC)
Time: 1:00 PM–3:45 PM
Chair: Edy Barrios

Participants:

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

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

Room: East Meeting Room 2 (VCC)

Time: 1:00 PM–3:45 PM

Chairs: Steffan Gordon, Natasha Osing and Jasmine Sacharuk

Participants:

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

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

Room: West Meeting Room 210 (VCC)

Time: 1:00 PM–3:45 PM

Chairs: Lindsay Der and Justine Issavi

Participants:

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

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

[74] SYMPOSIUM ■ GENDER, RACE, AND OTHER CONSEQUENTIAL CATEGORIES: EXPERIMENTS IN INTERSECTIONAL ARCHAEOLOGY
Room: East Meeting Room 13 (VCC)
Time: 1:00 PM–4:00 PM
Chairs: Christina Hodge and Jessica Striebel MacLean

Participants:

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

[75] SYMPOSIUM ■ ARCHAEOLOGICAL MICROHISTORY AT A PLANNED COLONIAL TOWN IN HIGHLAND PERU
Room: West Meeting Room 206 (VCC)
Time: 1:00 PM–4:15 PM
Chair: Steven A. Wernke

Participants:

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

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

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

Room: East Meeting Room 10 (VCC)

Time: 1:00 PM–4:30 PM

Chair: Kirrily White

Participants:

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

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

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

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

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

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

[79] SYMPOSIUM ■ TOOLSTONE PAPERS IN HONOR OF THE CAREERS OF CHARLOTTE BECK AND GEORGE T. JONES
Room: East Ballroom B (VCC)
Time: 1:00 PM–4:45 PM
Chairs: Rachel Horowitz and Nathan Goodale

Participants:

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

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

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

Room: East Ballroom C (VCC)

Time: 1:00 PM–4:45 PM

Chair: Nan Gonlin

Participants:

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

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

Room: East Meeting Room 11 (VCC)

Time: 1:00 PM–4:45 PM

Chairs: Anthony Krus and Victor Thompson

Participants:

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

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

[82] SYMPOSIUM ■ IN THE LAND OF THE SKY: RECENT INTERDISCIPLINARY ARCHAEOLOGICAL RESEARCH IN THE LOWER RÍO VERDE VALLEY, OAXACA
Room: East Meeting Room 8 (VCC)
Time: 1:00 PM–4:45 PM
Chairs: Arthur Joyce and Sarah Barber

Participants:

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

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

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

Room: East Meeting Room 12 (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Debora Trein and Fred Valdez

Participants:

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

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

Room: East Exhibit Hall A (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Karen Harry, Barbara Roth and James Bayman

Participants:

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

[85] SYMPOSIUM ■ RETHINKING METHODS OF FAUNAL ANALYSIS

Room: East Meeting Room 1 (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Eugène Morin, Arianne Boileau and Elspeth Ready

Participants:

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

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

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

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

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

[87] POSTER SESSION ■ NEW GEOARCHAEOLOGICAL AND GEOPHYSICAL RESEARCH

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

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

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

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

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

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

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

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

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

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

[91] POSTER SESSION ■ ANALYTICAL METHODS FOR LITHIC TECHNOLOGY

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

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

[92] GENERAL SESSION ■ BIOARCHAEOLOGY AND GENETICS

Room: West Meeting Room 205 (VCC)

Time: 2:45 PM–5:00 PM

Chair: Robin Wineinger

Participants:

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

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

[93] FORUM ■ A HISTORY OF THE CARIBBEAN IN 100 OBJECTS

Room: East Meeting Room 5 (VCC)

Time: 3:00 PM–5:00 PM

Moderators: Angus Mol and Alice Samson

Participants:

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

[94] SYMPOSIUM ■ ORIGIN AND DEVELOPMENT OF THE PRECOLUMBIAN CITY OF TAMTOC, IN THE HUASTEC POTOSINA, MEXICO: RECENT INVESTIGATIONS

Room: East Meeting Room 15 (VCC)

Time: 3:00 PM–5:00 PM

Chair: Patricia Hernandez Espinoza

Participants:

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

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

Room: East Meeting Room 17 (VCC)

Time: 3:00 PM–5:00 PM

Chairs: Monica Ramsey and Arlene Rosen

Participants:

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

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

Room: East Meeting Room 18 (VCC)

Time: 3:00 PM–5:00 PM

Chairs: Jessica Hendy and Frido Welker

Participants:

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

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

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

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

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

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

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

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

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

Room: East Meeting Room 20 (VCC)

Time: 3:15 PM–5:00 PM

Chair: Randolph Donahue

Participants:

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

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

Room: East Meeting Room 9 (VCC)

Time: 3:15 PM–5:00 PM

Chair: T. Douglas Price

Participants:

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

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

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

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

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

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

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

[105] GENERAL SESSION ■ HOHOKAM ARCHAEOLOGY

Room: West Meeting Room 203 (VCC)

Time: 3:45 PM–5:00 PM

Chair: Jerry Lyon

Participants:

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

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

Room: East Meeting Room 3 (VCC)

Time: 3:45 PM–5:00 PM

Chair: Erin Nelson

Participants:

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

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

Room: East Meeting Room 14 (VCC)

Time: 4:00 PM–5:00 PM

Chair: Levi Keach

Participants:

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

Thursday Evening ■ March 30, 2017

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

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

Room: East Meeting Room 4 (VCC)

Time: 6:00 PM–8:00 PM

Moderators: Sara L. Gonzalez and Ora Marek-Martinez

Participants:

Paul Backhouse—Discussant

Dennis Lewarch—Discussant

William Quackenbush—Discussant

Maureen Mahoney—Discussant

Briece Edwards—Discussant

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

(Sponsored by Women in Archaeology Interest Group)

Room: East Meeting Room 15 (VCC)

Time: 6:00 PM–8:00 PM

Moderators: Meagan Thies and Ashley Jones

Participants:

Patrick Garrow—Discussant

Janet Levy—Discussant

Bonnie Pitblado—Discussant

Dawn Rutecki—Discussant

Silvia Tomaskova—Discussant

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

(Sponsored by Geoarchaeology Interest Group)

Room: East Meeting Room 20 (VCC)

Time: 6:00 PM–8:00 PM

Moderator: Mike Carson

Participants:

Paul Goldberg—Discussant

Gary Huckleberry—Discussant

Lisa Maher—Discussant

Tristram Kidder—Discussant

Michael Storozum—Discussant

Rachel Cajigas—Discussant

Anthony Tricarico—Discussant

Andrea Freeman—Discussant

Victor Thompson—Discussant

Christopher L. Hill—Discussant

Loren Davis—Discussant

Arlene Rosen—Discussant

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

Room: East Meeting Room 7 (VCC)

Time: 6:00 PM–8:00 PM

Moderators: Chris Webster and Christopher Sims

Participants:

Michael Ashley—Discussant

Christopher Sims—Discussant

Stephen Wagner—Discussant

April Kamp-Whittaker—Discussant

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

(Sponsored by Digital Data Interest Group)

Room: East Meeting Room 9 (VCC)

Time: 6:00 PM–8:00 PM

Moderator: Ben Marwick

Participants:

Kyle Bocinsky—Discussant

Paulina Przystupa—Discussant

Benjamin Davies—Discussant

Thomas Dye—Discussant

Daniel Contreras—Discussant

Matthew Harris—Discussant

[113] POSTER SESSION ■ ARCHAEOLOGY IN EAST ASIA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 6:00 PM–8:00 PM

Participants:

- 113-a Ruby Kerwin and Sarah Klassen—Developing Typologies of Temple Features of Angkor, Cambodia
- 113-b Yiping Li—Social Difference between Songze Culture and Liangzhu Culture as Reflected on Jade Artifacts
- 113-c Eric Kelley, Ben Marwick, Son Pham, Hoàng Diệp and Lam My Dzung—Geometric Morphometry versus Traditional Stone Artifact Typology in the Hoabinhian of Northern Vietnam
- 113-d Yue Hu, Ben Marwick, Weiwen Huang, Jiafu Zhang and Bo Li—The Lithic Assemblage of Guanyindong: Implications of Technological Cognition of Hominids in Southwest China in Middle-Late Pleistocene
- 113-e Baohua Hu—A Kind of Broad-Leave Bronze Spears in North China That Are Similar to the Seima-Turbino Ones
- 113-f Fei Peng, Sam Lin, Nicolas Zwyns, Jialong Guo and Xing Gao—Preliminary Results from the New Excavation at the Upper Paleolithic Site of Shuidonggou Locality 2, Ningxia (China)
- 113-g Richard Ciolek-Torello, Jeffrey Altschul, John Olsen, Ch. Amartuvshin and B. Gunchinsuren—Fortified Towns in a Nomadic Pastoral Landscape on the Mongolian Steppe: Bai Balik and the Northern Railways Archaeological Project
- 113-h Matthew Ordinario—Artifact Density and Predictive Modeling in Old Kiyangan Village
- 113-i Madeleine Yakal—Exotic Beads and Jar Burials: Social Elaboration in the Old Kiyangan Village, Ifugao, Philippines
- 113-j Tommy Budd—A Biodistance Study of Shang Dynasty Human Sacrifice
- 113-k Daniela Wolin, Yuling He, Zhonghe Liang and Junfeng Guo—An Intersite Comparison of Human Skeletal Trauma in Shang Dynasty China

[114] POSTER SESSION ■ HUMAN, ANIMAL, AND ENVIRONMENTAL INTERACTION IN NORTHEAST ASIA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 6:00 PM–8:00 PM

Chairs: Julia Clark and William Taylor

Participants:

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

[115] POSTER SESSION ■ BIO-CULTURAL APPROACH TO THE OSTEOARCHAEOLOGICAL INQUIRIES IN CHINA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 6:00 PM–8:00 PM

Chairs: Hua Zhang, Deborah C. Merrett and Jacqueline Eng

Participants:

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

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

[116] POSTER SESSION ■ RECENT ADVANCES IN CHINESE ZOOARCHAEOLOGY**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 6:00 PM–8:00 PM**Chairs:** Jing Yuan, Dongya Yang and Xin Zhao**Participants:**

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

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

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

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

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

[119] SYMPOSIUM ■ ANCIENT MEXICO AND THE LEGACY OF HENRY B. NICHOLSON**Room:** East Meeting Room 17 (VCC)**Time:** 6:00 PM–8:00 PM**Chairs:** Jeremy Coltman, Angel González López and Claudia Camacho-Trejo**Participants:**

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

[120] SYMPOSIUM ■ THE TULA REGION INTERACTION AND MIGRATION PROJECT (TRIMP): YEAR 1**Room:** East Meeting Room 14 (VCC)**Time:** 6:00 PM–8:15 PM**Chairs:** J. Heath Anderson and Emily Kate**Participants:**

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

[121] SYMPOSIUM ■ MIDDLE PLEISTOCENE SUBSISTENCE IN THE AZRAQ OASIS, JORDAN:**PROTEIN RESIDUE AND OTHER PROXIES****Room:** East Meeting Room 13 (VCC)**Time:** 6:00 PM–8:15 PM**Chairs:** April Nowell and Carlos Cordova**Participants:**

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

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

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

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

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

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

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

[124] GENERAL SESSION ■ PRESERVING HERITAGE SITES**Room:** West Meeting Room 203 (VCC)**Time:** 6:00 PM–8:15 PM**Chair:** Alvaro Higueras**Participants:**

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

[125] SYMPOSIUM ■ CERAMICS AND SOCIETY AMONG THE CLASSIC MAYA CITIES OF THE WESTERN PETÉN**Room:** East Meeting Room 19 (VCC)**Time:** 6:00 PM–8:45 PM**Chair:** Keith Eppich**Participants:**

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

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

[126] SYMPOSIUM ■ INVESTIGATING A TEN-MILLENNIA RECORD OF HUNTER-GATHERER**LIFEWAYS IN THE NORTHEASTERN CHIHUAHUAN DESERT****Room:** East Meeting Room 16 (VCC)**Time:** 6:00 PM–8:45 PM**Chair:** Charles W. Koenig**Participants:**

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

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

Room: East Meeting Room 18 (VCC)

Time: 6:00 PM–8:45 PM

Chairs: Amanda Burtt and Brandi Bethke

Participants:

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

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

Room: East Meeting Room 12 (VCC)

Time: 6:00 PM–8:45 PM

Chairs: Douglas Smit and Guido Pezzarossi

Participants:

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

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

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

Room: East Ballroom C (VCC)

Time: 6:00 PM–8:45 PM

Chairs: James Potter and William Graves

Participants:

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

[130] SYMPOSIUM ■ RECENT ANALYTICAL CONTRIBUTIONS TO CHACOAN ARCHAEOLOGY

Room: East Ballroom B (VCC)

Time: 6:00 PM–8:45 PM

Chair: Chip Wills

Participants:

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

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

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

Room: West Meeting Room 206 (VCC)

Time: 6:00 PM–8:45 PM

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

Participants:

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

[132] GENERAL SESSION ■ ARCHAEOLOGY OF THE MEDITERRANEAN REGION

Room: East Meeting Room 3 (VCC)

Time: 6:00 PM–8:45 PM

Chair: Ashley Cercone

Participants:

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

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

[133] SYMPOSIUM ■ IDENTITY AND CHANGE: ARCHAEOLOGICAL INTERACTION ACROSS ARCHIPELAGOS, INLAND SEAS, AND OCEANS
Room: East Meeting Room 11 (VCC)
Time: 6:00 PM–9:00 PM
Chairs: Simon Stoddart and Caroline Malone

Participants:

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

- [134] SYMPOSIUM ■ RE-PENSANDO LA/S MOVILIDAD/ES ANDINA/S: NUEVAS PERSPECTIVAS EN TORNO AL VIAJE, CONTACTO, INTERACCIÓN, INTERCAMBIO Y OBTENCIÓN DE RECURSOS EN LOS ANDES CENTRO-SUR**
Room: West Meeting Room 209 (VCC)
Time: 6:00 PM–9:00 PM
Chairs: Francisca Santana Sagredo and Mauricio Uribe

Participants:

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

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

Room: West Meeting Room 210 (VCC)

Time: 6:00 PM–9:00 PM

Chair: Elizabeth H. Paris

Participants:

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

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

[136] SYMPOSIUM ■ RITUAL DURING PERIODS OF DECLINE, COLLAPSE, AND REGENERATION IN ARCHAIC STATES**Room:** West Meeting Room 202 (VCC)**Time:** 6:00 PM–9:00 PM**Chair:** Joanne Murphy**Participants:**

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

[137] SYMPOSIUM ■ MOUNTAIN TOWNS AND CROSSROADS: ARCHAEOLOGY OF THE SIERRA SUR OF OAXACA, MEXICO**Room:** West Meeting Room 205 (VCC)**Time:** 6:00 PM–9:15 PM**Chair:** Alex E. Badillo**Participants:**

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

[138] SYMPOSIUM ■ RECONSTRUCTING INDIGENOUS PRACTICES IN MUSEUM SETTINGS: PERSPECTIVES AND APPROACHES**Room:** West Meeting Room 204 (VCC)**Time:** 6:00 PM–9:15 PM**Chairs:** Claire Heckel and Matthew Magnani**Participants:**

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

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

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

Room: East Meeting Room 1 (VCC)

Time: 6:00 PM–9:15 PM

Chair: Elizabeth Craig-Atkins

Participants:

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

[140] GENERAL SESSION ■ RECENT PALEOINDIAN STUDIES I

Room: East Meeting Room 2 (VCC)

Time: 6:00 PM–9:15 PM

Chair: James Chatters

Participants:

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

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

[141] SYMPOSIUM ■ A GLOBAL DIALOGUE ON COLLABORATIVE ARCHAEOLOGY**Room:** East Ballroom A (VCC)**Time:** 6:00 PM–9:45 PM**Chairs:** Bonnie Clark and Meredith S. Chesson**Participants:**

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

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

[142] GENERAL SESSION ■ THE ARCHAEOLOGY OF FOODWAYS

Room: West Meeting Room 207 (VCC)

Time: 6:00 PM–9:45 PM

Chair: R.G. Matson

Participants:

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

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

Room: East Exhibit Hall A (VCC)

Time: 6:00 PM–10:00 PM

Chairs: Susan C. Kuzminsky and Laura Weyrich

Participants:

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

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

[144] SYMPOSIUM ■ ARCTIC AND SUBARCTIC COASTS: CURRENT RESEARCH AND MODERN CHALLENGES
Room: East Meeting Room 8 (VCC)
Time: 6:00 PM–10:00 PM
Chairs: Anne Jensen and Christopher Wolff

Participants:

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

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

Friday Morning ■ March 31, 2017**[145] SYMPOSIUM ■ RECENTES APORTACIONES SOBRE EL ESTUDIO DE LA CULTURA MATERIAL DE SANTA CRUZ ATIZAPÁN, UN CENTRO REGIONAL DEL CLÁSICO TARDÍO—EPICLÁSICO EN LA CUENCA DEL ALTO LERMA****Room:** East Meeting Room 10 (VCC)**Time:** 8:00 AM–9:30 AM**Chairs:** Rubén Nieto and Gustavo Jaimes Vences**Participants:**

- 8:00 Yoko Sugiura—Desarrollo de Santa Cruz Atizapan: Un Centro Regional en la Margen Occidental de la Ciénaga de Chignahuapan, Valle de Toluca
8:15 Gustavo Jaimes Vences, Sugiura Yoko and Xim Bokhimi—Caracterización Química (MEB-EDS) y Cristalográfica (DRX) de Cerámica Local del Sitio Arqueológico Santa Cruz Atizapán
8:30 Rubén Nieto, Gustavo Jaimes Vences, Xim Bokhimi and Yoko Sugiura—La Cerámica Engobe Naranja Grueso de Santa Cruz Atizapán: Examen Integral de un Indicador Arqueológico del Intercambio durante el Epiclásico (ca. 650–900 dC)
8:45 Mauricio Obregón and Luis Barba—Chemical Residues in Ceramic Household Containers of Santa Cruz Atizapan Site in the Valley of Toluca, Mexico
9:00 Abigail Meza-Peñaiza and Yoko Sugiura—Salud y Adaptación al Medio en San Mateo Atenco y Santa Cruz Atizapan (ca. 200–1000 dC)
9:15 Francisco Sanchez—Tizatl y Tizatlalli: El Uso de Diatomea Fósil en el Engobe Blanco de la Cerámica Coyotlatelco en Santa Cruz Atizapán

[146] GENERAL SESSION ■ AFRICAN ARCHAEOLOGY I**Room:** West Meeting Room 203 (VCC)**Time:** 8:00 AM–9:45 AM**Chair:** Pamela Willoughby**Participants:**

- 8:00 Michael Bisson—Paleolithic Survey on the Upper Luangwa Valley, Zambia
8:15 Pamela Willoughby—A Middle and Later Stone Age Sequence from Iringa, Southern Tanzania
8:30 Jessica Thompson, Alan Morris, Flora Schilt, Andrew Zipkin and Kendra Sirak—The Forgotten Significance of the Later Stone Age Sites near Hora Mountain, Mzimba District, Malawi
8:45 Benjamin Collins and Christopher Ames—Preliminary Results from New Excavations of the Late Pleistocene Occupations at Grassridge Rockshelter, South Africa
9:00 Peter Coutros and Jessamy Doman—People and Paleoclimates at the Diallowali Site Complex: Changing Patterns along the Middle Senegal Valley throughout the First Millennium BC
9:15 Amanuel Beyin, Hong Wang, Mary Prendergast and Katherine Grillo—Terminal Pleistocene and Early Holocene Settlements in West Turkana (Northern Kenya): New Radiocarbon Dates
9:30 Elizabeth Wilson, Cynthia M. Fadem, Victoria P. Johnson, Audax Z. P. Mabulla and Charles P. Egeland—Taphonomic and Geological Approaches to the Identification of In Situ versus Ex Situ Archaeological Material: A Case Study from BK East, Bed II, Olduvai Gorge

- [147] **FORUM ■ GRAPPLING WITH COMPLEXITY: A FORUM IN HONOR OF KATHARINA SCHREIBER**
Room: East Meeting Room 7 (VCC)
Time: 8:00 AM–10:00 AM
Moderators: Christina Conlee and Kevin Vaughn

Participants:

Justin Jennings—Discussant
Alicia Gorman—Discussant
Tiffiny A. Tung—Discussant
John Kantner—Discussant
Matt Edwards—Discussant
Hendrik Van Gijseghem—Discussant
Ian Lindsay—Discussant
Jason Toohey—Discussant
Brian Billman—Discussant
Corina Kellner—Discussant
Dennis Ogburn—Discussant

- [148] **FORUM ■ ARCHAEOLOGICAL VOLCANOLOGY**
Room: East Meeting Room 20 (VCC)
Time: 8:00 AM–10:00 AM
Moderators: Felix Riede, Gina Barnes and Payson Sheets

Participants:

Ben Fitzhugh—Discussant
Payson Sheets—Discussant
Gerald Oetelaar—Discussant
Richard VanderHoek—Discussant
Andrew Dugmore—Discussant
Mark Elson—Discussant
Masaru Kobayashi—Discussant
Christopher A. Pool—Discussant
Karen Holmberg—Discussant
James A. Zeidler—Discussant

- [149] **FORUM ■ BEYOND DATA MANAGEMENT: A CONVERSATION ABOUT “DIGITAL DATA REALITIES”**
Room: East Meeting Room 5 (VCC)
Time: 8:00 AM–10:00 AM
Moderators: Sarah Whitcher Kansa and Eric Kansa

Participants:

Adela Sobotkova—Discussant
Julian Richards—Discussant
Ixchel Faniel—Discussant
Tim Goddard—Discussant
W. Fredrick Limp—Discussant
Ben Marwick—Discussant
Anne Austin—Discussant
Jeremy Huggett—Discussant
Adam Brin—Discussant

- [150] FORUM ■ PROFESSIONALS, AVOCATIONALS, COLLECTORS: RECALIBRATING THE RELATIONSHIP**
Room: East Meeting Room 4 (VCC)
Time: 8:00 AM–10:00 AM
Moderators: Michael Shott and Bonnie Pitblado

Participants:

Christopher Espenshade—Discussant
Suzie Thomas—Discussant
Guadalupe Sanchez Miranda—Discussant
Virginia L. Butler—Discussant
Angela Neller—Discussant
Dennis Lewarch—Discussant
Giovanna Peebles—Discussant
Jim Cox—Discussant
Teddy Stickney—Discussant

- [151] POSTER SESSION ■ ARCHAEOLOGY IN WESTERN ASIA**
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 8:00 AM–10:00 AM

Participants:

- 151-a Jane Skinner, Timothy Hay, Katherine Smyth, Jamie Quartermaine and Ann E. Killebrew—Landscape Archaeology and New Technologies at Tel Akko and in the Plain of Akko
151-b Michael Neeley and Steven Swinford—Complete versus Broken: Exploring Assemblage Variation in Two Natufian Sites from Jordan
151-c Yael Rotem—The Transformation from Complex Village Society to Local Urbanism in the Southern Levant: New Observations in Light of Evidence from the Central Jordan Valley in the Early Bronze Age I–II
151-d Megan Wong, Martin Steskal, Elise Naumann, Johann Rasmus Brandt and Michael P. Richards—Diet and Mobility in Roman and Byzantine Turkey
151-e Jennifer Ramsay and Geoffrey Hedges—Evidence of Destruction at the End of the Early Bronze Age III Period at Khirbet Iskander, Jordan: An Archaeobotanical Perspective
151-f Jennifer Jones—Population Aggregation at the Early Bronze Age Settlement of al-Lajjun, Kerak Plateau, Jordan
151-g Daniella Tarquinio, Gerald Conlogue, Jaime Ullinger and Ramon Gonzalez—Confirmation of an Osteological Feature, Diploic Veins, via Three Imaging Modalities
151-h Catherine Scott—A Comparison of Elemental Analysis Methods for Sediment Geochemistry
151-i Gwendolyn Kristy, Kate Frank and Emily Hammer—The Impacts of Urbanization on Archaeological Site Preservation in Afghanistan
151-j Heather Hilson, Sarah B. McClure and Timothy M. Ryan—Comparing Bone Structure and Domestic Sheep Management Strategies Using Microcomputed Tomography (microCT)

- [152] POSTER SESSION ■ AFRICAN ZOOARCHAEOLOGY**
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 8:00 AM–10:00 AM

Participants:

- 152-a Liat Lebovich, Victoria P. Johnson, Ryan M. Byerly, Cynthia M. Fadem and Charles P. Egeland—Taphonomy of a Modern Landscape Bone Assemblage in the Ngorongoro Conservation Area, Tanzania

- 152-b Robert Diehl—Toward an Interpretive Framework for Burnt Ostrich Eggshell: An Experimental Study
- 152-c Rachel Sender, Daniel Peart, Hannah Keller and Naomi Cleghorn—Ostrich Eggshell Taphonomy and Distribution at Knysna Eastern Heads Cave 1
- 152-d Sean Hixon, Emma Elliott Smith, Brooke Crowley, Richard Bankoff and Douglas J. Kennett—Patterns in Amino Acid Delta 15N Values of Lemurs Are Inconsistent with Aridity Driving Megafaunal Extinction in Southwestern Madagascar
- 152-e Stephen Merritt and Kara Peters—The Impact of Experience and Flake Attributes on Carcass Processing Time and Efficiency during Actualistic Early Stone Age Butchery

[153] POSTER SESSION ■ EARLY AND MIDDLE STONE AGE ARCHAEOLOGY IN AFRICA**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 153-a Andrew Schroll, Grant McCall, Theodore Marks and James McGrath—Behavior Change in Hunter-Gatherers of the Namib: A Reanalysis of the Terminal Pleistocene Lithic Technology at the Mirabib Hill Rockshelter, Western Namibia
- 153-b Catherine Miller, Russell Cutts, David R. Braun and J.W.K. Harris—Landscape Survey of Potential Combustion Features at FxJj20 Site Complex in Koobi Fora, Kenya
- 153-c Naomi Cleghorn, Ximena Villagran, Benjamin Schoville, Daniel Peart and Hannah Keller—Hearth Features at Knysna Eastern Heads Cave 1, Southern Coast of South Africa
- 153-d Courtney Jirsa, Tamara Dogandžić, Kathryn L. Ranhorn and David R. Braun—Assessing Edge Damage in MSA Lithic Assemblages: Experimental Proxies for the Analysis of Use and Postdepositional Damage
- 153-e Michael Ziegler, Shannon Warren, Ssebuyungo Christopher, Silindokuhle Mavuso and Kathryn L. Ranhorn—Site Formation Analysis of Middle Stone Age Locality Gajj17 in the Koobi Fora Formation, Northern Kenya
- 153-f Sidney Reynolds, Jonathan S. Reeves, Matthew Douglass and David R. Braun—Hominin Land Use of and Movement in the Koobi Fora Formation (Kenya)
- 153-g Logan Van Hagen, Kathryn L. Ranhorn, Tamara Dogandžić and David R. Braun—Lithic Analysis of Gajj17: A Middle Stone Age Locality in Koobi Fora, Northern Kenya
- 153-h Ella Beaudoin, David R. Braun and Jonathan S. Reeves—Tool Use Across Space in the Middle Pleistocene: Novel Techniques of Edge Damage Analysis at Elandsfontein, South Africa

[154] POSTER SESSION ■ METHODOLOGICAL ADVANCES IN AFRICAN ARCHAEOLOGY**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 154-a Amy Chan—An Analysis of Funerary Food Offerings and Imagery in Theban Tombs from New Kingdom, Egypt
- 154-b Celia Goncalves, João Cascalheira, Jonathan Haws, Mussa Raja and Nuno Bicho—Using GIS and Archaeological Survey Data for the Reconstruction of Stone Age Settlement Patterns in the Elephant River Valley, Mozambique
- 154-c Sean Deryck, Russell Cutts, David R. Braun and J.W.K. Harris—Ongoing Excavations at FxJj20Main-Extension-0, Koobi Fora, Kenya
- 154-d João Cascalheira, Nuno Bicho and Celia Goncalves—An Android-Based System for Archaeological Survey and On-Site Stone Tool Analysis

- 154-e Raghda El-Behaedi, Douglas Gamble, Eman Ghoneim and Eleanor Reber—Using Remote Sensing to Monitor and Predict the Inundation of the Abu Simbel Temples, Egypt
- 154-f Ross Campbell, Russell Cutts, David R. Braun and J.W.K. Harris—Statistical Evidence for a New Method of Identifying Anthropogenic Fire in the Archaeological Record
- 154-g Caroline McKinney, Sarah Hlubik and David R. Braun—Applications of Multipispectral Imagery to the Archaeology of Human Origins
- 154-h Jacob Foubert and James McGrath—Of Ostrich and Ochre: The Application of pXRF to Detect Experimentally Pigmented Ostrich Eggshell
- 154-i Ryan Szymanski—Human Landscape Modification and Environmental Change in the Western Kenyan Highlands
- 154-j Steven Goldstein, Michael Storozum, Fiona Marshall, Rachel Reid and Stanley Ambrose—Herder Land Use and Nutrient Hotspots in Southern Kenya: Geochemical Analysis of Anthropogenic Soil Enrichment
- 154-k Meredith Carlson, Jonathan S. Reeves, David R. Braun and Matthew Douglass—An Experimental and Archaeological Investigation of the Role of Edge Angle in Lithic Artifact Damage: Applications to the Koobi Fora Fm., Kenya

[155] POSTER SESSION ■ CURRENT CERAMICS RESEARCH IN THE AMERICAN SOUTHWEST
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 8:00 AM–10:00 AM

Participants:

- 155-a Emily Case and Emma Britton—Compositional and Lead Isotope Analyses of Carretas and Huerigos Polychrome from Northwestern Chihuahua
- 155-b Suzanne Eckert, David Hill and Judith Habicht-Mauche—Exploring the Keresan Bridge: Acoma Glaze Ware Pottery Production and Exchange in an Interregional Context
- 155-c Robert Bischoff—A Spatial Analysis of San Juan Red Ware Using Least Cost Paths
- 155-d Leszek Pawlowicz, Christopher Downum and Michael L. Terlep—Applications of Machine Learning to Classification and Analysis of Southwestern U.S. Ceramic Designs
- 155-e David Lewandowski and Theodore Tsouras—Testing Methods for Ceramic Dating on Northern Black Mesa
- 155-f Rebecca L. Simon—When Pots Walk: Reverse Archaeology at a Chaco Outlier Site in the Central Mesa Verde Region
- 155-g Sachiko Sakai—Reevaluating Diachronic Trends of Corrugated Ware and Rim Eversion of Jars in Virgin Branch Ancestral Pueblo Ceramics Using Optically Stimulated Luminescence (OSL) Dating
- 155-h Christina Stewart—Reading Between the Lines: A Biscuitware Analysis in the Lower Chama Valley
- 155-i Kelsey Reese, Molly Iott, Katherine Portman, Donna Glowacki and James Potter—Pottery Production at Cowboy Wash Pueblo: A Central Village on the Ute Piedmont Frontier
- 155-j Brenton Willhite, Andrew Fernandez, Andrew Krug and Christine VanPool—Paint It Black: A Geospatial Analysis of Chupadero Black-on-White Ceramics
- 155-k William Willis—Spatial-Temporal Distribution of Prehistoric Puebloan Settlements and Ceramic Wares on the Shivwits Plateau
- 155-l Andrew Duff, Judith Habicht-Mauche and Rob Franks—Glaze-Paint Pigmenting Strategies in the Upper Little Colorado and Western Zuni Regions of the American Southwest

[156] POSTER SESSION ■ CENTRAL AMERICA AND CARIBBEAN**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 156-a Gabriela Roman Buso, Ash A. Matchett, Juan Carlos Martínez-Cruzado and Edwin Crespo Torres—Molecular Disease Characterization in a Precolumbian Indigenous Population of Punta Candelero, Puerto Rico
- 156-b John Krigbaum, Christina M. Giovas and Scott Fitzpatrick—Agouti Commensalism? An Open Question in the Prehistoric Lesser Antilles, West Indies
- 156-c Catherine G. Cooper, Angela Perri, Jessica L. Burns, Jeremy M. Koster and Michael P. Richards—Dietary Variability through Isotopic Analysis of Modern Human Hair from Nicaragua: Exploring Significant Differences in Diet between and among Demographic Groups in a Single Population
- 156-d Franziska Fecher, Markus Reindel and Peter Fux—Interregional Connections of Northeast Honduras during the Postclassic Period
- 156-e Monica Briseno—Archaeology of Religion in Nicaragua
- 156-f Patricia Hansell—High-Resolution Imaging of Stone Tools from the First Millennium BC, Grand Coclé Region of Panama: A Digital Archive Initiative
- 156-g Carrie Dennett and Lorelei Platz—Materializing Ritual: Sorcery, Transformation, and Divination in Greater Nicoya

[157] SYMPOSIUM ■ RETHINKING ARCHAEOLOGIES OF PILGRIMAGE**Room:** East Meeting Room 9 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Benjamin Skousen**Participants:**

- 8:00 Benjamin Skousen—A Relational View of Pilgrimage: Movements, Materials, and Effects
- 8:15 Ryan Lash—Pilgrims and Pebbles: The Taskscape of Veneration on Inishark, County Galway
- 8:30 Joel Palka—Mesopotamian Clay Tokens, Pilgrimage, and Interaction
- 8:45 Todd VanPool and Christine VanPool—Traveling to the Horned Serpent's Home: Pilgrimages to Paquimé
- 9:00 Lauren Ristvet—Peripatetic Kingship, Pilgrimage and Pastoralism: Reevaluating the Politics of Movement in the Ancient Near East
- 9:15 Eleanor Harrison-Buck—It's the Journey, Not the Destination: Maya New Year's Pilgrimage as Circumambulatory Movement and Regenerative Power
- 9:30 Robert Weiner—Playing with Fate: A Relational and Sensory Approach to Pilgrimage at Chaco Canyon
- 9:45 Ruth Van Dyke—Discussant

[158] SYMPOSIUM ■ THE LIMITS OF “LANDSCAPE”: ALTERNATIVE ARCHAEOLOGIES OF SPACE**Room:** East Meeting Room 2 (VCC)**Time:** 8:00 AM–10:00 AM**Chairs:** Jan Kolen, Eduardo Herrera Malatesta and Martti Veldi**Participants:**

- 8:00 Jeff Oliver—Discussant
- 8:15 Jan Kolen—Discussant
- 8:30 Felipe Criado-Boado—Discussant
- 8:45 Jan Kolen—The First Cultural Landscapes of Europe—and Before . . .
- 9:00 Marcos Llobera—Not Landscape: Landscape Archaeology as Bricolage

- 9:15 Alexander Geurds—Mohammed's Paradise: Indigenous Society and Natural Surroundings in Southern Central America
9:30 Martti Veldi—Biographical Approach for Evaluating Archaeological Landscapes: A Case Study from Estonia
9:45 Eduardo Herrera Malatesta—Contrasting Worldviews in Hispaniola: Places and Taskscapes at the Age of Colonial Encounter

[159] SYMPOSIUM ■ BEYOND (BETWEEN, WITHIN, THROUGH) THE GRID: THE CONTOURS OF MAPPING AND GIS IN HISTORICAL ARCHAEOLOGY

Room: East Meeting Room 17 (VCC)

Time: 8:00 AM–10:15 AM

Chairs: Alanna Warner-Smith and Sarah Platt

Participants:

- 8:00 Holly Norton—Arm Chair Archaeology: GIS-ing the 1733 St. Jan Slave Rebellion
8:15 Alanna Warner-Smith—A View from Somewhere: Mapping Nineteenth-Century Cholera Narratives
8:30 Sarah Platt—Modern Floods, Historic Fires, and Unstable Urban Landscapes in Charleston, South Carolina
8:45 Siobhan Hart and George Homsy—Stories from North of Main: Neighborhood Heritage Story Mapping
9:00 Ryan Kennedy, Guido Pazzarossi and Tamar Brendzel—The Fish of Fort Morris: A GIS-Based Study of Human-Environment Interaction during the American Revolutionary War
9:15 Liza Gijanto—Interpreting West Ashcom: Drones, Artifacts, and Archives
9:30 Heather Law Pezzarossi—Visualizing Nineteenth-Century Nipmuc Landscapes
9:45 Kathryn Sampeck, Tyler Howe and Russell Townshend—Time, Place, and Community: Visualizing the Living Cherokee Landscape
10:00 Questions and Answers

[160] SYMPOSIUM ■ THE PISGAH CULTURE AND MISSISSIPPIAN ADAPTATION ON THE APPALACHIAN PERIPHERY

Room: East Meeting Room 8 (VCC)

Time: 8:00 AM–10:15 AM

Chair: Ashley Schubert

Participants:

- 8:00 Christopher Rodning and David Moore—South Appalachian Mississippian in the Appalachian Summit: The Pisgah and Qualla Phases in Western North Carolina
8:15 Gabrielle Purcell and Ashley Schubert—Archaeobotanical Analysis from the Cane River Site (31Yc91)
8:30 Thomas Whyte—Big Meat Feasting in the Pisgah Phase of Western North Carolina.
8:45 Ashley Schubert—Mississippianization in Late Pisgah Communities in the Appalachian Summit of North Carolina
9:00 Tasha Benyshek and Paul Webb—Mississippian Occupations at the Ravensford and Iotla Sites
9:15 Jane Eastman—Connestee and Pisgah Contexts in the Tuckaseegee Valley of Western North Carolina
9:30 Jay Franklin and S. D. Dean—Pisgah Archaeology in the Upper Reaches of the Tennessee Valley
9:45 Tyler Howe and Kathryn Sampeck—Principles of Cherokee Regionalization and Material Practices of the Pisgah Phase in the Trans-Appalachian Area
10:00 Charles Cobb—Discussant

[161] SYMPOSIUM ■ COMPLEXITY IN SUB-SAHARAN AFRICA: ARCHAEOLOGICAL AND ETHNOARCHAEOLOGICAL APPROACHES TO LANDSCAPE, CRAFT, AND TRADE IN THE PAST 3,000 YEARS*(Sponsored by Society of Africanist Archaeologists)***Room:** West Meeting Room 209 (VCC)**Time:** 8:00 AM–10:45 AM**Chair:** Diane Lyons**Participants:**

- 8:00 Louise Iles—The Spread of Iron Metallurgy: The African Continent
8:15 Peter Schmidt—Sacred and Magnificent, Degraded Landscapes: Crater Rims as Sacred Places and Transformed Spaces in Western Uganda
8:30 David Wright, Scott MacEachern and Stanley Ambrose—Evolution of Iron Age to Modern Landscapes in the Benoué River Valley, Cameroon
8:45 Ashley Couto and Judith Sealy—The Roots of Global Trade in the Southern African Iron Age
9:00 Neil Norman, Madeline Gunter, Bruce Larson and Hayden Bassett—Deep Histories from Shallow Sites: Archaeological Investigations of Later Sites in Eastern Djibouti
9:15 Alexander Antonites—Building a Network: Territorialization and Deterritorialization in Thirteenth-Century Northern South Africa
9:30 Ceri Ashley—Creating the “Imagined Community” of Mapungubwe
9:45 Stephen Dueppen and Daphne Gallagher—Remodel, Rebuild, or Abandon? Changing Uses of Space in an Early West African Village
10:00 Diane Lyons—Transferring Technological Styles: An Ethnoarchaeological Study of Marginalized Pottery Production in Tigray, Northern Highland Ethiopia
10:15 Joanna Casey—From the Field to the Festival: Reading the Landscape of Cloth in Axum, Ethiopia
10:30 Philip de Barros—Using Ethnoarchaeology to Interpret Archaeological Blacksmithing Sites in Togo, West Africa

[162] SYMPOSIUM ■ INTERDISCIPLINARY APPROACHES TO STUDYING HUMAN SOCIAL DYNAMICS: A CASE STUDY FROM SOUTHERN BELIZE**Room:** East Meeting Room 19 (VCC)**Time:** 8:00 AM–10:45 AM**Chairs:** Amy Thompson and Keith M. Prufer**Participants:**

- 8:00 Keith M. Prufer—The Development and Resilience of Complex Polity in the Southern Maya Lowlands: A Decade of Research at Uxbenká, Toledo, Belize
8:15 Clayton Meredith, Christopher Merriman, Jessica Thompson Jobe and Keith M. Prufer—Geomorphic and Isotopic Indicators of Anthropogenic Change from Holocene-Length Alluvial Deposits in the Rio Blanco Watershed
8:30 James Baldini, Keith M. Prufer, Yemane Asmerom, Franziska Lechleitner and Sebastian Breitenbach—Identifying the Drivers of Central American Rainfall Shifts: Implications for Past, Present, and Future Human Behavior
8:45 Valorie Aquino, Douglas J. Kennett, Yemane Asmerom and Keith M. Prufer—Comparison of a Community-Scale Classic Maya Political Adaptive Cycle with a Bimonthly-Resolved Paleoclimate Record from Uxbenká, Belize
9:00 Amy Thompson, Keith M. Prufer, Clayton Meredith and Jillian M. Jordan—Settlement Development and Social Landscapes at the Classic Period Maya Center Uxbenká
9:15 Willa Trask, Kristin Hoffmeister and J. Alex Canterbury—Life and Death in the Southeastern Maya Periphery: Bioarchaeological and Isotopic Analysis of the Uxbenká Burial Population

- 9:30 Jillian M. Jordan—Late Classic Ceramic Production and Communities of Practice at Uxbenká, Belize
9:45 Bruce Winterhalder, Luis Pacheco-Cobos, Carmen Cortez, Estrella Chevez and Chloe Atwater—The Effects in a Maya Community of School Enrollment on Young Adult Time Allocation to Activities Dependent on Traditional Ecological Knowledge
10:00 Rebecca Zarger and Kristina Baines—Perceptions of Changing Landscape Mosaics in Southern Belize
10:15 Douglas J. Kennett—Discussant
10:30 Questions and Answers

**[163] SYMPOSIUM ■ INVESTIGATING INTERACTION FROM TUNACUNNHEE TO TALAJE:
PAPERS IN HONOR OF RICHARD W. JEFFERIES**

Room: East Ballroom C (VCC)

Time: 8:00 AM–10:45 AM

Chair: Christopher Moore

Participants:

- 8:00 Christopher Moore—Interacting in Cramped Spaces: Material Culture and Identity at the Mission San Joseph de Sapala
8:15 Maureen Meyers—Shell Bead Production at a Southern Appalachian Mississippian Frontier
8:30 Richard Jefferies—Discussant
8:45 Brian Butler—Hopewellian Connections in the Midsouth: Tunacunnhee and Yearwood
9:00 Rachel Hensler—Native American Interaction during the Spanish Contact and Mission Period on the Central Coastal Plain of Georgia, USA, AD 1540–1700
9:15 Edward Henry, George Milner and Natalie Mueller—There and Back Again: Dick Jefferies, Winchester Farm, and Middle Woodland Interaction across Central Kentucky
9:30 Victor Thompson, Thomas Pluckhahn, Matt Colvin, Jacob Lulewicz and Brandon Ritchison—Plummets, Ritual Dance, Individuals, and Macroregional Interactions during the Woodland Period in Florida
9:45 Kary Stackelbeck—Exploring Different Facets of Early Hunter-Gatherer Interaction in Selected Ecotonal Boundary Areas of North and South America
10:00 Jay Johnson and John Connaway—Pochteca from Cahokia, an Evaluation of the Implications of Mississippian Period Contact between the American Bottoms and the Northern Yazoo Basin in Mississippi
10:15 Sissel Schroeder—Travels and Traverses, Pilgrimages and Passages: Alternative Concepts of Interaction
10:30 Keith Stephenson—Aspects of Carved Paddle Stamped Designs from the Middle Mississippi Period

**[164] SYMPOSIUM ■ ARCHAEMETALLURGY OF THE NEW WORLD: CURRENT RESEARCH,
APPROACHES, AND METHODS**

Room: West Meeting Room 208 (VCC)

Time: 8:00 AM–11:00 AM

Chair: Blanca Maldonado

Participants:

- 8:00 Joel W. Grossman and Timothy C. Kenna—Early Metallurgy from Waywaka in the South-Central Highlands of Andahuaylas, Apurimac, Peru: New AMS Dates and XRF Analysis
8:15 David Killick and Frances Hayashida—Lung-Powered Copper Smelting on the Pampa de Chaparri, Lambayeque Department, Peru

- 8:30 Branden Rizzuto—The Origins and Development of Arsenic Bronze Technologies on the North Coast of Peru: Preliminary Results from Archaeometric and Experimental Investigations
- 8:45 Alicia Boswell, Ellen Howe, Joanne Pillsbury and Deborah Schorsch—Variations in Mochica Metalwork
- 9:00 Colin Thomas—Imperial Authority and Local Agency: Investigating the Interplay of Disruptive Technology, Indirect Authority, and Changing Ritual Practice at Dos Cruces
- 9:15 Carol Schultze and Colleen Zori—Silver Production and Inka Expansion in the South-Central Andes
- 9:30 Mary Van Buren—The Environmental Effects of Indigenous Smelting in the Southern Andes: A Look at the Source
- 9:45 María Scattolin and Leticia Cortés—The Contribution of Northwestern Argentina to the Metallurgical Andean Tradition
- 10:00 Blanca Maldonado, José Luis Punzo, Thilo Rehren, Juan Julio Morales and Avto Gogichaishvili—Primary Copper Smelting in Mesoamerica: A Case Study from Central Michoacán
- 10:15 Michael Tarkanian and Elizabeth H. Paris—An Evaluation of Stingless Bee Wax as a Pattern Material in Mesoamerican Investment Casting
- 10:30 Izumi Shimada—Discussant
- 10:45 Niklas Schulze—Metallurgy in America: What Do We Know About Its Development and Diffusion?

[165] SYMPOSIUM ■ UPPER PALEOLITHIC TRANSITIONAL “MOMENTS” ON THE IBERIAN PENINSULA

Room: East Meeting Room 14 (VCC)

Time: 8:00 AM–11:00 AM

Chairs: Lisa Fontes and Emily Lena Jones

Participants:

- 8:00 Milena Carvalho—An Assessment of Small Game Exploitation at Gruta Nova da Columbeira in the Middle Paleolithic (Portugal)
- 8:15 Jonathan Haws, Michael Benedetti, Nuno Bicho, João Cascalheira and Lukas Friedl—The Middle-Upper Paleolithic Transition in Southern Iberia: New Dates from Lapa do Picareiro, Portugal
- 8:30 Brandon Zinsius and Jonathan Haws—Lapa do Picareiro and the Gravettian-Solutrean Transition: Refining the Chronology of the Solutrean Techno-Complex in Western Iberia
- 8:45 Ariane Burke, Colin D. Wren and Julien Riel-Salvatore—The Social Consequences of Climate-Driven Changes in the Spatial Distribution of Human Populations during the Last Glacial Maximum (LGM)
- 9:00 Marcel Bradtmöller, Gerd Christian Weniger, Andreas Maier, Isabell Schmidt and Maria José Iriarte-Chiapusso—The Repeated Replacement Model Reexamined: Methodological Considerations and Dataset Improvements
- 9:15 J. Emili Aura Tortosa—Walking Before Running: Late Paleolithic Regional Dynamics in the Spanish Mediterranean Region Previous to the “Last Big Transition” (17–10 ky cal BP)
- 9:30 Lisa Fontes—The Elusive Vasco-Cantabrian Middle Magdalenian: Reflections from Urtiaga Cave, Guipúzcoa, Spain
- 9:45 Aitor Ruiz-Redondo—Symbolic Behavior at the End of the Paleolithic: A View from Cantabrian Region Rock Art
- 10:00 Jennifer Jones, Ana B. Marín Arroyo and Michael P. Richards—Bioarchaeological Approaches to Reconstructing Upper Paleolithic Environments in the Cantabrian Region, Northern Spain

- 10:15 Javier Fernandez-Lopez de Pablo, Mario Gutiérrez-Roig, Magdalena Gómez-Puche and Sergi Lozano—Late Glacial to Middle Holocene Demographic Dynamics in Iberia: A Chronological Modeling Approach
10:30 Telmo Pereira and António Faustino Carvalho—The End of an Era: The Final Moments of the Pleistocene-like Hunter-Gatherer Lifeway in the Westernmost Eurasian Site of Pena d'Água (Portugal)
10:45 Nicholas Conard—Discussant

[166] SYMPOSIUM ■ CONNECTIVITIES IN PREHISTORIC AND CLASSICAL WEST/CENTRAL MEDITERRANEAN

Room: East Meeting Room 13 (VCC)

Time: 8:00 AM–11:00 AM

Chairs: Linda Gosner and Jeremy Hayne

Participants:

- 8:00 Anthony Russell—Globalization in the Bronze Age? In Search of a Metaphor of Connectivity in the Central Mediterranean
8:15 Jeremy Hayne—The Missing Link? Sardinia, Corsica, and Italy and Their Connections in the Late Bronze and Early Iron Age
8:30 Lela Urquhart—Measuring the Impact of Ancient Colonization in Central-West Sicily
8:45 Jessica Nowlin—An Inland Response to “Orientalization”: Funerary Ritual and Local Practice in Central Italy
9:00 Jacob Deppen—Connected through Things: Connectivity in Iron Age Mallorca
9:15 Catalina Mas Florit and Miguel Ángel Cau Ontiveros—Inland Connectivity in Late Antique Mallorca (Balearic Islands, Spain)
9:30 Beatriz Marin-Aguilera—Interweaving Colonial and Local Networks: Textile Production in Early Iron Age Iberia
9:45 Linda Gosner—Mining, Migration, and Movement in Roman Iberia
10:00 Catherine Steidl—The Business of “Becoming”: Community Formation and Greek Colonization in the Northwestern Mediterranean
10:15 Questions and Answers
10:30 Miguel Ángel Cau Ontiveros—Discussant
10:45 Peter Van Dommelen—Discussant

[167] SYMPOSIUM ■ ARCHAEOLOGY OF INDIA

Room: East Meeting Room 16 (VCC)

Time: 8:00 AM–11:15 AM

Chair: Neha Gupta

Participants:

- 8:00 Supriya Varma—Unsettling a Region: Archaeological Landscapes and Seascapes of Saurashtra, Western India
8:15 Nazim Jafri—Cultural Change in Funerary Practices from Harappan to Post-Harappan Phases in Proto-Historic India
8:30 Jaya Menon—The Materiality of Domestic Space: Indor Khera, North India, 200 BCE–500 CE
8:45 Teresa Raczek—Micro-Regions and Materiality: Artifact Analysis at Panchmata, India
9:00 Meenakshi Vashisth—A Study of the Archaeological Landscape of Bairat, Jaipur District, Rajasthan
9:15 Mannat Johal—“The South” as Object of Knowledge between Archaeology and History
9:30 Julie Hanlon—Carving a Space for Jainism: Jain Rock-Cut Caves in Early Historic to Medieval Tamil Nadu, South India

- 9:45 Kelly Wilcox Black—Zooarchaeology and the Study of Human-Animal Relationships in Pre- and Early Historic South India
10:00 Peter Johansen and Andrew Bauer—Settlement, Socio-environmental Practice, and the Long Durée of Landscape Production in South India: A Regional View from Maski, Raichur District, Karnataka
10:15 Rajesh Vasantha, Abhayan G.S., Akinori Uesugi, Ajit Kumar and Neha Gupta—Current State of Megalithic Research in Kerala, India
10:30 Neha Gupta, Rajesh SV and Abhayan G.S.—Fishers and Farmers in Northern Kerala: Preliminary Results from the Northern Kerala Archaeological Project (NorKAP)
10:45 Carla Sinopoli—Discussant
11:00 Questions and Answers

[168] SYMPOSIUM ■ GLOBAL PERSPECTIVES ON THE ARCHAEOLOGY OF RITUALLY MOUNDED LANDSCAPES

Room: East Meeting Room 18 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: James Flexner, Catherine Frieman and Ian McNiven

Participants:

- 8:00 James Flexner—400 Years of History and Cross-Cultural Interactions in a Ritually Mounded Landscape of South Tanna, Vanuatu
8:15 Lynn Gamble—Ceremonial Practices, Feasts, and Persistent Places: A Ritually Mounded Landscape Constructed by Hunter-Gatherers in Southern California
8:30 Seth Quintus and Jeffrey Clark—Toward a Further Understanding of Samoan Star Mounds: Considering the Intersection of Ecology, Politics, and Ritual in Ancient Samoa
8:45 Andreja Malovoz—Changing Social Spatiality in Mounded Funerary Landscapes
9:00 Catherine Frieman and James Lewis—Barrow Roads and Bronze Age Wayfaring
9:15 Questions and Answers
9:30 Patrick Faulkner and Peter Hiscock—Ritual and/or Transformation: The Anadara Granosa-Dominated Shell Mounds of the Australian Tropics
9:45 Phil Stastney—Heaps of Time: Methodological Considerations for Dating Earthen Mound Construction
10:00 Tsim Schneider—The Ritual of Return: Mounded Landscapes in Colonial California
10:15 Elaine Jamieson—Wizards, Dragons, and Giants: Creating Motte Castles in an English Landscape
10:30 Kelly Ervin—Recognizing Ritual in the Elaboration of Earthwork Construction at Jaketown
10:45 Catriona Gibson—Raising the Ground, Building a Mound: Bronze Age “Barrowscapes” in Southern Britain
11:00 Jim Leary—Discussant

[169] SYMPOSIUM ■ CONNECTING MIDDLE PALEOLITHIC DATASETS: THE INTERPLAY OF ZOOARCHAEOLOGICAL AND LITHIC DATA FOR UNRAVELING NEANDERTHAL BEHAVIOR

Room: West Meeting Room 210 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Karen Ruebens, Geoff M. Smith and Teresa Steele

Participants:

- 8:00 Karen Ruebens—Discussant
8:15 Erella Hovers and Anna Belfer-Cohen—Are Lithics and Fauna a Match Made in Prehistoric Heaven?

- 8:30 Charles P. Egeland, Christopher Nicholson, Kevin Covell, Robert Sanderford and Kristen Welch—Cutmark Orientation and the Identification of Skill in Experimental and Middle Paleolithic Contexts
- 8:45 Geoff M. Smith, Elisabeth Noack, Nina Maria Schlosser, Sabine Gaudzinski-Windheuser and Radu Iovita—When Lithics Hit Bones: Evaluating the Potential of a Multifaceted Experimental Protocol to Illuminate Middle Paleolithic Weapon Technology
- 9:00 Cristina Real Margalef, Aleix Eixea, Alfred Sanchis, João Zilhão and Valentín Villaverde—Unraveling a Neanderthal Palimpsest from a Zooarchaeological and Lithic Perspective: Abrigo de la Quebrada Level IV (Valencia, Spain)
- 9:15 Britt Starkovich, Paraskevi Elefanti and Eleni Panagopoulou—Spatial Differences in Site Use at the Middle Paleolithic Site of Lakonis (Peloponnese, Greece)
- 9:30 Questions and Answers
- 9:45 Teresa Steele, Naomi L. Martisius, Tamara Dogandžić, Michel Lenoir and Shannon P. McPherron—Integrating Faunal and Lithic Data to Examine Neanderthal Subsistence at the Late Mousterian Site of Abri Peyrony, France
- 10:00 Marco Peresani, Davide Delpiano, Kristen Heasley, Nicola Nannini and Matteo Romandini—Toolkits, Subsistence, and Land-Use Patterns: The Neanderthal Ecology Revisited across a Dense Cultural Sequence in the Alpine Chain
- 10:15 Susan Lagle—Integrating Faunal and Lithic Evidence from Quina Mousterian Contexts in Southwestern France to Investigate Neanderthal Subsistence Strategies and Mobility
- 10:30 William Rendu, Morgan Roussel, Sylvain Renou, Marie Cecile Soulier and Marie Soressi—Les Cottés Sequence: A New Lens for Investigating the Cultural Changes Occurring during the Middle to the Upper Paleolithic Transition
- 10:45 Geoff M. Smith—Discussant
- 11:00 Teresa Steele—Discussant

[170] SYMPOSIUM ■ AD 600 CULTURAL AND ENVIRONMENTAL TRANSFORMATION IN ANCIENT PERU**Room:** East Meeting Room 12 (VCC)**Time:** 8:00 AM–11:15 AM**Chairs:** Ana Mauricio and Francesca Fernandini**Participants:**

- 8:00 Daniel H. Sandweiss—Discussant
- 8:15 Luis Castillo Butters—Discussant
- 8:30 Santiago Uceda, Henry Gayoso, Feren Castillo, Enrique Zavaleta and Carlos Rengifo—Los Cambios Climáticos y Sociales una Ecuación Positiva: Los Datos en el Complejo Arqueológico de Huacas del Sol y de la Luna
- 8:45 Shinya Watanabe—Sociocultural Changes in Cajamarca Region during the Early Intermediate Period and the Middle Horizon
- 9:00 Ana Mauricio—Reevaluating the End of the Early Intermediate Period on the Peruvian Coast from the Perspective of the Lima Culture
- 9:15 Francesca Fernandini—Cerro de Oro and the Year AD 600: Changing Settlement Patterns in the Lower Cañete Valley
- 9:30 Stefanie Bautista, Justin Jennings and Willy Yépez Álvarez—Untangling Wari Colonization, Trade, and Administration in Coastal Arequipa from the Site of Quilcapampa, Siguas Valley
- 9:45 Sarah Kerhusky—INAA of Loro Ceramics from Zorropata, a Middle Horizon Las Trancas Habitation Site in Nasca, Peru
- 10:00 David Reid, Patrick Ryan Williams and Donna Nash—The Role of Infrastructure in Wari State-Making in Southern Peru

- 10:15 Roberto Pimentel Nita, Krzysztof Makowski and Milosz Giersz—Middle Horizon “Local” and “Exotic” Styles in Castillo de Huarmey and Pachacamac: Menzel’s Ideas Revised
- 10:30 Rafael Segura Llanos—Dinámicas Medioambientales, Infraestructura de Almacenamiento y Paisaje Agrario en Cajamarquilla (Siglos VII–IX dC)
- 10:45 Giancarlo Marcone—The Rise and Fall of the Bi-Headed Serpent: How Much of Late Lima Cultural Development Could Be Explained by An ENSO?
- 11:00 Paul Goldstein—Discussant

[171] SYMPOSIUM ■ AN HISTORICAL ECOLOGICAL APPROACH TO THE INVESTIGATION OF EARLY SOCIAL COMPLEXITY IN THE HORN OF AFRICA: FIRST STEPS

(Sponsored by *Eastern Tigrai Archaeological Project*)

Room: West Meeting Room 207 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Elizabeth Peterson and A. Catherine D’Andrea

Participants:

- 8:00 A. Catherine D’Andrea and Valery Terwilliger—Historical Ecology: An Approach to the Investigation of Ancient Human-Environmental Interactions in the Horn of Africa
- 8:15 Valery Terwilliger, Marilyn Fogel, Paul Adderley, Zewdu Eshetu and A. Catherine D’Andrea—Learning from Scratch What the Environments Were Like as the Complexities of Societies Changed in Eastern Tigrai
- 8:30 Paul Adderley, Mitchell Power and Valery Terwilliger—Geoarchaeological Assessment of Long-Term Site- and Field-Management Characteristics at the Pre-Aksumite Site of Mezber, Tigrai Plateau
- 8:45 Zewdu Eshetu, Tsige Gebru Kassa, Valery Terwilliger, Mitchell Power and A. Catherine D’Andrea—Burning Forests of the Past in Eastern Tigrai
- 9:00 Zoe Walder-Hoge—An Ethnoarchaeological Approach to Traditional Farmer Knowledge and Fire Ecology in Eastern Tigrai, Northern Ethiopia
- 9:15 Lynn Welton—The Pre-Aksumite Period in Eastern Tigrai: The Chronology and Stratigraphy of the Site of Mezber
- 9:30 Helina Woldekiros—Early Farming Communities in East Africa and the Horn: New Zooarchaeological Evidence from Mezber, Northern Ethiopia
- 9:45 Alemsegid Beldados and A. Catherine D’Andrea—Agricultural History of the Horn of Africa: New Archaeobotanical Evidence from Mezber
- 10:00 Steven Brandt, Lucas Martindale Johnson and Abebe Taffere—Temporal and Spatial Variability in Pre-Aksumite Lithics from Mezber, Northeast Ethiopia: Social and Economic Implications
- 10:15 Elizabeth Peterson—Development of Craft Specialization during the Pre-Aksumite Period in Eastern Tigrai, Ethiopia: Insights from Modern Hide-Workers
- 10:30 Laurie Nixon-Darcus—The Daily Grind: Trends in Grinding Stone Use in Eastern Tigrai from 1600 BCE to Modern Times
- 10:45 Habtamu Mekonnen—The Pre-Aksumite to Aksumite Transition in Eastern Tigrai: Ceramic Evidence from Ona Adi
- 11:00 Michael Harrower and Joseph C. Mazzariello—Towns and Villages of an African Empire: Eastern Tigrai Archaeological Project (ETAP) Archaeological Survey 2005–2008

[172] SYMPOSIUM ■ ARCHAEOLOGIES OF HEART: EXPLORING THE ROLE OF EMOTION AND SPIRIT IN ARCHAEOLOGICAL RESEARCH AND PRACTICE

Room: East Meeting Room 15 (VCC)

Time: 8:00 AM–11:45 AM

Chairs: Natasha Lyons, Sonya Atalay and Kisha Supernant

Participants:

- 8:00 Kisha Supernant and Natasha Lyons—What Makes Us Beat? Toward a Heart-Centered Practice in Archaeological Research
8:15 E. Anderson and Chelsey Geralda Armstrong—Archaeologies of the Heart
8:30 Margaret Conkey—Field Walking and Walking the Field
8:45 Fanya Becks—Archaeology as Meditative Practice
9:00 Questions and Answers
9:15 Stephen Silliman—Taking Archaeology to Heart: Reflections on Passions and Politics
9:30 Jane Baxter—Emotional Practice and Perspectives on Emotion in the Archaeology of Childhood
9:45 Tanja Hoffmann—“We ask only that you come to us with an open heart and an open mind”: The Transformative Power of an Archaeology of Heart
10:00 Sarah Surface-Evans—“I Could Feel Your Heart”: The Transformative and Collaborative Power of Heartfelt Thinking in Archaeology
10:15 Callum Abbott—Lithics and Learning: Toward a Heart-Centered Lithic Analysis
10:30 Lisa Hodgetts and Laura Kelvin—at the Heart of the Ikaahuk Archaeology Project
10:45 Leslie Van Gelder—Who Holds Your Light? Revealing Relationships through a Forensic Approach to Upper Paleolithic Cave Art
11:00 John Welch—Open Eyes, Open Minds, Open Arms, and Open Hearts Open Archaeology
11:15 Ruth Tringham—Closely Observed Layers: Small Stories and the Heart
11:30 Sonya Atalay—Discussant

[173] SYMPOSIUM ■ THE SCIENCE OF ORGANIC RESIDUE ANALYSIS AND THE ART OF CULTURAL INTERPRETATION I

(Sponsored by Society for Archaeological Science and PaleoResearch Institute)

Room: East Meeting Room 1 (VCC)

Time: 8:00 AM–11:30 AM

Chair: Ann Laffey

Participants:

- 8:00 Ramiro Javier March—Finding, Analyzing, and Interpreting Organic Matter in Archaeology: A Complex Subject
8:15 Joseph Schuldenrein—Organic Residues in Archaeological Context: A Historic Overview
8:30 Maxime Rageot, Angela Mötsch, Birgit Schorer, Cynthianne Debono Spiteri and Philipp Stockhammer—New Insights into Early Celtic Cooking and Drinking Practices: Organic Residue Analyses of Local and Imported Pottery
8:45 Zuzana Chovanec—The Scientific Investigation and Cultural Implications for the Use of Prestigious Substances in the Ancient Mediterranean
9:00 Ann Laffey—Big Plans for Small Pots: Development of an Organic Residue Analysis Protocol for Ancient Wari Miniature Wares
9:15 Jessica Devio—Interpreting Maya Economic Activity Using Paleoethnobotany
9:30 Laura Short—Further Studies in Raman Spectroscopy of Fire-Cracked Rock
9:45 Stephen Carmody, Ryan Hunt, Jera Davis, Natalie Prodanovich and Jon Russ—Inhaling Prehistory: Exploring the Smoking Culture of the Eastern Woodlands

- 10:00 Adam King, Terry Powis, Kong Cheong and Nilesh Gaikwad—Absorbed Residue Evidence of Datura Use in Mississippian Contexts
- 10:15 Eleanora Reber, Mark Rees and Samuel Huey—Cautious versus Interesting: Cultural Interpretation of Absorbed Organic Pottery Residues
- 10:30 Tammy Buonasera, Shelby Anderson, Shannon Tushingham and Andrew H. Tremayne—Animal Fats and Ancient Pyro Technologies in the North American Arctic: Contextualized Analysis of Lipids in Archaeological Sediments, Combustion Features, and Ceramics
- 10:45 Michelle Langley, Sue O'Connor and Jane Balme—Organic Artifacts and Organic Residues in Island Southeast Asia and Australia: Seeking Intangible Behaviors in the Deep Past
- 11:00 Michelle Eusebio—Discussant
- 11:15 Questions and Answers

[174] SYMPOSIUM ■ THE USE OF PLANTS IN ANCIENT RITUALS: NEW PERSPECTIVES FROM PALEOETHNOBOTANY

Room: East Meeting Room 11 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Michelle Elliott and Lydie Dussol

Participants:

- 8:00 Amber VanDerwarker—Analytical Approaches for Identifying Ritual Contexts
- 8:15 Linda Scott Cummings, R. A. Varney and Peter Kovacik—Ritual Smoking: Evidence from Archaeological Smoking Pipes
- 8:30 Natalie Mueller—The Role of Ritual in Early Food Producing Economies: Seed Keepers and Seed Exchange in Ethnography and in the Archaeological Record of Eastern North America
- 8:45 Aurora Montúfar López—Rain Petition Rituals and Offerings in Mesoamerica: Archaeological and Ethnographic Research
- 9:00 Laura Ortíz, Julia Perez, Ximena Chávez and Emilio Ibarra—The Meaning of Plants around Death: The Case of Offering 149
- 9:15 Michelle Elliott, Grégory Pereira and Mélaine Stevanato—Flames, Ash, and Charcoal: Paleoethnobotanical Approaches to Understanding the Role of Fire in Postclassic Tarascan Ritual Practices
- 9:30 Clarissa Cagnato, Olivia Navarro-Farr, Griselda Pérez Robles, Juan Carlos Pérez Calderón and Damaris Menéndez—Feeding the Mountain: Plant Remains from Ritual Contexts on and around Structure M13–1 at El Perú–Waka'
- 9:45 Lydie Dussol—Ritual Fires and Ancient Maya Termination Deposits at Naachtun (Guatemala): An Archaeobotanical Perspective
- 10:00 Hemmamuthé Goudiaby and Lydie Dussol—Ashes to Ashes, Dust to Dust: The Role of Wood in Ancient Maya Funerary Sequences
- 10:15 Katherine Chiou and Luis Jaime Castillo—Performing the Moche Feast: Plants, Ritual Practice, and Spectacle in the North Coast of Peru
- 10:30 Giacomo Gaggio and Paul Goldstein—Ceremonial and Psychotropic Plants of the Tiwanaku (AD 500–1000): New Evidence for *Erythroxylum coca* and *Anadenanthera colubrina* from the Omo Temple in Moquegua, Peru
- 10:45 Sonia Archila Montanez, Mónica Berón, Gabriela Musaubach, Martha Mejía and Eliana Lucero—Ancient Woods Used in a Ritual Context at Chenque I Cemetery (Pampas Region, Argentina)
- 11:00 Mark Robinson—Integrating Archaeobotany to Provide Insight into Domestic and Public Ritual in Southern Brazil
- 11:15 Rita Scheel-Ybert—Fire and Feasting: The Role of Plants in Brazilian Shell Mounds Funerary Rituals

- 11:30 Christopher Morehart—Discussant
11:45 Emily McClung de Tapia—Discussant

[175] SYMPOSIUM ■ METHODOLOGY AND INTERPRETATION IN THE ARCHAEOLOGY OF ROCK ART

(Sponsored by Rock Art Interest Group)

Room: East Exhibit Hall A (VCC)

Time: 8:00 AM–12:00 PM

Chair: Lenville Stelle

Participants:

- 8:00 Michele Hayward, Frank Schieppati and Michael Cinquino—Lesser Antillean Windward Island Rock Art and Prehistoric Cultural Systems
8:15 Patrick Wilkinson—The Rock Art of Haitian Vodou
8:30 Mary Brown—Rock Art as Ritual Communicator: A Theoretical Evaluation
8:45 James Keyser—Cheval Bonnet: A Crow Calling Card in Blackfeet Country
9:00 Lawrence Loendorf—Tobacco-Related Imagery in Montana and Wyoming
9:15 Thomas Huffman and Frank Earley—Apishapa Rock Art and Soul Capture
9:30 Alex Ruuska—Memory and Materiality in Rock Art and Ghost Dance
Performances
9:45 Julio Amador—Landscape, Settlement Patterns, and Rain and Fertility Symbolism in Rock Art: A Comparative Analysis between Chalcatzingo and Cerros de Trincheras in Mexico
10:00 Johannes Loubser—Recording and Interpreting Mississippian Rock Imagery at Painted Bluff, Alabama
10:15 Sandra Olsen—Advanced Imaging of Saudi Arabian Petroglyphs: How Science Informs Art
10:30 Mark Wagner and Kayeleigh Sharp—Portable X-ray Fluorescence (pXRF) and Photogrammetric Studies in Illinois Rock Art Research
10:45 Genevieve von Petzinger—The Shaman in the Cave? Testing for Entoptic Imagery in Upper Paleolithic Geometric Rock Art
11:00 Amy Chase, Genevieve von Petzinger and Oscar Moro Abadia—Neanderthal Artists? Exploring Misconceptions about Neanderthal Symbolic Capacities through Rock Art Studies
11:15 Meg Berry—It's All a Bit Retro: Investigating Early Phase Rock Art on the Dampier Archipelago, Northwest Australia
11:30 Chris Arnett—Method and Theory in the Archaeology of Interior Salish Rock Art Sites on the British Columbia Plateau
11:45 François Gagnon and Dagmara Zawadzka—Places, Paths and Territories: Exploring the Multifunctional Nature of Northeastern Ontario Rock Art

[176] SYMPOSIUM ■ TSIMSHIAN ARCHAEOLOGY: 50 YEARS OF RESEARCH AND 10,000 YEARS OF HISTORY

Room: West Meeting Room 205 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Andrew Martindale, Bryn Letham and Ripan Malhi

Participants:

- 8:00 Charles Menzies—Reimagining the Colonial Encounter through Gitxaala Eyes
8:15 George MacDonald—The North Coast Prehistory Project of the National Museum of Canada
8:30 Katherine Patton and Trevor Orchard—The Use and Cultural Importance of Eulachon (*Thaleichthys pacificus*) on the NWC: An Example from Prince Rupert Harbour

- 8:45 Gary Coupland—A History of Household Archaeology at Prince Rupert Harbour
9:00 Morley Eldridge—Tsimshian Households and Trade: The View from Casey Point
9:15 Amanda Marshall and Stephanie Huddlestan—The Kleanza Approach: The Challenges of Working in Tsimshian Territory from a Cultural Resource Management (CRM) Perspective
9:30 Brenda Guernsey and Chelsey Geralda Armstrong—“We lived there for the food”: Archaeologies of Dalk Gylakyaw, Home of the Gitsm’geelm (Kitsumkalum) Tsimshian
9:45 Nyra Chalmer, Spencer Greening, Chris Picard, Ginevra Tonello and Dana Lepofsky—The Gitga’at–Simon Fraser University (GSAHP) Archaeology and Heritage Project: Developing Community-Based Heritage Management Strategies in Gitga’ata Territory
10:00 Susan Marsden and Andrew Martindale—The Challenges and Benefits of Comparing Archaeological and Oral Records
10:15 Kenneth M. Ames and Andrew Martindale—An Archaeological Test of a Settlement Pattern Shift Recorded in Tsimshian Oral Records
10:30 Thomas Brown, Kevan Edinborough, Andrew Martindale and Kenneth M. Ames—A Radiocarbon Test for Significant Demographic Events in Written and Oral History
10:45 Bryn Letham, Andrew Martindale, Kisha Supernant and Kenneth M. Ames—A Tale of Two Villages: Exploring the Role of Villages with Massive Shell Accumulations as Anthropogenic Coastline Modifications in Prince Rupert Harbour
11:00 David Archer and Christine Mueller—Archaeological Investigations on the Lucy Islands, Near Prince Rupert, British Columbia, from 2010 to 2013: New Evidence Relating to the Development of North Coast Culture
11:15 Ripan Malhi, Jerome Cybulski, John Lindo, Michael DeGiorgio and Joycelynn Mitchell—Eight Years of Partnership with Coast Tsimshian First Nations on Genomic Research
11:30 Alyssa Bader, Julie M. Allen and Ripan Malhi—Metagenomic Analysis of Precontact Diet Using Ancient Dental Calculus from Prince Rupert Harbour, British Columbia
11:45 Barbara Petzelt—The Metlakatla First Nation and Archaeology: An Indigenous Community’s Views in the Course of 50 Years of Archaeological and Related Research in the Prince Rupert Harbour Region

[177] SYMPOSIUM ■ SEEDS OF THE PAST, SEEDS OF THE FUTURE: PAPERS IN HONOR OF STEVEN A. WEBER

Room: East Ballroom B (VCC)

Time: 8:00 AM–12:00 PM

Chair: Jade d’Alpoim Guedes

Participants:

- 8:00 Steven Emslie—Steven A. Weber and the Birth of the Society of Ethnobiology
8:15 Christine A. Hastorf—Presentation of the Past; Interaction and Storytelling; How We Grow through Dialogue
8:30 Rita Wright—From Rojdi to Harappa and Beyond: Regional Variation in the Indus Civilization
8:45 Nathaniel James—Revisiting Harappa. A Reevaluation of Macrobotanical Evidence
9:00 Jonathan Kenoyer—Plant-Based Textiles and Basketry at Harappa, Pakistan (3700–1900 BCE)
9:15 Marco Madella—The Archaeobotany of Plant Microfossils in South Asia: History and Perspectives
9:30 Richard Meadow—Archaeofauna and Archaeobotany Studies in Northwestern South Asia: Past, Present, and Future

- 9:45 Sydney Hanson and Jade d'Alpoim Guedes—Millets and Rice on the Move: Adaptive Strategies in the Past and Future
10:00 Cristina Castillo—Cereals in Southeast Asian Prehistory
10:15 Dorian Q. Fuller and Chris Stevens—Low-Intensity Cultivation and Domestication: Pathways to Millet Domestication in India and China
10:30 Fabian Toro, Chantel White and Joyce White—Developing a Legacy Collection of Traditional Rice Cultivation: Implications for Archaeobotanical Study
10:45 Molly Carney—Gene-Culture Coevolution, Pit Hearth Cooking, and the Diabetes Epidemic among North American Indigenous Populations
11:00 Mario Zimmermann—Maya Peasantry: Crop Diversity Past and Present
11:15 Cedric Habiyaremye, Jade d'Alpoim Guedes and Kevin Murphy—Ancient Crops, Modern Possibilities: A Study on the Potential for Millet Agriculture in the United States
11:30 Leo Aoi Hosoya—Discussant
11:45 Questions and Answers

[178] SYMPOSIUM ■ UNRAVELING SOCIAL DYNAMICS THROUGH ARCHAEOLOGICAL SCIENCE

Room: West Meeting Room 206 (VCC)

Time: 8:00 AM–12:00 PM

Chair: Christian Gates St-Pierre

Participants:

- 8:00 Brad Loewen, Christian Bélanger, Marie-Claude Brien, Charles Dagneau and Alex Lefrançois-Leduc—A Social Perspective on Wood Remains: Rural Colonization and Urban Growth in the Saint Lawrence Valley, 1600–1900 AD
8:15 María José Culquichicón-Venegas and Alekxa Alaica—Social Dynamics of the Past through the Body of the Camelid: Utilizing Evidence from Late Moche Peru
8:30 Réginald Auger, Adelphine Bonneau, Zocha Houle-Wierzbicki and Geneviève Treyvaud—Determination of Burial Locations Using Soil Analyses at the Loyola Plantation in French Guiana, 1668–1763
8:45 Sandra Lopez Varela—Technologies and the State: Analyzing the Impact of Economic Growth through Archaeological Science
9:00 Gregory Braun—Ceramic Technologies and Technologies of Remembrance: An Iroquoian Case Study
9:15 Christian Gates St-Pierre—Needles and Bodies: A Microwear Analysis of Experimental Bone Tattooing Implements
9:30 Andrea Dolfini—Science and Archaeology: An Object-Centred Perspective
9:45 Richard Yerkes, Attila Gyucha and William Parkinson—Social Dynamics and Archaeological Sciences at Neolithic Tells: Investigations on the Great Hungarian Plain by the Körös Regional Archaeological Project
10:00 Robert H. Tykot, Kyle Freund and Andrea Vianello—The Social Dynamics of Obsidian Use in the Prehistoric Western Mediterranean: Temporal Changes in Maritime Capabilities, Lithic Technology, and Sociopolitical Complexity
10:15 Heather Miller—Invisible Value: Steatite in the Faience Complexes of the Indus Valley Tradition
10:30 Amelie Guindon—Bonding Pots: Ceramics from the Midi Toulousain (Southwest France) and Their Transatlantic Journeys to New France (Seventeenth–Eighteenth Centuries)
10:45 Adelphine Bonneau, Réginald Auger, Bernard Gratuze and Jean-François Moreau—Trading around the Saguenay River (Sixteenth and Seventeenth Centuries): New Insights from Trade Glass Beads Typology and Chemical Analysis

- 11:00 Robert Hasenstab—The Use of Geographic Information Systems in the Analysis of Prehistoric Social Dynamics
11:15 Mark Golitko—How Social Are Archaeological Social Network Analyses?
11:30 Maxime Aubert—The Origin of Human Creativity
11:45 Rosemary Joyce—Discussant

[179] SYMPOSIUM ■ QUINTESSENTIAL PLACES: ANALYZING THE CHARACTER OF PRECOLUMBIAN SITES

Room: West Meeting Room 204 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Jillian Mollenhauer and Cynthia Kristan-Graham

Participants:

- 8:00 Cynthia Kristan-Graham—Discussant
8:15 Edward Swenson—Quintessentializing the Power of Place in the Ancient Andes
8:30 Natalia Donner, Alejandro Arteaga Saucedo, Kaz van Dijk and Alexander Geurds—What Do We Talk about When We Talk about Precolonial Sites in Chontales, Central Nicaragua?
8:45 Timothy Pugh—The Streets of Nixtun-Ch'ich', Guatemala
9:00 David Freidel and Olivia Navarro-Farr—Quintessential Queen of Kaanul: K'abel of Waka' in the Age of Empire
9:15 Beniamino Volta and Nikolai Grube—Classic Maya Politics and the Spirit of Place: Controlling Architectural Discourse at Uxul, Campeche, Mexico
9:30 Eric Heller and Anastasia Kotsoglou—Desperate Times, Distinctive Places: Human Landscape Interaction at Tzak Naab, Belize
9:45 Yuko Shiratori and Timothy Pugh—Exemplary Centers as Quintessential Places: Migrants and Architectural Quotations in Late Postclassic Petén, Guatemala
10:00 Leslie Perkins and Travis Stanton—Tan Tun: The Enduring Role of Cozumel in the Maya World
10:15 Jillian Mollenhauer—Identifying the Quintessence of Olmec Centers in Formative Olman
10:30 Matthew Robb—The Daily Experience of Space in Teotihuacán
10:45 Andrew D. Turner and Rex Koontz—The Late Classic Ballgame and Cross-Cultural Interaction at Xochicalco, El Tajín, and Copán
11:00 John Lopez—Tenochtitlan: A Cultural History of Water
11:15 Christopher Beekman and Verenice Y. Heredia Espinoza—In the Land of the Blind, the One-Eyed Man Is King: Los Guachimontones, Jalisco
11:30 Jessica Christie—Navajo Landscape Construction at Canyon de Chelly: A Quintessential Place
11:45 Susan Milbrath—Discussant

[180] SYMPOSIUM ■ SAILING AT THE EDGE OF TIME: GLOBAL PERSPECTIVES ON ISLAND COLONIZATION

(Sponsored by *Journal of Island and Coastal Archaeology*)

Room: West Meeting Room 202 (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Matthew Napolitano, Robert J. DiNapoli and Jessica Stone

Participants:

- 8:00 Cyprian Broodbank—Is Mediterranean Island Colonization Still Interesting?
8:15 Neil Duncan, Peter E. Siegel, John G. Jones, Nicholas Dunning and Deborah M. Pearsall—Causes and Consequences of Colonization in the Caribbean: What Is Known and What Is Unknowable
8:30 Ethan Cochrane—Selection-Driven Range Expansion Explains Lapita Colonization of Remote Oceania

- 8:45 Alexander Smith and Thomas Leppard—The Paleoenvironmental Impacts of Neolithic Colonization: Assessing Recent Palynological Data from the Mediterranean Islands
- 9:00 Richard Callaghan—The Strategic Location of the Maldives in Indian Ocean Maritime Trade and Colonization
- 9:15 Matthew Napolitano, Scott M. Fitzpatrick, Geoffrey Clark and Jessica Stone—Colonization of the Land of Stone Money: Resolving the Unclear Origins of Early Settlements of Yap, Western Caroline Islands
- 9:30 Amy Gusick, Jillian Maloney, Todd Braje and Jon Erlandson—Above and Below the Waves: Advances in the Search for a Late Pleistocene Colonization of California's Islands
- 9:45 Robert J. DiNapoli, Matthew Napolitano, Jessica Stone, Brian Lane and Damion Sailors—Reevaluating the Precolumbian Colonization of the Caribbean Using Chronometric Hygiene and Bayesian Modeling
- 10:00 Alex Morrison and Melinda Allen—Examining the Causes of Migration into East Polynesia: A Bayesian Chronology Perspective on the Ideal-Free Distribution Model
- 10:15 David Burley—Small Island Adaptations in the Initial Colonization of Fiji and Tonga
- 10:30 Timothy Rieth and Derek Hamilton—Quantifying the Number of 14C Determinations Required to Improve Dating Accuracy for Lapita Deposits
- 10:45 Curtis Runnels—Pleistocene Occupation of the Greek Islands: The Perspective from Crete
- 11:00 Hiroto Takamiya—The Colonization of the Southern Ryukyu Islands, Japan
- 11:15 Sue O'Connor, Julien Louys, Stuart Hawkins, Shimona Kealy and Clara Boulanger—Gone Fishing: Evidence for Wide-Ranging Marine Exploitation in the Initial Settlement of Island Southeast Asia
- 11:30 Rintaro Ono, Harry Oktavianus Sofian, Adhi Agus Oktaviana, Sri Wigati and Nasullah Aziz—Development of Maritime Networks and Human Migration in Wallacea and Oceania during Neolithic to Early Metal Ages
- 11:45 Jon Erlandson—Discussant

[181] GENERAL SESSION ■ RECENT ZOOARCHAEOLOGICAL RESEARCH I

Room: East Meeting Room 3 (VCC)

Time: 8:00 AM–11:45 AM

Chair: Erik R. Otárola-Castillo

Participants:

- 8:00 Andrew Owens, David Byers and Molly Boeka-Cannon—Aging Mandibular Bison Teeth with ArcGIS
- 8:15 Gligor Dakovic, Bonnie A. B. Blackwell, Dušan Mihailovic, Mirjana Roksandić and Anne R. Skinner—ESR Dating Ungulate Tooth Enamel from the Mousterian Layers at Pešturića, Serbia
- 8:30 Giada Ferrari, Mathieu F. Robin, Claudia Vigano, Michael G. Campana and Christine Grossen—Reconstruction of Genetic Diversity prior to Recolonization of Nearly Extinct Alpine Ibex (*Capra ibex*) Using Ancient DNA
- 8:45 Karen Greig, Elizabeth Matisoo-Smith and Richard Walter—Tracking Dogs across the Pacific Using Ancient Mitogenomes
- 9:00 Amira F. Ainis, René L. Vellanoweth, Nicholas P. Jew, Antonio Porcayo Michelini and Andrea Guía-Ramírez—Investigating Prehistoric Fisheries: Growth-Band and Stable Isotope Analyses on Otoliths of a Critically Endangered Species (*Totoaba macdonaldi*) in the Upper Gulf of California, Mexico
- 9:15 Erin Keenan Early—Applying ZooMS to Gault Site Faunal Material: Identifying the Unidentifiable and the Case for Database Expansion

- 9:30 Brandon McIntosh—What Doña Ana Phase and Modern Jackrabbits (*Lepus californicus*) Can Tell Us about Climate Change in the Southeastern Southwest
- 9:45 Kelsey Witt, Julie M. Allen, Steven R. Kuehn, Mary L. Simon and Ripan Malhi—Dietary DNA Analysis of Mississippian Dog Coprolites
- 10:00 Erik R. Otárola-Castillo, Jesse Wolfhagen and Max Price—ZooaRch: General Audience Release of an R Graphical User Interface for Zooarchaeologists
- 10:15 Joshua Nowakowski, Chrissina C. Burke and Caitlin M. H. Bishop—Zooarchaeological Analysis of Dog Pathology in the American Southwest: A Case for Interpreting Dogs as Companions as Opposed to Beasts of Burden
- 10:30 Rachel Burger—Rain, Birds, and Whistle Tunes: Tewa Pueblo Rainmaking and the Ecological Importance of Bone Aerophones at Sapa'owinge, New Mexico
- 10:45 Spencer Lambert, Robert Bischoff and Joseph Bryce—Feathered Fauna: A Look at Bird Usage among the Fremont
- 11:00 Randee Fladeboe—Plucked Macaws: Evidence of Regular Feather Harvesting at Chaco Canyon
- 11:15 Meredith Wismer—Ungulate Bone Fat Exploitation at the Adoption of Horticulture in Western Iowa
- 11:30 Paige Hawthorne and Colin Grier—Put a Bird on It! A Multi-analytical Approach to Avian Analysis In Southwestern British Columbia

[182]

SYMPOSIUM ■ MAYA HIGHLAND AND PACIFIC COAST ARCHAEOLOGY: NEW DATA, DEBATES, AND DIRECTIONS PART 1**Room:** East Ballroom A (VCC)**Time:** 9:00 AM–11:45 AM**Chair:** Eugenia Robinson**Participants:**

- 9:00 Stephanie Strauss—Thirty Years after La Mojarra: Epi-Olmec Writing Revisited
- 9:15 Robert Rosenwig—Formative Period Izapa Kingdom and Its Neighbors
- 9:30 Rebecca Mendelsohn—Izapa and Highland El Salvador: Terminal Formative and Classic Period Ties
- 9:45 Christa Schieber de Lavarreda and Miguel Orrego—Where Is Tak'alik Ab'aj within the Fabric of Preclassic Interrelations?
- 10:00 Arthur Demarest, Carlos Alvarado and Tomás Barrientos—Investigations at San Andres Semetabaj and the Problematics of Middle to Late Preclassic Highland Archaeology
- 10:15 Barbara Arroyo—New Perspectives on the Maya Highland Site of Kaminaljuyu, Guatemala
- 10:30 Lucia Henderson—Changing Faces: Evolutions in Art at Kaminaljuyu, Guatemala
- 10:45 Marx Navarro-Castillo and Hector Neff—PIN7, a Diachronic Study of a Specialized Production in Eastern Soconusco
- 11:00 Hector Neff, Sachiko Sakai, Brendan Culleton and Douglas J. Kennett—Late Formative through Early Classic Occupation History in Eastern Soconusco
- 11:15 Dorie Reents-Budet, Annabeth Headrick and Ronald L. Bishop—Entangled Ideologies on the Pacific Coast: The Teotihuacán-Style Maya Censers from the Department of Escuintla, Guatemala
- 11:30 Geoffrey Braswell—Discussant

[183] **SYMPOSIUM ■ EL HOMBRE, SU ESPACIO, TIEMPO, INTERACCIONES Y ASPECTOS BIOARQUEOLÓGICOS**

Room: East Meeting Room 10 (VCC)

Time: 10:00 AM–12:00 PM

Chair: Rosa Maria Flores Ramirez

Participants:

- 10:00 Patricia Hernandez Espinoza and Estela Martínez Mora—Los Atributos de la Identidad el Caso de Tamtoc, San Luis Potosí, México
- 10:15 Juan Alberto Román Berrelleza—La Práctica del Desollamiento Humano entre los Mexicanos
- 10:30 Israel Lara Barajas and Fiorella Fenoglio—Aspectos Bioarqueológicos de los Grupos Prehispánicos del Semidesierto Queretano durante el Epiclásico
- 10:45 Fiorella Fenoglio and Israel Lara Barajas—Evidencias Bioarqueológicas de los Grupos Sedentarios en el Semidesierto de Querétaro
- 11:00 Andrés Saul Alcántara Salinas—El Caso de la Parcela 28 del Ejido de Comala, Colima: La Problemática del Saqueo Arqueológico y Recuperación de una Tumba de Tiro
- 11:15 Allan Ortega, Rosa Maria Flores Ramirez and Andrés Saúl Alcántara Salinas—Life Conditions in Human Skeletal Samples from Colima and Quintana Roo, Mexico: A Comparative Analysis across Time
- 11:30 Rosa Maria Flores Ramirez and Carlos Salgado Ceballos—Análisis Bioarqueológico de los Restos Óseos Recuperados en “El Tropel,” Colima
- 11:45 Luis Pantoja and María Jose Gómez—La Muerte entre los Mayas: Variabilidad de las Prácticas Funerarias en los Sitios Arqueológicos de la Región de Ichkaantijoo

[184] **GENERAL SESSION ■ RECENT PALEOINDIAN STUDIES II**

Room: West Meeting Room 203 (VCC)

Time: 10:15 AM–12:00 PM

Chair: Edward Knell

Participants:

- 10:15 A. Dudley Gardner and William Gardner—A Comparison of Lithic Types from a Multi-stratified Site in West Central Colorado (13,000–3000 BP)
- 10:30 Brian Snyder—An Examination of Variation in Hafting Configuration among Early Paleoindian Projectile Points
- 10:45 Angela Gore—Eastern Beringian Toolstone Procurement: Investigations of Fine-Grained Volcanics in the Nenana Valley, Interior Alaska
- 11:00 Jesse Tune, Heather L. Smith and Stephen Yerka—Younger Dryas Fluted Technologies: A Comparison of Folsom, Cumberland, and Barnes Technologies
- 11:15 Edward Knell—Terminal Pleistocene–Early Holocene Occupation Span and Technological Provisioning Strategies at Pluvial Lake Mojave, California
- 11:30 Emma Holm—Mount Rainier’s Oldest Artifact: Temporally and Geographically Contextualizing Early Microblade Technology
- 11:45 Andrew Frierson—Lithic Technology and Other Archaeological Investigations of Rock Creek Shelter (35LK22)

[185] SYMPOSIUM ■ BLOOD IN THE WATERS: VIOLENCE IN THE MISSISSIPPIAN AND LATE PREHISTORIC EASTERN WOODLANDS**Room:** East Meeting Room 8 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** Amber Osterholt**Participants:**

- 10:30 Amber Osterholt—Life and Death among the Late Fort Ancient: Injury Recidivism and Perimortem Trauma at Hardin Village, Kentucky
- 10:45 Jennifer Bengtson, Jodie O'Gorman and Amy Michael—Life during Wartime: Children, Violence, and Security at Morton Village
- 11:00 Eric Hollinger—Symbols of Ferociousness: Oneota Trophy Taking
- 11:15 Mallorie Hatch—Warfare in the Mississippian World: Comparing Variation in War across Small and Multi-mound Centers
- 11:30 David Dye, Keith Jacobi and William DeVore—The Wheel of Conflict: Physical and Spiritual Permanence of Mississippian Violence
- 11:45 Maria Smith—A Multi-site Analysis of Intergroup Violence in East Tennessee of 1300–1600 CE: Temporal and Regional Patterns

[186] SYMPOSIUM ■ TEACHING THROUGH THE PAST: ADVANCES IN TECHNOLOGICAL ANALYSIS OF THE ARCHAEOLOGICAL RECORD**Room:** East Meeting Room 17 (VCC)**Time:** 10:30 AM–12:00 PM**Chairs:** Heather Rockwell and Kevin Malloy**Participants:**

- 10:30 Todd Surovell, Randy Haas and Matthew O'Brien—High-Precision Mapping of Human Behavior in Ethnographic Contexts, a New Tool for Ethnoarchaeology
- 10:45 Brigid Grund—Radiocarbon Dating of Technological Transitions: From Atlatl to Bow in Northwestern Subarctic Canada
- 11:00 Kevin Malloy and Heather Rockwell—Just a Scratch: An Experimental Application of Reverse-Microwear Analysis
- 11:15 Kate Buchanan—Castles and Their Landscapes: A Gravity Model Experiment
- 11:30 Thomas Whitley—Droning on a Budget: UAVs, Aerial Imagery, and Photogrammetry for the Archaeologist
- 11:45 Peter Leach and Brian Robinson—Consumer-Grade Drone Mapping and Centimeter-Level Intertidal Geomorphic Changes at the Seabrook Marsh Site, Hampton, New Hampshire

[187] GENERAL SESSION ■ STRUCTURE AND SPACE AT MAYA SITES II**Room:** East Meeting Room 9 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** Christopher Hernandez**Participants:**

- 10:30 Christopher Hernandez—Walls, Ditches, and Spoil: Methodological Issues in the Study of Precolumbian Fortifications
- 10:45 Jim Aimers—Maya E-Groups and the Nature of Science: Ours and Theirs
- 11:00 Zoe Rawski—Refining Architectural Classifications of Preclassic Monumentality at Early Xunantunich, Belize
- 11:15 Zachary Nissen—(Re)Creating Monumental Space: The Everyday Use of Plaza Space at Aventura, Belize, from the Terminal Classic to Late Postclassic
- 11:30 Whitney Lytle—Transformations within an Ancestor Shrine: New Discoveries from Group D-Xunantunich, Belize
- 11:45 Steve Fox and Jaime Awe—Sacrifice in the Name of Ancestors: An Analysis of the Relationships between Terminus Groups and Site Cores in the Belize Valley

[188] GENERAL SESSION ■ THE ARCHAEOLOGY OF IMMIGRATION AND DIASPORA IN THE HISTORIC UNITED STATES

Room: East Meeting Room 5 (VCC)

Time: 10:30 AM–12:00 PM

Chair: Rebecca Renteria

Participants:

- 10:30 John Hedden and Daniel Horgen—The Strange and Terrible Tale of the Davenport Iowa Danish Hall Site: A Lesson in Urban Archaeology from the Farm State
- 10:45 Jennifer Picard, Alexander Anthony and John Richards—Forward and “Faug a Balac”: An Irish Immigrant Family Dugout in Wisconsin
- 11:00 Rebecca Renteria and Ronald Towner—Homesteading in Cebolla Canyon, New Mexico: Ethnicity Studies in Using Dendrochronology, Historical Documents, and Oral Histories
- 11:15 Mary Ann Levine—Moravian Travels through the “Spirit’s Nest”: Archaeology of Colonialism at Madame Montour’s Ostonwakin
- 11:30 Kari Lentz—Irish Independence in the Crapper? Irish Republican Army Buttons in San Francisco
- 11:45 Gabriella Soto—Microhistories of the “Funnel Effect”: Tracing the Banal Materialities of U.S. Border Enforcement, 2000–Present

[189] GENERAL SESSION ■ DIGITIZING THE ARCHAEOLOGICAL RECORD

Room: East Meeting Room 20 (VCC)

Time: 10:30 AM–12:00 PM

Chair: Eric Hanson

Participants:

- 10:30 Debbie Wallsmith and Jeff Mummert—Archaeology and Augmented Reality: Applications and Advice
- 10:45 Petr Kvetina and Jiri Unger—Digital On-Site Presentation of the Invisible Past
- 11:00 Daniel Martinez—Repeat Photography and Cultural Resource Management: A Case Study from Glen Canyon, Arizona
- 11:15 Joseph Pniewski—An Abundance of Data: The Opportunities and Constraints of Digital Media Utilization at Fort Snelling National Historic Landmark
- 11:30 Eric Hanson, Wendy G. Teeter and Lynn Dodd—Jaunt VR 360 Stereo Video Virtual Reality Camera as a Tool for Historic Interpretation and Archaeological Documentation
- 11:45 Kristina Golubiewski-Davis—Reconstructing Social Networks: Using 3D Scans to Infer Networks of Shared Manufacture Knowledge in Late Bronze Age Central Europe

[190] GENERAL SESSION ■ ARCHAEOLOGY IN THE ARCTIC

Room: East Meeting Room 7 (VCC)

Time: 10:30 AM–12:00 PM

Chair: Kathryn Kotar

Participants:

- 10:30 Christian K. Madsen, Ian Simpson, Michael Nielsen and Jette Arneborg—On the Margins of the Marginal? Fringe Settlement and Land Use in Norse Greenland
- 10:45 Caroline Solazzo, William Fitzhugh, Susan Kaplan, Charles Potter and Jolon Dyer—Molecular Markers in Keratins from Hair and Baleen for Species Identification of Archaeological Artifacts
- 11:00 Kathryn Kotar and James M. Savelle—Preliminary Results of New Excavations on Jens Munk Island, Foxe Basin, Arctic Canada

- 11:15 Andrew H. Tremayne and William Brown—Mid-Late Holocene Population Trends and Maritime Resource Intensification in Western Alaska
11:30 Thomas Ryan—Using Multidimensional Analysis for the Presentation of Zooarchaeological Data
11:45 James Woollett, Paul Adderley, Céline Dupont-Hébert, Guðrun Alda Gísladóttir and Úggi Ævarsson—Ecohistories of Settlement of the Community of Svalbarð, Northeast Iceland

[191] POSTER SESSION ■ ADVANCES IN ARCHAEOLOGICAL METHOD AND THEORY I**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 10:30 AM–12:30 PM**Participants:**

- 191-a Charles Morse and Meredith S. Chesson—Bodies, Bowls, and Burial: New Perspectives on the Bab adh-Dhra' Mortuary Assemblage
191-b Edward Banning and Isaac Ullah—Percolation Theory and the Effectiveness of Adaptive Sampling in Subsurface Survey
191-c Jennifer Milligan, Linda Scott Cummings, R. A. Varney and Gina Laurin—pXRF at the Museum: Nondestructive Elemental Composition Analysis of Collection Objects
191-d James Kilpatrick—Weber Fractions, Standardization, and Variation in Artifact Form
191-e Nicola Howard—The Uses of Photomicroscopy for Specimens in Museums
191-f David Maxwell—Refining the Early Chronology: North American Beer Cans, 1935–1967
191-g Hannah Hawkins, Melissa Torquato, Jessica Thompson, Emma James and Erik R. Otárola-Castillo—On Point-Cloud 9: A Replicable Protocol to Model 3D Point Clouds of Artifacts as 3D Surfaces
191-h Jared Divido—Testing the Use and Reliability of 3D Scanning Technology in the Construction of a Digital Comparative Faunal Bone Collection
191-i Leigh Anne Ellison—Digital Archiving for Archaeological Projects
191-j Rachel Pober, Amanda Keen-Zebert and Loren Davis—Refinement of the Chronostratigraphy and Age of Pit Features at the Cooper's Ferry Site, Idaho
191-k Tessa Plint, Lisa Hodgetts and Fred Longstaffe—The Effects of Different Defleshing Practices on $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of Modern Faunal Bulk Bone Collagen
191-l Danielle Phelps—Tutankhamun's Burial Assemblage: Normative or Atypical Mortuary Practices of the Eighteenth Dynasty of Ancient Egypt?
191-m Patrick Lubinski and Thomas Hale—Identifying and Siding the Stylohyoid Bone for North American Artiodactyls
191-n Marc Kissel and Agustín Fuentes—Semiosis in the Pleistocene Scene

[192] POSTER SESSION ■ ARCHAEOLOGICAL APPROACHES TO SYMBOL, RITUAL, AND MEANING IN THE AMERICAN SOUTHWEST**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 10:30 AM–12:30 PM**Participants:**

- 192-a David Witt and Kristy E. Primeau—Soundscapes in the Past: Interaudibility in the Chacoan Built Landscape
192-b Elisheva Charm and Severin Fowles—Indigenous Way Stations of Colonial New Mexico: New Evidence from the Rio Grande del Norte National Monument
192-c Sarah Krantz—Reevaluating Rock Art Panels in Northern New Mexico
192-d Katherine Brewer—Religion and Death: Missionization and Its Effects on Puebloan Burial Practices during Spanish Colonization

- 192-e Katelyn Bishop, Samantha Fladd and Adam Watson—Social-Ceremonial Organization, Ritual Practice, and Ritual Use of Fauna in Chaco Canyon, New Mexico
- 192-f Christopher Schwartz—Exploring the Deposition of Fauna in Public Spaces in the Tonto Basin, Arizona
- 192-g Elizabeth Dresser-Kluchman—Scarred Ponderosas, Rock Art, and Other Traces of Ute History: New Evidence from the Rio Grande del Norte National Monument
- 192-h Alison Livesay—Exploring Mimbres Social Memory through Burials and Architecture
- 192-i Troy Lovata—Manito Trail Arboglyphs: Expressions of Place and Conceptions of Wilderness in Historic Graffiti from New Mexico, Colorado, and Wyoming
- 192-j Jana Meyer—Examining Variable Funerary Practices at Pottery Mound, New Mexico
- 192-k Melanie Cootsona and Madeleine Strait—The Animals of Pueblo Ritual: Faunal Analysis of a Kiva from Pot Creek Pueblo, New Mexico

[193] POSTER SESSION ■ ADVANCES IN ARCHAEOLOGICAL METHOD AND THEORY II

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 193-a Sheina Lew-Levy, Rachel Reckin, Noa Lavi, Jurgi Cristóbal-Azkarate and Kate Ellis-Davies—How Do Hunter-Gatherer Children Learn to Make Material Culture? A Meta-Ethnographic Review
- 193-b Lia Tarle, George Nicholas and Hugo Cardoso—Museum Ethics and the Display of Archaeological Human Remains
- 193-c Philip Carr—Representing and Intervening: Team-Based Learning in AN 442 Cultural Resource Management
- 193-d Steven Holen and Kathleen Holen—Use-Wear and Breakage Patterns on Cow and Elephant Limb Bone Produced from Anvil Contact during Breakage Experiments
- 193-e Kathleen Holen and Steven Holen—Comparison of Proboscidean Bone Notches to Experimental Dynamic and Static Notches on Cow Bone
- 193-f Jamison Rush—A Queer Reframing of Gendered Archaeological Theory
- 193-g Karin Larkin and Michelle Slaughter—Health Mecca of the West: The Archaeology of a Tuberculosis Sanatorium
- 193-h Elizabeth Scharf—Dangerously Close to Big Data: The Intriguing Possibilities of Statistical Time Series Analysis in Archaeology and Paleoecology
- 193-i Christopher Hailey, Ashley Parker, Christopher Parker and Brian Codding—To Guard or Not to Guard? Variations in Territoriality within Hunter-Gatherer Societies
- 193-j Mark Van Horn, Adi Eliyahu, Naama Yahalom-Mack and Ann E. Killebrew—Reconstructing Phoenician Iron Production at Tel Akko, Israel
- 193-k Nicholas Smith, Sarah Hlubik, Tamara Dogandžić and David R. Braun—Application of Photogrammetric Methods to Archaeological Site Documentation: Archaeological and Experimental Case Studies
- 193-l Yukiko Tonoike and Dawn Brown—Beyond Impressions: Systematizing Sherd Identification Using the Yale Khabur Basin Project Collection

[194] POSTER SESSION ■ NORTH AMERICA: PACIFIC NORTHWEST I

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 194-a Joanna Wells, Kathryn Krasinski, David Yesner and Fran Seager-Boss—Traditional Dena'ina Land Use at the Cottonwood Creek Village Site, South-Central Alaska

- 194-b Caroline Funk, Debra Corbett and Brian Hoffman—Multigenerational, Multipurpose Landscapes and Seascapes in the Western Aleutian Islands
- 194-c Kelly Derr, Colin Grier and Adam Price—Changing Ecologies and Altered Landscapes: A 13,500 year Paleoecological Record from Galiano Island, British Columbia
- 194-d William Damitio and Shannon Tushingham—Pipes and Smoking in Precontact Pacific Northwest North America
- 194-e Emily C. Taber and Virginia L. Butler—Toward Developing an Economic Model of Fish Rank for Late Nineteenth-Century Pacific Northwest Households
- 194-f Floyd Aranyosi, David Davis, Ashley Garrett and Caroline Hartse—Yama Village: Community College Students Develop an Archaeological Analysis of a Historic Transnational Japanese Community in Washington State
- 194-g Erin Hogg and John Welch—Archaeological Assessment of Land Claims
- 194-h Shane Sparks, J. Tait Elder, Mathew Sisneros and Melissa Cascella—Buried Archaeological Sensitivity Modeling in the Pacific Northwest

[195] POSTER SESSION ■ A LINK TO THE PAST: TEXT MINING AND ENTITY RECONCILIATION WITH THE DIGITAL INDEX OF NORTH AMERICAN ARCHAEOLOGY (DINAA)

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Chairs: Stephen Yerka and Joshua J. Wells

Participants:

- 195-a Stephen Yerka, Joshua J. Wells, David G. Anderson, Sarah Whitcher Kansa and Eric Kansa—The Current State of the Digital Index of North American Archaeology (DINAA)
- 195-b Taylor Wiley, Joshua J. Wells, Eric Kansa, Patrick Finnegan and R. Carl DeMuth—More Than Just Another Number: Use of the Smithsonian Trinomial System and the Digital Index of North American Archaeology (DINAA) to Link Open Information about Archaeological Sites Across the Web
- 195-c Frankie West, Stephen Yerka, Joshua J. Wells, Eric Kansa and Sarah Whitcher Kansa—DNA Linkage: Incorporating North American Ancient DNA Data into DINAA

[196] POSTER SESSION ■ LEARNING ABOUT THE PAST WITH FRAGMENTS FROM THE FIRE: STUDENT RESEARCH ON AN NSF-REU FIELD SCHOOL

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Chairs: Julia Giblin, Györgyi Parditka and Paul R. Duffy

Participants:

- 196-a Paul R. Duffy, Györgyi Parditka, Justine Tynan and Ádám Balázs—Gone to Pot: Stylistic Breaks in a Radiocarbon-Based Ceramic Chronology for the Eastern Hungarian Bronze Age
- 196-b Pranavi Ramireddy, Julia Giblin, Jaime Ullinger and László Paja—An Evaluation of Preservation, Sex, and Age Using Cremains Weight and Volume from a Bronze Age Cemetery in Hungary
- 196-c Anna Szigeti, Virág Varga, Viktória Kiss and Attila Gyucha—An Examination of Changing Copper and Bronze Age Trade Networks in the Körös River Valley, Southeast Hungary
- 196-d Robert Barlow, Hajnal Szász, Györgyi Parditka and Paul R. Duffy—Spiraling like a Boss: Exploring Elements of Bronze Age Ceramic Style at the Micro-Regional Level
- 196-e Kylie Williamson, Julia Giblin, Jaime Ullinger and László Paja—Spatial Analysis

and Sampling Techniques of Cremated Remains from Bronze Age Cremation Urns in Southeast Hungary

- 196-f Heleinna Cruz, Jaime Ullinger and László Paja—Bone Calcination of Different Age Groups in Cremations from Bronze Age Hungary
- 196-g Emily Quarato and Julia Giblin—Burning Questions about Preservation: An Investigation of Cremated Bone Crystallinity in a Bronze Age Cemetery
- 196-h Audrey Choi, Jaime Ullinger and László Paja—Identifying Pre-incineration State from Heat-Induced Fracture and Warping Patterns Found on Human Remains in a Hungarian Bronze Age Cemetery
- 196-i Craig Jensen and Mark Goltko—Ceramics Provenience: Chemical Analysis of Ceramics and Clays in Eastern Hungary via LA-ICP-MS
- 196-j Gustavo Cerquera Benjumea and Hamima Halim—Death Games: Exploring the Békés 103 Cemetery Using 3D Technology

[197] GENERAL SESSION ■ DISCERNING SOCIAL COMPLEXITY IN THE NORTH AMERICAN ARCHAEOLOGICAL RECORD

Room: East Meeting Room 2 (VCC)

Time: 10:45 AM–12:00 PM

Chair: Patrick Livingood

Participants:

- 10:45 Jacob Lulewicz—Sociopolitical Networks and the Transformation of Southern Appalachian Societies, AD 700–1400
- 11:00 Dawn Rutecki—Entangled Complexity: Spiro, Religion, and Food
- 11:15 Patrick Livingood—Leadership Specialization among the Caddo and Their Neighbors of the Southeast
- 11:30 Suzanne Villeneuve—Village Aggregation and Early Cultural Developments on the Canadian Plateau: A Case Study from Keatley Creek
- 11:45 Nancy Williams, Nancy Williams, Thomas Foster and Briggs Buchanan—Social Change among the Lower Creek, the Late Woodland to Historic Period

[198] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTHEAST ASIA I

Room: East Meeting Room 4 (VCC)

Time: 11:00 AM–12:00 PM

Chair: Adam Lauer

Participants:

- 11:00 Adam Lauer, Stephen Acabado, Chin-hsin Liu and John Krigbaum—Health and Nutritional Stress in Pericolonial Ifugao, Philippines
- 11:15 Queeny Laperña and Stephen Acabado—Resistance through Ritual Feasts: The Role of Domesticated Pigs (*Philippine Sus scrofa*) in Ifugao's Fight against Spanish Colonialism
- 11:30 Piyawit Moonkham—Mythscape: An Ethnohistorical Archaeology of Space and Narrative in the Northern Thai Cultural Landscapes
- 11:45 Erin Riggs—Materializing Nationhood: The Many Roles of Built Landscape Management Policy in Post-partition India and Pakistan

Friday Afternoon ■ March 31, 2017**[199] GENERAL SESSION ■ DEVELOPMENTS IN UNDERWATER ARCHAEOLOGY****Room:** West Meeting Room 204 (VCC)**Time:** 1:00 PM–2:00 PM**Chair:** Jessica Cook Hale**Participants:**

- 1:00 Lisa Niziolek, Amanda Respass, Gary Feinman and Laure Dussubieux—Globalization in Southeast Asia's Early Age of Commerce and the Contributions of Maritime Archaeology
- 1:15 Sarah P. Sportman and David Leslie—Underwater, Terrestrial, and Intertidal Core Extractions at the Walk Bridge, Norwalk, Connecticut: An Alternative to Traditional Phase I Survey
- 1:30 Christophe Delaere—Underwater Archaeology in Lake Titicaca, Bolivia: Use of the Littoral Zone in the Tiwanaku Period (AD 500–1150)
- 1:45 Jessica Cook Hale, Nathan Hale and Ervan Garrison—The Tempest: Geoarchaeological Investigations into the Effects of a Hurricane on a Submerged Prehistoric Archaeological Site, Apalachee Bay, Florida, USA

[200] SYMPOSIUM ■ ARQUEOLOGÍA DE LA SIERRA NORTE DE OAXACA, NUEVOS TRABAJOS DE INVESTIGACIÓN ARQUEOLÓGICA, GESTIÓN COMUNITARIA Y PROTECCIÓN DEL PATRIMONIO CULTURAL**Room:** East Meeting Room 17 (VCC)**Time:** 1:00 PM–2:15 PM**Chair:** Pedro Ramon Celis**Participants:**

- 1:00 Laura Diego Luna—Reconocimiento Arqueológico de la Cuenca Alta del Río Grande (Sierra Juárez) de Oaxaca: Método y Avances de la Investigación
- 1:15 Nelly Robles Garcia—Investigaciones Arqueológicas en la Sierra Norte de Oaxaca: El Sitio de San Pedro Nixicho
- 1:30 Pedro Ramon Celis—Contextos Funerarios Posclásicos en San Pedro Nixicho Oaxaca, Análisis Preliminares de un Sitio de la Sierra Juárez
- 1:45 Jack Corbett and Nelly Robles Garcia—Más Allá de la Arqueología
- 2:00 Edith Ortiz-Díaz—Discussant

[201] SYMPOSIUM ■ IN THE MOTHER'S WOMB: ARCHAEOLOGICAL RESEARCH IN CAVES**Room:** East Meeting Room 10 (VCC)**Time:** 1:00 PM–2:30 PM**Chair:** Emiliano Gallaga**Participants:**

- 1:00 Tobías García Vilchis and Emiliano Gallaga—The Cave Dwellers of the Sierra Tarahumara
- 1:15 América Martínez—Cuevas Arqueológicas al Oeste de la Sierra Madre Occidental, Chihuahua: Las Casas Acantilado
- 1:30 Emiliano Gallaga—The Macaw from Cueva de Avendaños, Chihuahua
- 1:45 Jupiter Martinez and Amanda Ríos—Rancho la Cueva: Agaves and Casas Grandes in a Cliff Dwelling
- 2:00 Claudia Garcia-Des Lauriers—Cave Myths Past and Present: Cerro Bernal as a Sacred Landscape
- 2:15 Adriana Sanchez—Akna and the Moon Spinners: Gender Relations and Rituals in Caves

- [202] SYMPOSIUM ■ EL EXTREMO SUR/EL EXTREMO NORTE: RECENT RESEARCH ON MOBILITY AND VERTICALITY IN THE PERU-CHILE BORDERLANDS**
Room: West Meeting Room 209 (VCC)
Time: 1:00 PM–2:45 PM
Chairs: Noa Corcoran Tadd, Romuald Housse and Thibault Saintenoy

Participants:

- 1:00 Sarah Baitzel—A View from the Past: A Reanalysis of Archaeological Collections from the Sama Valley and Its Implications for Current Models and Chronologies of the Southern Andean Valleys
1:15 Paul Goldstein and Matt Sitek—Tiwanaku Colonization and the Great Reach West: Preliminary Results of the Locumba Archaeological Survey 2015–2016
1:30 Romuald Housse—Fortified Settlements of the Upper Basin of the Sama River (Tacna) during the Late Intermediate Period (AD 1100–1450)
1:45 Mauricio Uribe—Repensando la Verticalidad en Tiempos del Inca: El Caso de Zapahuira, Sierra de Arica, Norte de Chile
2:00 Jesús Gordillo Begazo and Colleen Zori—Resultados Preliminares del Proyecto Moqi (Peru): Explorando la Administracion Inkaica en el Departamento de Tacna
2:30 Romuald Housse—Discussant

- [203] GENERAL SESSION ■ AFRICAN ARCHAEOLOGY II**
Room: West Meeting Room 203 (VCC)
Time: 1:00 PM–2:45 PM
Chair: Elizabeth Sawchuk

Participants:

- 1:00 Elizabeth Sawchuk—The Origins of Pastoralism in Eastern Africa: New Human Dental Evidence from Mid-Holocene Pillar Sites in the Turkana Basin
1:15 Justin Dunnivant—In Search of King Tona's Palace: The Politics of Archaeology and Memory in Southern Ethiopia
1:30 Johannes Krause, Verena Schuenemann, Alexander Peltzer, Wolfgang Haap and Stephan Schiffels—Ancient Egyptian Mummy Genomes Suggest an Increase of Sub-Saharan African Ancestry in Post-Roman Periods
1:45 Jane Humphris and Michael Charlton—Early Iron Production in Sudan
2:00 Michael Charlton and Jane Humphris—Experimental Iron Smelting at Meroe, Sudan
2:15 Jessika Akmenkalns—Cultural Continuity and Change in the Wake of Ancient Nubian-Egyptian Interaction
2:30 R. Scott Hussey—Enslaved Christian Captives in Early Modern North Africa: Resolving Historical Contentions through Archaeology

- [204] GENERAL SESSION ■ STRUCTURE AND SPACE AT MAYA SITES I**
Room: East Meeting Room 5 (VCC)
Time: 1:00 PM–2:45 PM
Chair: Marieka Arksey

Participants:

- 1:00 Sarah Kurnick—Navigating Social Memories and Reshaping Built Environments: An Analysis of Postclassic Reoccupation in the Yucatán Peninsula
1:15 Melissa Burham—Ancient Urbanites: The Spatial and Social Organization of Outlying Temple Groups at Ceibal, Guatemala
1:30 Diane Slocum, Doug Tilden and Jaime Awe—Xunantunich Reloaded: Examining the Sociopolitical Significance of Structure A9
1:45 Lorraine Williams-Beck—Classic Maya Architectural Form, Function, and Urban Context in the Chenes Region, Campeche

- 2:00 Maline Werness-Rude and Kaylee Spencer—Maya Architecture in the Northern Lowlands
2:15 Sherman Horn and Anabel Ford—Putting El Pilar Back on the Middle Preclassic Map: Assessment and Synthesis of the Architectural Data
2:30 Marieka Arksey—Politicized Use of the Spaces outside of Caves during the Terminal Classic Maya Collapse

[205] FORUM ■ WHAT GOOD IS SECONDHAND DIGITAL DATA?

(Sponsored by Student Affairs Committee)

Room: East Meeting Room 4 (VCC)

Time: 1:00 PM–3:00 PM

Moderator: Francis McManamon

Participants:

- Katherine Spielmann—Discussant
Tim Kohler—Discussant
Michelle Hegmon—Discussant
Ronald Faulseit—Discussant
Leslie Aragon—Discussant
Bonnie Styles—Discussant
James Wilde—Discussant
Colleen Strawhacker—Discussant
Nancy Wilkie—Discussant

[206] FORUM ■ HERITAGE MATTERS: ARCHAEOLOGY AND COMMUNITY ENGAGEMENT

THROUGH POLITICAL ADVOCACY

Room: East Meeting Room 20 (VCC)

Time: 1:00 PM–3:00 PM

Moderator: Elizabeth C. Reetz

Participants:

- Phillip Ashlock—Discussant
Allyson Brooks—Discussant
Barbara Clark—Discussant
William Doelle—Discussant
Deborah Gangloff—Discussant
Donn Grenda—Discussant
David Lindsay—Discussant
Giovanna Peebles—Discussant
William Quackenbush—Discussant
Kary Stackelbeck—Discussant
Marion Werkheiser—Discussant

[207] SYMPOSIUM ■ LIVING AT THE MARGINS: ARCHAEOLOGICAL AND ETHNOGRAPHIC RESEARCH ON POST-EIGHTEENTH-CENTURY IRISH AND SCOTTISH RURAL LIFE

Room: East Meeting Room 19 (VCC)

Time: 1:00 PM–3:15 PM

Chairs: Stephen Brighton and Ian Kuijt

Participants:

- 1:00 Stephen Brighton—Working on the Margins of the Modern World and within Archaeology: The Historical Archaeology of Late Nineteenth- and Early Twentieth-Century Ireland
1:15 Nicholas Ames and Meagan Conway—Island, Mainland, and the Space

- Between: The Role of Geography in Shaping Community Historical Trajectories of Nineteenth- and Twentieth-Century Ireland
1:30 Andrew Webster—Marginality in a Connected World: Consumption and Consumerism in Nineteenth-Century Rural Ireland
1:45 Sara Morrow and Meredith S. Chesson—Networks of Material Mediation: Shopkeepers in Rural Community Social Dynamics
2:00 Eugene Costello—Cows, Wolves, and Witches: The Question of Marginality within Transhumant Communities of Western Ireland
2:15 Jeff Oliver and Agusta Edwald—On Grounding “Margins” and “Marginals”: With Brief Visits to the Bennachie Colony (Scotland) and New Iceland (Canada)
2:30 Patrick Rivera—Celtic Crosses and Quetzal Masks: On the (Re)production of the Archaeological Record
2:45 James Symonds—Discussant
3:00 Ian Kuijt—Discussant

[208] SYMPOSIUM ■ ARCHAEOLOGY OF CULTURAL FLUIDITY IN TAIWAN**Room:** East Meeting Room 16 (VCC)**Time:** 1:00 PM–3:15 PM**Chairs:** Mu-Chun Wu and Pei-Lin Yu**Participants:**

- 1:00 Yvonne Marshall—Creating, Enduring, and Transforming: Pots and People in Southern Taiwan
1:15 Sandy Budden-Hoskins—Tracing Purpose: An Emic View of Pottery Making in Prehistory and Beyond
1:30 Chung Yu Liu—Settlement Configuration and Social Structure: Applying Spatial Comparative Analysis in Old Kucapungane
1:45 Maa-ling Chen—Movement of People and Its Cultural Reconstructions: Spatial Construction and Cultural Fluidity in Paiwan, Taiwan
2:00 Mu-Chun Wu—Modeling Communities: Social Transformation of Early Kaushi, Taiwan
2:15 Pei-Lin Yu—Behavioral Ecology of Neolithic Transformations in Taiwan: Ceramics and Settlements
2:30 Mike Carson and Hsiao-chun Hung—Changing Landscapes of the Paleolithic/Neolithic Transition in Taiwan
2:45 Questions and Answers
3:00 Arleyn Simon—Discussant

[209] SYMPOSIUM ■ THREADS ACROSS TIME AND SPACE**Room:** East Meeting Room 14 (VCC)**Time:** 1:00 PM–3:15 PM**Chairs:** Rita Wright and Lisa Overholtzer**Participants:**

- 1:00 Paula Dupuy—The Intersection of Clay and Fiber in Central Eurasian Prehistory: Methods for Evaluation
1:15 Michele Smith—Globalization, Trade, and Magic: Weaving the Threads of Iceland’s Viking Age Textiles
1:30 Susan M. Alt—Weaving Meaning into Mississippian Ritual
1:45 John K. Millhauser and Lisa Overholtzer—Mixed Metaphors and Mixed Media: Using Commodity Chains and Commodity Circuits to Better Understand Aztec Textile Production
2:00 Megan Leight and Christina Halperin—Classic Maya Textiles and the Crafting of Communities

- 2:15 Sharisse McCafferty and Geoffrey McCafferty—Fringe Identities: Costume in the Mixtec Codices
2:30 Geoffrey McCafferty—Discussant
2:45 Julia Hendon—Discussant
3:00 Eva Andersson Strand—Discussant

[210] SYMPOSIUM ■ NOT JUST GOOD TO SEE: GLOBAL PERSPECTIVES ON SCENES IN ROCK ART
Room: East Meeting Room 11 (VCC)
Time: 1:00 PM–3:15 PM
Chair: Iain Davidson

Participants:

- 1:00 Iain Davidson—Scenes and Non-Scenes in Rock Art: Are There Things We Can Learn about Cognitive Evolution from the Differences
1:15 Livio Dobrez—Rock Art Categorization
1:30 Elisabeth Culley—A Comparison of “Scenes” in Parietal and Non-Parietal Upper Paleolithic Imagery: Formal Differences and Ontological Implications
1:45 Melanie Chang and April Nowell—A Census of Women in the Upper Paleolithic
2:00 Carole Fritz and Gilles Tosello—Perception et Analyse des Scènes dans l’art Paléolithique Européen
2:15 June Ross—Narrative or Analysis: Identifying Scenes in the Rock Art of the Kimberley and Central Desert, Australia
2:30 Tilman Lenssen-Erz, Brigitte Mathiak, Eymard Faeder, Maya von Czerniewicz and Joana Wilmeroth—Scenic Narratives of Humans and Animals in Namibian Rock Art
2:45 Grant McCall, Theodore Marks, Andrew Schroll and Jordan Krummel—Putting Southern African Rock Paintings in Context: The View from the Mirabib Rockshelter, Namibia
3:00 John Robb—Discussant

[211] SYMPOSIUM ■ FEASTS AND RITUAL STRUCTURES: ETHNOARCHAEOLOGICAL AND ARCHAEOLOGICAL PERSPECTIVES
Room: East Meeting Room 9 (VCC)
Time: 1:00 PM–3:15 PM
Chair: Takashi Sakaguchi

Participants:

- 1:00 Nobutaka Hirahara—Feasting and Concentrated Pottery Production in East Cape, Papua New Guinea
1:15 Leo Aoi Hosoya—Feast as a Farming “Technique”: Ethnohistorical Case Studies from Amami and Yaeyama Islands, Japan
1:30 Takashi Sakaguchi—Evolution of Feasting among Jomon Societies Based on Wooden Artifacts
1:45 Yuka Sasaki—Feasting from the Early to Middle Jomon Period Deduced from Seed Impressions on Pottery
2:00 Masaru Kobayashi—Archaeology of Salmon Ceremony in the Japan Sea Coastal Regions: A Comparative Study with the Northwest Coast of North America
2:15 Ryuzaburo Takahashi—A Consideration of Totemism in Late-Latest Jomon Age Based on Archaeological Records
2:30 Oki Nakamura—Rethinking Local Differences in Burial Customs in the Final Jomon Period

- 2:45 Yo Negishi—Transformation of the Jomon-Era Ritual System: A Case Study of the Jomon/Yayoi Transition in the First Millennia BC in the Tohoku Region of the Japanese Archipelago
3:00 Brian Hayden—Discussant

[212] SYMPOSIUM ■ ARCHAEOLOGY AND NEW OR ALTERNATIVE RELIGIOUS MOVEMENTS

Room: East Meeting Room 18 (VCC)

Time: 1:00 PM–3:30 PM

Chairs: Jeb J. Card and David S. Anderson

Participants:

- 1:00 Jennifer Shaffer Foster—Ritual and Rag Trees in Contemporary Ireland
1:15 Isabel Scarborough—Archaeological Patrimony, Spirituality, and the Construction of a New Indigenous Class in Highland Bolivia
1:30 Cynthia Humes—Hindutva's Rediscovery/Appropriation of Its Ancient Past
1:45 David S. Anderson—Esoteric Spiritualities and Archaeology: Bridging Alternative Understandings of the Ancient World
2:00 Kevin Whitesides—The Highest Common Factor: Heterodox Archaeology and the Perennialist Milieu
2:15 Kenneth Feder—This Way to the Sacrificial Table: The Mystification of the Mundane in the Archaeological Record
2:30 Jeb J. Card—Witches and Aliens: How an Archaeologist Inspired Two New Religious Movements
2:45 Michele Hanks—"That Box Is Haunted!": English Paranormal Investigating and the Immateriality of the Past
3:00 Peter Hiscock—Digging into the Supernatural World: Cinema's Intrinsically Religious Depiction of Archaeology
3:15 Joseph Laycock—Discussant

[213] SYMPOSIUM ■ BEYOND TYPOLOGY: CURRENT TRENDS IN CERAMIC ANALYSIS IN CHINA

Room: West Meeting Room 208 (VCC)

Time: 1:00 PM–3:30 PM

Chairs: Anke M. Hein and Andrew Womack

Participants:

- 1:00 Andrew Womack—Use-Wear and Standardization Analysis of Pottery from Dibaping, a Banshan Period Cemetery in Southern Gansu Province, China
1:15 Yichao Zhao—Use-Wear Analysis on Cooking Vessels of the Longshan Culture: Case Studies on the Tonglin Site
1:30 Ilaria Patania, Susan M. Mentzer, Ofer Bar-Yosef and Paul Goldberg—Micromorphology of Hearth Features and FTIR Analysis of Clays at Xianrendong and Yuchanyan Cave: Reconstructing Pyrotechnology and Human Behavior Connected with the Earliest Pottery
1:45 Camilla Sturm—Evaluating Structural Change in Neolithic Economies: Social Network Analysis of Utilitarian Pottery Exchange in the Jianghan Plain
2:00 Kuei-chen Lin—Standardization in Pottery Production of the Jinsha Site, Chengdu Plain, China
2:15 Qiaowei Wei—Made Locally or Long-Distance Transportation? New Evidence on Ceramic Vessels from Salt Production Sites from the Late Shang Period in North Shandong
2:30 Eric Carlucci, Jianfeng Cui and Ling-Yu Hung—Portable XRF Analysis of the Pigments of Majiayao Pottery from Dayatou, Northwest China
2:45 Lingyi Zeng—EDXRF Analysis on Ceramics during the Mongol Period in China

- 3:00 Matthew Chastain, Jianli Chen and Xingshan Lei—Materials Processing in the Production of Ceramic Bronze-Casting Molds from the Zhouyuan Area, China, c. 1100–771 BCE
3:15 Questions and Answers

[214] SYMPOSIUM ■ AN INTRODUCTION TO THE SOCIO-ECOLOGICAL ENTANGLEMENT IN TROPICAL SOCIETIES (SETS) PROJECT
Room: East Meeting Room 15 (VCC)
Time: 1:00 PM–3:45 PM
Chairs: Scott Macrae, Kendall Hills and Leah Marajh

Participants:

- 1:00 Gyles Iannone—Discussant
1:15 Leah Marajh—The Socio-Ecological Entanglement of Water and Resilience in Past and Present Tropical Societies
1:30 Scott Macrae—A Comparative Approach to Deciphering Past Agricultural Strategies in the Tropics: The Shared Trends of Resiliency, Vulnerability, and Complexity
1:45 Natalie Baron and Gyles Iannone—Investigating the Religious Landscape of Epicenters in Preindustrial Tropical States
2:00 Pete Demarte, Samantha Walker, Dan Savage and Melissa Coria—Weathering the Tropics: The Problem of Archaeological Data Collection and Understanding Settlement Systems, Socio-Ecological Dynamics, Human-Thing Entanglements, and the Resiliency of Tropical Societies
2:15 Kendall Hills—Investigating the Socio-Ecological Entanglement of Integrative Mechanisms among the Charter States of South and Southeast Asia
2:30 Sophie Goldberg—Beyond the Bayon and Ta Phrom: Modeling Demography and Population Health at Angkor, Capital of Medieval Cambodia (802–1431 CE)
2:45 Zankhna Mody—Socio-Ecology and the Sacred: A Comparative Study of Historic Natural Sites in Tropical Asia
3:00 Miriam Stark—Discussant
3:15 Arthur Demarest—Discussant
3:30 Questions and Answers

[215] SYMPOSIUM ■ CRAFTING AND CONSUMPTION IN PREHISPANIC MESOAMERICA: A DIACHRONIC PERSPECTIVE/LA PRODUCCIÓN Y EL CONSUMO DE ARTESANÍAS EN MESOAMÉRICA DURANTE LA ÉPOCA PREHISPÁNICA: UNA PERSPECTIVA DIACRÓNICA
Room: East Meeting Room 13 (VCC)
Time: 1:00 PM–4:00 PM
Chair: Lane Fargher

Participants:

- 1:00 Mari Carmen Serra Puche—La Producción de Artesanías durante el Formativo en Xochitecatl-Cacaxtla, Tlaxcala
1:15 Hector Cardona Machado, Héctor Cardona, Verenice Y. Heredia Espinoza and John K. Milhauser—La Obsidiana en el Occidente de México: “Ausencias” en la Opulencia
1:30 Alejandro Uriarte Torres—Consumo de Bienes de Prestigio y Estrategias Políticas: Una Propuesta Diacrónica para el Noroeste de Yucatán en el Preclásico
1:45 Carlos Lazcano Arce and Marianne Sallum—Work and Specialization in the Epiclassic Period (650–950 CE) at Xochitecatl-Cacaxtla, Tlaxcala
2:00 Carmen Pérez, Yoko Sugiura and Wesley Stoner—Producción y Consumo de la Cerámica Coyotlatelco: El Caso del Valle de Toluca en el Epiclásico

- 2:15 Angelica Costa, Lane Fargher, Richard Blanton, Verenice Y. Heredia Espinoza and John K. Millhauser—Crafting, Identity, and Power: A Comparative Analysis of Late Postclassic Facial Adornment Use in Central Mexico
- 2:30 Marc Marino, Lane Fargher, Richard Blanton, Verenice Y. Heredia Espinoza and John K. Millhauser—Chipped Tool Production and Exchange in Late Postclassic Tlaxcallan: Integrating Specialized Production with the Political Economy of a Collective State
- 2:45 Ivonne Pérez Alcántara, Lane F. Fargher, Verenice Y. Heredia Espinoza, Richard Blanton and John K. Millhauser—El Estado Tlaxcalteca, el Intercambio y la Economía Doméstica: Un Estudio sobre la Relación entre la Producción, el Consumo y la Política Comercial de un Estado Colectivo
- 3:00 Keitlyn Alcantara—"Eating Locally" in Tlaxcallan: The Impacts of Political Economy on Postclassic Diets
- 3:15 Aurelio López Corral, A. Gabriel Vicencio, Bianca L. Gentil and Nora A. Pérez Castellanos—The Geopolitical Implications of Sub-Flow Variation within the Zaragoza-Oyameles Obsidian Source
- 3:30 Richard Blanton—Discussant
- 3:45 Questions and Answers

[216] SYMPOSIUM ■ TRADITIONAL KNOWLEDGE AND LITHIC RESOURCES
(Sponsored by *Prehistoric Quarry and Early Mines Interest Group*)
Room: West Meeting Room 210 (VCC)
Time: 1:00 PM–4:00 PM
Chairs: Adrian Burke and Rudy Reimer

Participants:

- 1:00 Nathaniel Kitchel—The Use and Travels of Red Munsungun Chert: The Early Social Significance of a Northern New England Quarry
- 1:15 Heather Wholey—The Mid-Atlantic Steatite Belt: Archaeological Approaches to Traditional Knowledge and the Formation of Persistent Landscapes
- 1:30 Anne S. Dowd—Traditional Native American Raw Material Sources in the Yellowstone Region
- 1:45 Adrian Burke—Traditional Knowledge and Lithic Sources in Northeastern North America
- 2:00 Brandi Lee MacDonald—Ochre Quarrying as Placemaking in British Columbia
- 2:15 Benjamín Ballester, Marcela Sepúlveda, Francisco Gallardo, Gloria Cabello and Estefanía P. Vidal Montero—Pigment Mining for Color Meanings: El Condor Mine from Atacama Desert (AD 300–1500)
- 2:30 David Denton—Waapushukamikw: Sacred Site and Lithic Quarry in Subarctic Quebec
- 2:45 Patrick Julig—Traditional Wooden Structures on an Ancient Quartzite Quarry Site, Manitoulin Island, Canada
- 3:00 Dean Arnold—Finding Prehistoric Sources of Ceramic Raw Materials in Ticul, Yucatán, Mexico: Traditional Knowledge, Materiality, and Religion
- 3:15 Kevan Edinborough, Peter Schauer, Andrew Bevan, Mike Parker Pearson and Stephen Shennan—Supply and Demand in the Neolithic Quarry Production of Northwest Europe
- 3:30 Gabriel Cooney, Jenny Murray and Will Megarry—Powerful Objects: Traditional Beliefs about Neolithic Axes and Knives in Shetland
- 3:45 William Fox—Discussant

[217] SYMPOSIUM ■ SEATS OF POWER: FUNCTIONAL SECTORS IN MESOAMERICAN PALACES**Room:** West Meeting Room 202 (VCC)**Time:** 1:00 PM–4:00 PM**Chair:** Linda R. Manzanilla**Participants:**

- 1:00 Linda R. Manzanilla—Xalla, Teotihuacán: A Multifunctional Palace for the Ruling Elite of Teotihuacán
- 1:15 Verónica Ortega—Elementos de Prestigio en el Complejo Arquitectónico Quetzalpapálotl, Teotihuacán
- 1:30 Ana M. Jarquin and Enrique Martinez—El Palacio Norte de la Ciudadela, Conjunto 1D, Teotihuacán
- 1:45 Annick J. E. Daneels—Palaces at La Joya, Classic Period Central Veracruz: Architectural and Ideological Evidence
- 2:00 Takeshi Inomata—Maya Palaces at Aguateca and Ceibal, Guatemala
- 2:15 William J. Folan, Maria del Rosario Dominguez C. and Joel D. Gunn—Maya Palaces: Royal Courts of the Ancient and Not-So-Ancient Maya
- 2:30 Genevieve Lucet—Spatial Roles in Cacaxtla: A Delineation from the Study of Its Architecture
- 2:45 Claudia I. Alvarado—The Palace Group at Xochicalco, Morelos, Mexico
- 3:00 Susan Toby Evans—Evolution of the Aztec Tecpan Palace
- 3:15 Ronald Spores and Laura Diego Luna—Power and Settlement in Prehispanic and Early Spanish Colonial Yucundaa-Pueblo Viejo de Teposcolula, Oaxaca
- 3:30 Jerry D. Moore—Discussant
- 3:45 Questions and Answers

[218] SYMPOSIUM ■ MAYA HIGHLAND AND PACIFIC COAST ARCHAEOLOGY: NEW DATA, DEBATES, AND DIRECTIONS, PART 2**Room:** East Ballroom A (VCC)**Time:** 1:00 PM–4:00 PM**Chair:** Gavin Davies**Participants:**

- 1:00 Gavin Davies and Tomás Barrientos—Controlling the Flow: Interregional Interaction, Community Prosperity, and Politics at the Highland/Pacific Frontier of Lake Atitlán, Guatemala
- 1:15 Oswaldo Chinchilla—American Pompeii: Old Evidence on Late Classic Ties between the Pacific Coast and the Antigua Valley
- 1:30 David McCormick—The Obsidian Workshops at Late Classic Cotzumalguapa: Preliminary Technological and Sourcing Analyses
- 1:45 Eugenia Robinson, Geoffrey Braswell and Francisco Belli-Estrada—Interaction in the Late Classic Kaqchikel Area and Adjacent Pacific Coast: Least Cost Routes
- 2:00 Chloé Andrieu, Arthur Demarest, Paola Torres, Julien Sion and Juan Francisco Saravia—On the Frontier: Raxruha Viejo, a Late Classic Highland Exchange Center
- 2:15 Iyaxel Cojti-Ren—The Emergence of the Kaqchikel Polity: Ethnogenesis in the Postclassic Guatemalan Highlands
- 2:30 Katharine Johnson and Guido Pezzarossi—Assessing Defensibility: Geospatial Analyses of Preclassic to Colonial Highland Maya Settlement Patterns
- 2:45 Roberto Lopez Bravo and Elizabeth H. Paris—The Jovel Valley of Highland Chiapas from the Classic Period to the Postclassic Period
- 3:00 Marie Annereau-Fulbert—The Central Maya Highlands during the Postclassic: A Marginal Region on the Eve of the Spanish Conquest?

- 3:15 Alexander Rivas and Brent Woodfill—The Highland Maya Conquests of the Northern Transversal Strip from the Early Postclassic through the Twenty-First Century
3:30 Janine Gasco and Yahaira Nunez Cortes—Interaction and Exchange in Late Postclassic Xoconochco
3:45 William Fowler—Discussant

[219] SYMPOSIUM ■ LIFE AND DEATH IN ANCIENT NUBIA: ARCHAEOLOGICAL AND BIOARCHAEOLOGICAL PERSPECTIVES

Room: West Meeting Room 207 (VCC)

Time: 1:00 PM–4:15 PM

Chair: Toshia Dupras

Participants:

- 1:00 Abigail Breidenstein, Geoff Emberling, Abigail Bouwman, Frank Ruehli and Abigail Bigham—Christian Life in Medieval Nubia at el-Kurru, Sudan
1:15 Stuart Smith—Entangled Lives: Intercultural Interactions in the Nubian Borderland
1:30 Michele Buzon and Sarah Schrader—Comparison of Nubian and Egyptian Patterns of Physical Activity at New Kingdom Tombs
1:45 Tina Jakob, Joe W. Walser III, Donatella Usai and Sandro Salvatori—A View from the Periphery: Bioarchaeology and Funerary Archaeology at Al Khiday, Central Sudan
2:00 Marc Maillot—The Palace of Muweis and Its Medieval Necropolis
2:15 Yann Ardagna and Marc Maillot—The Medieval Necropolis of Mouweis (Shendi Area, Sudan): Bioarchaeological Insights
2:30 Brenda Baker—Mortuary Variability and Identity Upstream of the Fourth Cataract
2:45 Vincent Francigny: The Elite Meroitic Necropolis of Sai Island Part I—Mortuary Interpretations
3:00 Toshia Dupras, Vincent Francigny, Amanda Groff and Alex de Voogt—The Elite Meroitic Necropolis of Sai Island, Part II: Bioarchaeological Interpretations
3:15 Marcos Martinez, Alexandra Greenwald, Jelmer Eerkens, Alex de Voogt and Vincent Francigny—Inter- and Intra-individual Dietary Variation among the Agro-Pastoralist Sai Island Meroitic Population
3:30 Elizabeth Minor—One More for the Road: Beer, Sacrifice, and Commemoration in Ancient Nubian Burials of the Classic Kerma Period
3:45 Michaela Binder, Charlotte Roberts and Neal Spencer—Life in Times of Change: A Bioarchaeological Perspective on Health and Living Conditions in Upper Nubia in the Late Second and Early First Millennium BC
4:00 Questions and Answers

[220] SYMPOSIUM ■ NORTHERN SOUTH AMERICA II: MOBILITY, LANDSCAPES, AND SOCIALSCAPES

Room: East Meeting Room 8 (VCC)

Time: 1:00 PM–4:45 PM

Chairs: Ryan Hechler, Maria Ordoñez and Fernando J. Astudillo

Participants:

- 1:00 Ryan Hechler—Discussant
1:15 Brock Wiederick and Fernando J. Astudillo—Industrial Islands: Ecological Impacts of the Steam-Powered Mills of the El Progreso Plantation, Galápagos Islands
1:30 Siobhan Boyd, Zev Cossin, Samuel Connell and Ana Gonzalez—A Dynamic Social Landscape: Recent Investigations at the Hacienda Guachalá, Northern Highlands of Ecuador

- 1:45 William Barse—Orinocan Prehistory and Its Wider Relationships
2:00 Corey Herrmann—Tabuchila Ceramics of the Jama River Valley, Manabí, Ecuador
2:15 Jorge Garcia—Social Inequality as Reflected in Dietary and Mobility Practices of South American Maritime Chiefdom Societies: Contextual and Isotopic Analysis of Burials Excavated in La Tolita, Ecuador
2:30 Andres Garzon-Oechsle and Valentina Martínez—Results of Survey and Analysis of Manteño Archaeological Sites with Stone Structures in the Las Tudas River Valley, Rio Blanco, Ecuador
2:45 Valentina Martínez and Tamra Walter—The Manteño of Coastal Ecuador: A Case of Territorial Expansion in a Diverse Environment
3:00 Andrea Cuellar—Social Differentiation and Hierarchy at a Central Place in the Eastern Andes of Ecuador
3:15 Estanislao Pazmiño—Spondylus, Mounds, and Pyramids: An Approach to Social Changes in the Northern Andes of Ecuador during the Late Period
3:30 David Brown—Cochasquí in Context: The Evolution of a Monumental Center
3:45 William Pratt—Form Is Emptiness, Emptiness Is Form: Reimagining the Pyramids at Cochasquí, Ecuador
4:00 Ryan Hechler—Beyond Monumentality: Looking Past the Pyramids of Cochasquí, Ecuador
4:15 Diana Carvajal Contreras—Discussant
4:30 Questions and Answers

[221] SYMPOSIUM ■ ONGOING RESEARCH IN EURASIAN ARCHAEOLOGY: ASSESSING THE IMPLICATIONS OF NEW EVIDENCE
Room: West Meeting Room 206 (VCC)
Time: 1:00 PM–4:30 PM
Chair: Denis Sharapov

Participants:

- 1:00 Kathryn MacFarland—Landscapes of Belief: Structured Religious Practice in Iron Age Central Eurasia
1:15 Denis Sharapov—Early Polities in the Steppes: Sintashta Communities of Southern Russia
1:30 Dorcas Brown and David Anthony—Bronze Age Economy and Rituals at Krasnosamarskoe in the Russian Steppes
1:45 David Anthony—Ancient DNA analysis and the Indo-European Dispersal
2:00 Mike Teufer—The Bronze and Iron Age Sites Saridjar and Karim Berdy, Tajikistan
2:15 Gunvor Lindstroem—Torbulok: A sanctuary in the Hellenistic Far East
2:30 Elissa Bullion—Biological Diversity in Medieval Uzbekistan: Examining Community Expression under the Qarakhanid State
2:45 Gabrielle Borenstein—Motif and Milieu: Deconstructing the (Re)production of the Kura-Araxes Culture (3500–2400 BC)
3:00 Svend Hansen—Arukho: Neolithic Settlement and Ritual Place in Georgia, Southern Caucasus
3:15 Kathryn Franklin and Astghik Babajanyan—Medieval Worldbuilding and Cosmopolitics: Armenia on the Silk Road
3:30 Sabine Reinhold—Late Bronze Age in the North Caucasus: Shaping a New Culture for a New Millennium
3:45 Alan Greene—Regional Political Economies in the South Caucasus: Tracing Social Boundaries in a Eurasian Context
4:00 Udo Schlotzauer, Denis Zhuravlev, Daniel Kelterbaum, Anca Dan and Hans-Joachim Gehrke—Landscape Reconstruction at the Black Sea Coast
4:15 Michael Frachetti—Discussant

[222] GENERAL SESSION ■ ANDEAN ARCHAEOLOGY

Room: East Meeting Room 7 (VCC)

Time: 1:00 PM–4:30 PM

Chair: Brian McCray

Participants:

- 1:00 Elizabeth Currie—The Antiquity and Persistence of Traditional Health Beliefs and Practices in the Northern Andes
- 1:15 Tracy Martens—Fiber Technology from Caleta Vitor, Northern Chile
- 1:30 Brian McCray—Open Space and Restricted Action: Analysis of Intrasite Networks of Movement at Wimba, in the Northeastern Peruvian Montane Forest
- 1:45 Jose Peña—Casma Pottery Production at El Campanario Site, Huarmey Valley, Peru
- 2:00 María Albeck, María Amalia Zaburlin, Jose Luis Tolaba, Diego Martín Bassó and María Elena Tejerina—Far South: An Altiplanic Settlement in Northwestern Argentina
- 2:15 Alejandra Vidal Elgueta, Luis Felipe Hinojosa and María Fernanda Pérez—Human Selection on Maize Size Traits: A contribution from the Archaeological Record of Tarapacá, Chile, South-Central Andes
- 2:30 Jonah Augustine—Visually Linking the Ritual and the Quotidian at Tiwanaku, AD 500–1100
- 2:45 Dana Bardolph, Brian Billman, Jesus Briceno and Gabriel Prieto—Reconsidering Farming and Foraging in the Pre-Moche World
- 3:00 Mary Louise Stone—Central Andes Kotosh Religious Tradition, Third Millennium BCE: Hearth Designs as Andean Portals between Worlds
- 3:15 Jo Osborn—A Bayesian Approach to the Interpretation of Andean Faunal Assemblages
- 3:30 Christian Mesia and Sadie Weber—Evidence of Diet and Food Consumption from Chavín de Huantar during the Middle and Late Andean Formative (1200–550 BCE)
- 3:45 Gabriela Ore Menendez and Zachary Chase—From the Sky to the Andes: Intersection between Traditional Survey and Satellite Multispectral Analysis
- 4:00 Emily Sharp and Rebecca E. Bria—Ritual Violence or Simply Ritual? Evaluating the Evidence for Child Sacrifice in Late Formative Period Peru
- 4:15 Jessica Kaplan—Obsidian in the Wari Empire: Sourcing Material from the Capital Using pXRF

[223] SYMPOSIUM ■ INSIGHTS FROM INCREMENTS: ADVANCES IN GEOCHEMICAL AND MICROSCOPIC ANALYSES OF HARD TISSUES

Room: East Meeting Room 3 (VCC)

Time: 1:00 PM–4:45 PM

Chairs: Christine Bassett and Natasha Leclerc

Participants:

- 1:00 Carey Garland and Laurie Reitsema—Early Life Stress at the Late Prehistoric/Early Contact Site of Fallen Tree: Combining Enamel Defects and Incremental Isotope Analysis of Dentin to Explore Nutrition as a Source of Stress
- 1:15 Meghan Burchell—Discussant
- 1:30 C. Fred Andrus—Discussant
- 1:45 Alexander Pryor, Alistair Pike, Jirí Svoboda, Alexander Dudin and Clive Gamble—Reconstructing Paleolithic Prey Migration Using Oxygen and Laser Ablation Strontium Isotope Measurements in Tooth Enamel
- 2:00 Jillian Swift—Applications of Rat Bone Collagen Stable Isotope Analysis toward Investigating Long-Term Island Socio-Ecosystem Dynamics: Case Studies from Mangareva (French Polynesia) and Pemba Island (Zanzibar)

- 2:30 Maria Jose Rivera Araya and Suzanne Pilaar Birch—Assessing Stable Isotope Data from Archaeological White-Tailed Deer Remains as a Paleoenvironmental Proxy at the Site of La Joyanca, Northwestern Petén, Yucatán Peninsula
- 2:45 Bernd R. Schöne and Katharina Schmitt—Effects of Sample Pretreatment and Contamination on Bivalve Shell and Carrara Marble $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ Signatures
- 3:00 Ryan Harke—Sclerochronology of the Tiger Lucine Clam (*Codakia orbicularis*): Implications for Florida Keys and Northern Caribbean Archaeological Site Seasonality
- 3:15 Natasha Leclerc, Terence Clark, Gary Coupland, Bernd R. Schöne and Meghan Burchell—Shellfish, Seasonality, and Subsistence in Sechelt Inlet: Understanding Intertidal Resources with High-Resolution Bivalve Sclerochronology
- 3:30 Nicholas P. Jew, Taylor Dodrill and Scott Fitzpatrick—Stable Oxygen Isotope $\delta^{18}\text{O}$ Analysis of Crocus Clam (*Tridacna crocea*) from Palau, Micronesia: Evaluating a Proxy for Sea-Surface Temperature Reconstruction
- 3:45 Peter Müller, Philip Staudigel, Sean Murray, Hildegard Westphal and Peter Swart—Impact of Prehistoric Cooking on Proxy Signatures in Shell Midden Constituents
- 4:00 David Leslie and Kevin McBride—Warm or Cold Season of Capture? Oyster Middens from Block Island, Rhode Island
- 4:15 Niklas Hausmann and Demetrios Anglos—Making a Case for Large-Scale Seasonality Studies: Preliminary Results from the ACCELERATE Project
- 4:30 Questions and Answers

[224] SYMPOSIUM ■ BURNING LIBRARIES: ENVIRONMENTAL IMPACTS ON HERITAGE AND SCIENCE

(Sponsored by *Climate Change Strategies and the Archaeological Record Committee*)

Room: East Meeting Room 2 (VCC)

Time: 1:00 PM–5:00 PM

Chair: Thomas H. McGovern

Participants:

- 1:00 Thomas H. McGovern—Responding to Burning Libraries
- 1:15 Isabel Rivera-Collazo and Tom Dawson—Puerto Rican Cultural Heritage under Threat by Climate Change
- 1:30 Carole Nash and Heather Wholey—Climate Change and the Predicament of Archaeology in the U.S. Middle Atlantic Region
- 1:45 Hans Harmsen, Christian K. Madsen, Henning Matthiesen, Bo Elberling and Jørgen Hollesen—A Ticking Clock? Considerations for Preservation, Valuation, and Site Management of Greenland's Coastal Archaeology in the Twenty-First-Century
- 2:00 Konrad Smiarowski, Michael Nielsen and Christian K. Madsen—Norse Greenland Farms and the Loss of Organic Preservation: No More Wood, Textiles, or Bones
- 2:15 Anastasia Steffen and Rachel Loehman—Wildfires, Forests, and the Archaeological Record: Investigating Complex and Persistent Human-Landscape Legacies
- 2:30 Susan Kaplan—What to Do about Avayalik Island 1: A Remote Central Place in the Paleoeshimo World
- 2:45 Brian Bates, Walter Witschey, Craig Rose, Mary Farrell and Erin West—The Library Is on Fire, Now What? Assessing the Damage and How to Approach It: A Case Study from the Chesapeake Bay
- 3:00 Ruth Maher, Robert Friel, Lindsey Kemp, Julie Bond and Stephen Dockrill—The Potential for Georeferenced Spatial Data on Coastal Erosion Sites

- 3:15 Sarah Miller—Heritage Monitoring Scouts (HMS Florida): Engaging the Public to Monitor Heritage at Risk
- 3:30 Leslie Reeder-Myers and Torben Rick—Shell Middens and Sea Level Rise: Learning from the Past and Preparing for the Future
- 3:45 Tom Dawson, Elinor Graham and Joanna Hamblly—Community Action at Sites Threatened by Natural Processes
- 4:00 Vibeke Vandrup Martens, Michel Vorenhout, Ove Bergersen, Paula Utigard Sandvik and Jørgen Hollesen—Mitigating Climate Change Impacts on Heritage Sites?
- 4:15 Michael Heilen, Jeffrey Altschul and Friedrich Lueth—Forecasting Climate Change Impacts and Resource Values to Set Preservation and Research Priorities
- 4:30 Alice R. Kelley—Discussant
- 4:45 Anne Jensen—Discussant

[225] SYMPOSIUM ■ ANIMALS AND THE SACRED PRECINCT OF TENOCHTITLAN: BIOLOGY, ARCHAEOLOGY, HISTORY, AND CONSERVATION

Room: East Meeting Room 12 (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Ximena M. Chávez Balderas and Leonardo López Luján

Participants:

- 1:00 Mario Favila, Leonardo López Luján, Janet Nolasco Soto, María Barajas Rocha and Erika Lucero Robles Cortés—First Report of a Dung Beetle (*Canthon cyanellus* Leconte) Found in an Offering of the Great Temple of Tenochtitlan
- 1:15 Belem Zúñiga Arellano and Adrian Velazquez-Castro—The Ahauatlí Pectorals from the Offerings of the Great Temple of Tenochtitlan
- 1:30 Adriana Gaytán-Caballero, Belem Zúñiga Arellano and José Luis Villalobos Hiriart—Crustaceans as Part of the Mexica Worldview: Case Study of Offering 125 Associated to the Tlaltecuhtli Monolith
- 1:45 Leonardo López Luján, Belem Zúñiga Arellano, Francisco Solís Marín, Carolina Martín Cao Romero and Andrea Alejandra Caballero Ochoa—Starfish in the Offerings of the Great Temple of Tenochtitlan
- 2:00 Nataly Bolaño-Martínez, Oscar Uriel Mendoza-Vargas and Erika Lucero Robles-Cortés—Analysis of Elasmobranches from Offerings 126, 141, and 165 Found at the Great Temple of Tenochtitlan
- 2:15 Adriana Sanroman, María Barajas, Valeria Hernandez and Erika Lucero Robles Cortés —Conservation of Sawfish Rostra in the Great Temple of Tenochtitlan
- 2:30 Erika Lucero Robles Cortés—Crocodiles in the Offerings of the Great Temple: Use and Symbolism
- 2:45 Frances Berdan—Discussant
- 3:00 Israel Elizalde Mendez, Amaranta Argüelles Echevarría and Ximena M. Chávez Balderas—Paleopathology Analysis of Animal Bones Found inside the Templo Mayor Offerings
- 3:15 Ximena M. Chávez Balderas, Jacqueline Castro Irineo and Karina López Hernández—Representing the Underworld: Manipulation and Reuse of Animal Bones from Offering 126
- 3:30 Norma Valentin, Gilberto Pérez Roldán, Erika Lucero Robles Cortés and Israel Elizalde Mendez—Technological Analysis of Bone Bloodletting Instruments from the Offerings of the Great Temple of Tenochtitlan
- 3:45 Laura Filloy and María Olvido Moreno-Guzman—How Many Birds Does It Take to Make a Feathered Shield? The Resources and Techniques of Mexica Featherworkers
- 4:00 Alejandra Aguirre—The Symbolism of the Animals Found inside Offering 125 of the Great Temple of Tenochtitlan

- 4:15 Michelle Marlene De Anda Rogel and Fernando Carrizosa Montfort—Representations of Fauna in Mural Paintings of Tenochtitlan
4:30 Montserrat Morales and Edsel Rafael Robles Martínez—Mammals in a Colonial Context
4:45 Eduardo Matos—Discussant

**[226] SYMPOSIUM ■ ALTERNATIVE PERSPECTIVES ON THE PEOPLING OF THE NEW WORLD:
A SYMPOSIUM IN HONOR OF RUTH GRUHN, THE “FIRST LADY” OF FIRST AMERICANS STUDIES**

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

Room: East Ballroom B (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Michael Waters, Kelly Graf and Ted Goebel

Participants:

- 1:00 John W. Ives—Discussant
1:15 Ted Goebel and Kelly Graf—On the Trail of the Stemmed Point: A Circum-Pacific Perspective
1:30 Heather L. Smith—Fluted-Point Technology and the Nature of Its Transmission in the Western Canadian Ice-Free Corridor
1:45 Daryl Fedje, Duncan McLaren and Quentin Mackie—Stemmed Points and “Expedient Stone Tools”: Early Post-Glacial Archaeology on the British Columbia Coast
2:00 Loren Davis and Alex J. Nyers—Searching for the First Americans along Oregon’s Ancient Coast: New Methods and Upcoming Research
2:15 Kenneth Reid and Franklin Foit Jr.—The Western Stemmed Tradition and the Glacier Peak Eruptions: A Precautionary Tale
2:30 Dennis Jenkins—Western Stemmed Occupations of the Northern Great Basin
2:45 Michael Waters—The Emerging 13,000 to 15,000 cal yr BP Archaeological Record of North America South of the Continental Ice Sheets
3:00 Jessi Halligan and Michael Waters—Pre-Clovis Archaeology in the Frontiers of Research: Page-Ladson and the Importance of Submerged Sites to Understanding the First Americans
3:15 Carlos Lopez and Martha Cano—The Earliest Occupation of Colombia: Balance and Perspectives at the Beginning of the Twenty-First Century
3:30 Kurt Rademaker—From Los Tapiales to Cuncaicha: Terminal Pleistocene Humans in America’s High-Elevation Western Mountains
3:45 Eric Boeda, Christine Hatté, Michel Fontugne and Christelle Lahaye—Attempt of Modelization of the First Settlements in America at Pleistocene Based on the New Archaeological Sequences in Piauí (Brazil)
4:00 Gustavo Politis—Late Pleistocene Archaeology in Argentina 47 Years Later
4:15 Nora Flegenheimer and Roxana Cattáneo—Discussing Early Societies Fishtail Points and Early Social Practices Seen from the Southern Cone
4:30 Luis Borrero, Fabiana María Martín, Manuel J. San Román, Flavia Morello Repetto and Dominique Todisco—Southern Patagonia: Coastal versus Interior Human Migration
4:45 Ruth Gruhn—Discussant

[227] SYMPOSIUM ■ FRISON INSTITUTE SYMPOSIUM: THE FUTURE OF “BIG DATA” IN ARCHAEOLOGY

Room: East Ballroom C (VCC)

Time: 1:00 PM–5:00 PM

Chairs: Erick Robinson, Robert L. Kelly and Nicolas Naudinot

Participants:

- 1:00 David Anderson, David Echeverry, D. Shane Miller and Stephen Yerka—PIDBA (Paleoindian Database of the Americas): Long-Term Collaborative Research at International Scales
- 1:15 Matt Peeples, Barbara Mills and Jeffery Clark—Tackling the Big Challenges of Big Data: An Example from the U.S. Southwest
- 1:30 Andres Izeta and Roxana Cattáneo—Networking: Digital Archaeology Repositories in Argentina
- 1:45 Robert L. Kelly and Erick Robinson—The Challenges and Prospects of Developing Radiocarbon “Big Data” for the Study of Prehistoric Demography
- 2:00 James Oliver, Russell Graham and Thomas Stafford Jr.—Protecting Our Fossil Fuel: Bone Dates, Date-Assessment Protocols, and the Need for a Worldwide 14C Database
- 2:15 Andrew Martindale, Konrad Gajewski, Michelle Chaput, Pierre Vermeersch and Carley Crann—Building a Global 14C Database
- 2:30 Adam Rabinowitz, Ryan Shaw and Patrick Golden—PeriodO 2: “Big Data,” Linked Data, and the Reconciliation of Absolute Dates and Traditional Periodizations in Archaeology
- 2:45 Sean Downey and Randy Haas—Early Warning Signals of Demographic Collapse Detected in a Meta-Database of European Neolithic Radiocarbon Dates
- 3:00 Enrico Crema and Stephen Shennan—Detecting Spatially Local Deviations in Population Change Using Summed Probability Distribution of Radiocarbon Dates
- 3:15 Petro Pesonen and Miikka Tallavaara—Lidar Data and the Temporal Trends in the Frequency of Hunter-Gatherer Sites in the Northwest Coast of Finland 10,000–2000 cal BP
- 3:30 Suzanne Pilaar Birch, Russell Graham, Eric Grimm, Jessica Blois and Jack Williams—A New Stable Isotope Data Repository within the Neotoma Paleoecological Database
- 3:45 Joshua J. Wells—Waist Deep in the Big Data: How the Digital Index of North American Archaeology (DINAA) Implements Ontological and Loosely Coupled Organization around the Construct of the Archaeological Site
- 4:00 Eric Kansa and Sarah Whitcher Kansa—Big, Slow, and Linked: Toward Distributed and Scalable Data Practices in Archaeology
- 4:15 Keith Kintigh, Katherine Spielmann, K. Selçuk Canadan, Adam Brin and James DeVos—Data Integration in the Service of Synthetic Research
- 4:30 Kyle Bocinsky—“Constraint and Freedom” in the Era of Big Data
- 4:45 Julian Richards—Size Isn’t Everything: Are Our Data Good Enough to Be Big?

[228] SYMPOSIUM ■ STUDY OF HUMAN ECODYNAMICS AT TSE-WHIT-ZEN, A 2,800-YEAR-OLD LOWER ELWHA KLALLAM COASTAL VILLAGE IN WASHINGTON STATE, USA
(Sponsored by Island and Coastal Archaeology Interest Group)

Room: West Meeting Room 205 (VCC)

Time: 1:00 PM–5:00 PM

Chair: Virginia L. Butler

Participants:

- 1:00 Sarah L. Sterling, Sarah K. Campbell and Virginia L. Butler—Introduction to the Tse-whit-zem Site: Landform Evolution and Chronological Structure
- 1:15 Ian Hutchinson, Sarah L. Sterling, Virginia L. Butler and Carrie Garrison-Laney—

- Washed Away? Was Tse-whit-zen Deserted in the Aftermath of Cascadian Earthquakes?
- 1:30 Jennie Shaw—Beyond Radiocarbon: Using AMS Samples to Assess Woody Plant Use at Tse-whit-zen
- 1:45 Sarah K. Campbell, Erin Benson, Brendan Culleton and Douglas J. Kennett—Habitat Change versus Human Impact: Size and Frequency Trends in Multiple Taxa of Marine Invertebrates at Tse-whit-zen Village
- 2:00 Virginia L. Butler—On the Ecodynamics of Fisheries at Tse-whit-zen
- 2:15 Laura Syvertson and Virginia L. Butler—Assessing Response of Tse-whit-zen's Large-Bodied Fish to Environmental Change Using Sampling to Redundancy
- 2:30 Patrick W. Rennaker and Virginia L. Butler—How Were Pacific Cod at Tse-whit-zen Affected by Climate Change?
- 2:45 Reno Nims and Virginia L. Butler—Sablefish (*Anoplopoma fimbria*) and Human Ecodynamics at Tse-whit-zen and the Salish Sea
- 3:00 Kristine Bovy—Predicting and Assessing the Impact of Environmental Events on Seabirds at Tse-whit-zen Village
- 3:15 Michael Etnier—Shifting Use of Mammals at Tse-whit-zen: Response to Gradual or Catastrophic Change?
- 3:30 Joseph Sparaga, Sarah K. Campbell and Laura Phillips—Specialization, Standardization, and Opportunism: A Design Theory Perspective on the Production of Cultural Necessities at Tse-whit-zen Village
- 3:45 Carmen Watson-Charles—Discussant
- 4:00 Arlene Wheeler—Discussant
- 4:15 Frances Charles—Discussant
- 4:30 Robert Losey—Discussant
- 4:45 Ben Fitzhugh—Discussant

[229] SYMPOSIUM ■ THE SCIENCE OF ORGANIC RESIDUE ANALYSIS AND THE ART OF CULTURAL INTERPRETATION II

(Sponsored by Society for Archaeological Science and PaleoResearch Institute)

Room: East Meeting Room 1 (VCC)

Time: 1:00 PM–5:00 PM

Chair: Michelle Eusebio

Participants:

- 1:00 Sean Rafferty—Recent Research in Residue Analysis in Old World and New World Contexts
- 1:15 Lana Martin—Using Ancient Plant Macroremains to Understand Resource Consumption in the Past and Present
- 1:30 Glenna Nielsen-Grimm, Richard Terry, Bryce Brown, Deanne Matheny and Ray Matheny—Residue Analysis for Cacao in Southeastern Utah Ancestral Puebloan Ceramics, Montezuma Canyon, Utah
- 1:45 Jenna Battillo—Paleofecal Analysis from a Human Behavioral Ecology Perspective
- 2:00 Marjolein Admiraal—Organic Residues from Durable Vessels in Prehistoric Southwest Alaska
- 2:15 Maureece Levin and Floyd Silbanuz—Fire up the Uhmw: Deciphering Botanical Residues from Earth Ovens in Pohnpei, Federated States of Micronesia
- 2:30 Sheahan Bestel and Tianlong Jiao—Plant Residues from the Pre-Austronesian Tanshishan site (c. 4300 BP) and Their Interpretation
- 2:45 Rheta Lanehart, Anne P. Underhill, Robert H. Tykot, Fen Wang and Fengshi Luan—Liangchengzhen Consumption Patterns: Moving from Integrative to Competitive
- 3:00 Cathleen Hauman—Cooking Up a Storm

- 3:15 Jasminda Ceron—The Potentials of Anthracology and the Study of Archaeological Parenchyma in Vietnam Archaeology
- 3:30 Michelle Eusebio, Philip Piper, Andrew Zimmerman, T. Elliott Arnold and John Krigbaum—"Call Any Vegetable": Culinary Practices in Neolithic and Metal Age Mekong River Delta
- 3:45 Kristyn Hara—Burning Questions: An Anthracological Approach to Culture, Ecology, and Imperial Expansion at Angkor, Cambodia
- 4:00 Nathan Downey, Alan Farahani and Stephen Acabado—An Examination of Anthropogenic Burning in Old Kiyyangan Village, Ifugao
- 4:15 Kimball Banks, Linda Scott Cummings, Signe Snortland and Maria Gatto—Turning the Desert Green: Reconstructing Late Paleolithic Vegetation at Wadi Kubbaniya, Upper Egypt
- 4:30 Lisa-Marie Shillito—Discussant
- 4:45 Questions and Answers

[230] POSTER SESSION ■ ANDEAN ARCHAEOLOGY

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 230-a Weston McCool—Coping with Conflict: Defensive Strategies and Chronic Warfare in the Prehispanic Nasca Region
- 230-b Matthew Biwer—Preliminary Results of Paleoethnobotanical Analysis at Quilcapampa, a Middle Horizon Site in Arequipa, Peru
- 230-c Bryan Núñez Aparcana, Jorge Rodríguez Morales and Raúl Zambrano Anaya—An Andean Mountain Shrine: The Case of Balconcillo de Avillay, Huarochirí (Lima, Peru)
- 230-d Silvana Rosenfeld—Trade and Sacrifice: Osteometry, Skeletal Part Representation, and Paleopathology of Camelid Assemblages in the Central Andes
- 230-e Margaret Carpio, Patrick Mullins, Brian Billman and Rachael Lew—Movement and Vision: Reconstruction and Analysis of a Multi-occupation Fortified Site Complex in the Moche Valley
- 230-f Joseph Cronin, Anna Guengerich and Parker VanValkenburgh—Chacras in the Clouds: Documenting High-Altitude Agricultural Landscapes in the Tambillo Valley of Chachapoyas, Peru
- 230-g Terren Proctor and Steven A. Wernke—Mapping the Mines: Simulating Transit Routes between Mining Centers in the Colonial Andes with GIS
- 230-h Corey Bowen and John Janusek—Felines and Condors and Serpents, Oh My! Cataloging Zoomorphic Imagery in Tiwanaku Ceramics

[231] POSTER SESSION ■ SOUTH AMERICA I

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 231-a Francisco Rivera, Rodrigo Lorca, Paula González, Wilfredo Faundes and Karol González—Mineros del Alto Cielo: Social Space and Materiality during the Capitalist Expansion in the North of Chile (Ollagüe, Twentieth Century)
- 231-b Matthew Velasco, Loro Qianhui Pi and Tiffany A. Tung—Childhood Diets and Residential Mobility in the Late Intermediate Period, Colca Valley, Peru: A Study of Carbon and Oxygen Isotope Ratios from Dental Apatite
- 231-c Ashley Whitten and David Chicoine—Architecture and Spatial Organization of Urban Cercaduras at the Early Horizon Center of Caylán, Nepeña Valley, Peru

- 231-d Arman Gurule, Emily A. Schach and Jane E. Buikstra—Of Mummies and Guinea Pigs: An Analysis of Burial Contexts at Chiribaya Alta
- 231-e Corey Hoover, Patrick Mullins and Brian Billman—GIS and Drones in the Middle Moche Valley: An Analysis of Huaca Menocucho
- 231-f Michael D. Glascock—A Geochemical Database for Indigenous Ceramics from South America
- 231-g Jaime Swift, Rick J. Schulting, Juanita Oyanedel Perez, Violeta Abarca Labra and Nicole Fuenzalida Bahamondes—Precolumbian Diet and Subsistence Strategies in the Aconcagua Valley of Central Chile, from the Early Ceramic to Late Periods: Evidence from Stable Carbon ($\delta^{13}\text{C}$) and Nitrogen ($\delta^{15}\text{N}$) Isotopic Analyses
- 231-h Savanna Buehlman-Barbeau, Kristin Carline, Jennifer De Alba and Erik Marsh—Excavation and Survey in the Argentine Andes: Preliminary Field Report of the First IFR Field School in Uspallata, Mendoza
- 231-i Flavia Morello Repetto, Marta Alfonso-Durruty, Marianne Christensen, Luis Borrero and Manuel J. San Román—Cultural Interaction and Fuegian Islands Archaeology: Discussing Middle and Late Holocene (50°–55° South Latitude, Chile)
- 231-j Sonia Alconini—Fertility, Water, and Rock Art on the Inka Imperial Fringes: The Valley of Mariana and Samaipata
- 231-k Taylor MacDonald, Natasha P. Vang and Tiffiny A. Tung—Documenting Dietary Effects of Imperial Collapse and Drought: Bioarchaeology and Stable Isotope Analysis at Huari-Vegachayoq Moqo, Peru

[232] POSTER SESSION ■ SOUTH AMERICA II**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 2:00 PM–4:00 PM**Participants:**

- 232-a Kirk Costion and Donna Nash—Ceramic Differences at the Household/Neighborhood Level at Cerro Mejía: Evidence of a Possible Multiethnic “Mitmaquna” Community on the Southern Frontier of the Wari Empire
- 232-b Laura Van Voorhis, Valentina Martinez, Nicole Jastremski and John Krigbaum—Isoptes of Coastal Ecuador
- 232-c Amy Klemmer—Preliminary Faunal Analysis at the Coastal Site of Rio Chico, Ecuador (OMJPLP-170)
- 232-d Elizabeth Pintar and Nora V. Franco—Hunter-Gatherer Home Ranges in Arid Environments: Exploring Some of the Differences and Similarities
- 232-e Jordan Dalton and Nathaly Damián Domínguez—Inca Presence at Las Huacas, Chincha Valley
- 232-f Carolina Belmar and Andrea Troncoso—Residues Analysis of Bedrock Mortars of the Limarí River Valley (Ivth Region, Chile): Evaluating Plant Exploitation among Late Holocene Hunter-Gatherers
- 232-g Roberta Boczkiewicz and Jean Hudson—Otolith Metrics and Fishing Strategies on the North Coast of Peru
- 232-h M. Elizabeth Grávalos and Rebecca E. Bria—Preliminary Compositional Analysis of Raw Clays and Ceramic Pastes from the Callejón de Huaylas, Highland Ancash, Peru (ca. 200–800 CE)
- 232-i Jean Hudson and Roberta Boczkiewicz—Rooms, Compounds, Alley Dumps, and Neighborhoods: Intrasite Zooarchaeology on Peru’s North Coast
- 232-j Hannah Matulek and Paul Nick Kardulias—An Examination of Ancestry: Exploring the Peopling of the Americas through Paleoindian Cranial Indices in Comparison with the Howells Collection
- 232-k Sophie Reilly—Plants in Ancient Pots: A Comparative Study of Paleoethnobotanical Results from Unwashed and Washed Ceramics

[233] POSTER SESSION ■ SOUTH AMERICA III

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 233-a Ryan Smith—Understanding an Alternative Pattern of Coalescence: A Study of Architecture and Organization at a Non-fortified, Pre-Inca Town in Highland Peru
- 233-b Melissa Litschi and Alexia Moretti—Remote-Sensing Prospection of Recuay Architecture in the Jancu Region, Callejón de Huaylas, Peru
- 233-c Manuel J. San Román, Victor Sierpe, Jimena Torres, Cristóbal Palacios and Marianne Christensen—New Information on Marine Hunter-Gatherers of the Southernmost End of South America: Technological and Zooarchaeological Study of Site Bahía Mejillones 45, Chile
- 233-d Benjamin Schaefer, Bethany L. Turner and Haagen D. Klaus—Sacrifice Reconsidered: Interpreting Stress from Archaeological Hair at Huaca de los Sacrificios
- 233-e Felipe Gonzalez-Macqueen, Giles Spence-Morrow, Peter Bikoulis, Willy Yépez Álvarez and Justin Jennings—Spatial Analysis of Geoglyphs in the Sihuas Valley, Peru
- 233-f Shimaine Clem, Emily A. Schach and Jane E. Buikstra—The Gendering of Children at Chiribaya Alta
- 233-g Thomas Blennerhassett—Faces of the Feast: The Spatial Organization of Face-Neck Jars in the Jequetepeque Valley, Peru
- 233-h Shannon Lowman, Nicola Sharratt and Bethany L. Turner—Social Transition at Tumilaca la Chimba: A Bioarchaeological Analysis of Terminal Middle Horizon and Late Intermediate Period Mortuary Contexts
- 233-i Sheridan Lea, Natasha P. Vang and Tiffiny A. Tung—Rural Life during and after the Fall of the Wari Empire: A Stable Isotope Analysis of Childhood Diet and Geographical Origins at the Village of Qasa Pampa, Ayacucho, Peru
- 233-j Ema Perea, Karla Patroni, Luis Jaime Castillo and Luis Muro—Lambayeque Burials in Huaca la Capilla—San Jose de Moro Site
- 233-k Paul Pluta—Cultural Responses to Climate Changes in Preceramic Coastal Peru

[234] POSTER SESSION ■ EUROPE III

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 2:00 PM–4:00 PM

Participants:

- 234-a Amalia Perez-Juez, Kathryn Ness, Ricardo Elia, Meredith Anderson Langlitz and Ilaria Patania—Reconstructing Naval and Shipping Connections through Ceramic Analysis from Isla del Rey, Menorca, Spain
- 234-b Alena Wigodner—Being a Woman in Roman Gaul: Gendered Votive Offerings in a Colonial Context
- 234-c Anna Tremblay and Daniel E. Ehrlich—7 × 105 Dimensions of Pottery: Multivariate Analyses of Pottery Assemblages from the Lower Town Site of Mycenae, Greece
- 234-d Phoebe Yates—The Ottoman Rule of Athens and How It Shaped the Topography of the Acropolis
- 234-e Paul Nick Kardulias and Drosos N. Kardulias—Fluid Ethnoarchaeology: A Study of British-Era Water Fountains in Athienou, Cyprus
- 234-f William Ridge—On We Sweep with Thrashing Oar: Interaction Networks in Aegean Prehistory
- 234-g Wendy Cegielski—Chronology and Social Process in Bronze Age Spain

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

- 235-a Melissa Clark—Interpreting the Archaeology of Pregnancy Loss
235-b Sharon DeWitte—Sex Differences in Pre- versus Post-Black Death Trends in Developmental Stress Markers
235-c Marija Edinborough, Sarah Fearn, Imre Lengyel, Dusan Boric and Kevan Edinborough—Life History from Human Teeth Microstructure: Methods for the Analysis of Hydroxyapatite from Tooth Cementum
235-d Luisa Marinho, Shera Fisk, Ellie Gooderham, Laure Spake and Hugo Cardoso—The Effects of Bilateral Asymmetry in Long Bone Length on Juvenile Age Predictions
235-e John Albanese—Skeletal Evidence Suggesting Biological Continuity in the Ruling Lineage throughout the Late Helladic, Sub-Mycenaean, and into the Dark Ages on the Greek Island of Kefalonia
235-f Agata Kostrzewska—Will Your Childhood Years Kill You Earlier? A Study Exploring the Relationship between Height, Stress, and Age at Death
235-g Ellie Gooderham, Luisa Marinho, Laure Spake, Shera Fisk and Ana Luisa Santos—Severe Skeletal Lesions and Loss of Bone Mass in a Child Associated with a Case of Spinal Tuberculosis and Prolonged Immobilization

[236] GENERAL SESSION ■ CURRENT RESEARCH IN MESOAMERICAN ARCHAEOLOGY I**Room:** West Meeting Room 204 (VCC)**Time:** 2:30 PM–5:00 PM**Chair:** Leah McCurdy**Participants:**

- 2:30 Jessica MacLellan and Daniela Triadan—Child Burials and Figurines at a Terminal Classic Maya Household, Ceibal, Guatemala
2:45 Sydney Lonaker, Julie Hoggarth and Jaime Awe—Methods for Intensive Data Collection on Terminal Deposits in the Belize River Valley, Belize
3:00 Yamile Lira-Lopez—Cerámica Mayólica en un Sitio Posclásico del Valle Intermontano de Maltrata, Veracruz
3:15 Leah McCurdy—Solid Foundations: Practical and Symbolic Significance of Bedrock at El Castillo Acropolis of Xunantunich, Belize, in the Maya Central Lowlands
3:30 Akira Ichikawa—A Revised Chronology of the Southeastern Maya Area: An Evaluation of New and Existing Radiocarbon Dates from the Preclassic to Postclassic Period
3:45 Jonathan Rosas—¿Un Jorobado Enano? Una Pintura de Bóveda en el Sitio Arqueológico de Sacnicté, Yucatán
4:00 Meaghan Peuramaki-Brown and Linda Howie—Precolumbian Ceramics in East-Central Belize: A Petrographic Characterization Study
4:15 Catharina Santasilia—Exploring Ceramic Variability at Tlatilco, Mexico
4:30 Misaki Fukaya and Nobuyuki Ito—Estudio Cronológico de Chalchuapa, El Salvador a través del Análisis Cerámica del Período Preclásico
4:45 Luis Gomez-Gastelum, Víctor Landa-Jaime and Emilio Michel-Morfin—Conquiliología en Arqueología, o “Cómo Trabajar Materiales Arqueológicos de Concha Sin Morir en el Intento”

[237] SYMPOSIUM ■ CASAS GRANDES: ADDRESSING KEY ISSUES OF CHRONOLOGY, CULTURE CHANGE, SOCIAL ORGANIZATION, AND EXCHANGE**Room:** East Meeting Room 10 (VCC)**Time:** 2:45 PM–5:00 PM**Chairs:** Adrienne Offenbecker and Kyle Waller**Participants:**

- 2:45 Michael Searcy, Todd Pitezel and Eric Christiansen—Sourcing Basalt from the Santiago Quarry in Chihuahua, Mexico Using XRF
- 3:00 Emma Britton, George Gehrels and Mark Pecha—Results of a New Method for Characterizing Casas Grandes Polychromes
- 3:15 Andrew Krug, Andrew Fernandez, Brenton Willhite, Christine VanPool and Clayton Blodgett—From Plain Wares to Polychromes: A Geospatial Evaluation of Ceramics in the Casas Grandes Region
- 3:30 Andrew Fernandez—I Know Why the Caged Parrot Squawks: A Distributional Analysis of Casas Grandes Macaw Cage Stones and the Organization of a Ceremonial Industry
- 3:45 Mary A. Katzenberg, Jane H. Kelley, Adrienne Offenbecker, Cormac McSparron and Paula Reimer—New AMS Dates for Paquimé, Northern Chihuahua, Mexico
- 4:00 Adrienne Offenbecker, Kyle Waller, Jane H. Kelley and Mary A. Katzenberg—Culture Change at Casas Grandes: New Perspectives from Bioarchaeological Analyses
- 4:15 Kyle Waller and Adrienne Offenbecker—Bioarchaeological Approaches to Kinship and Social Organization at Paquimé
- 4:30 Thatcher Rogers and Elizabeth Peterson—From Medio to Missionization: A Comparison of Lithic Technology in the Casas Grandes Valley into the Protohistoric Period
- 4:45 Questions and Answers

[238] SYMPOSIUM ■ ECOLOGICAL ADAPTATIONS AND NEW FORMS OF PASTORALISM? NEW INSIGHTS INTO HERDING PRACTICES IN THE ANDES DURING THE PREHISPANIC TIMES**Room:** East Meeting Room 17 (VCC)**Time:** 2:45 PM–5:00 PM**Chairs:** Nicolas Goepfert and Elise Dufour**Participants:**

- 2:45 Nicolas Goepfert, Gabriel Prieto and John Verano—Herds for Gods? Sacrifice and Camelids Management during the Chimú Period
- 3:00 Elise Dufour, Nicolas Goepfert, Gabriel Prieto and John Verano—Geographic Origin of Sacrificed Camelids at Huanchaquito (Chimú Period, Northern Coast of Peru): Insight from Stable Isotopic Analysis
- 3:15 Matthieu Le Bally, Nicolas Goepfert, Gabriel Prieto and John Verano—Gastrointestinal Parasites of the Camelids of the Archaeological Site of Huanchaquito (Peru): First Results
- 3:30 Aleksa Alaica—The Health of the Herd: Considering Camelid Herding from Late Moche Peru
- 3:45 Kazuhiro Uzawa, Mai Takigami and Yuji Seki—Beginning of Camelid Breeding during the Formative Period at the Pacopampa site, Peru
- 4:00 Sadie Weber—Life on the “Periphery”: Pastoralism at Atalla
- 4:15 Susan deFrance—The Political Ecology of Camelid Pastoralism by Wari and Tiwanaku Colonists in the Moquegua Valley, Peru
- 4:30 Kevin Lane and Jennifer Grant—Pastoralisms of the Andes: A Southern and Central Andean Perspective
- 4:45 Celeste Samec, Hugo Yacobaccio and Héctor Panarello—Assessing Prehistoric Herding Strategies through Stable Isotope Analysis: A Case Study from the Dry Puna of Argentina

- [239] **FORUM ■ ARCHIVING US: COLLECTING ORAL HISTORIES FOR TOMORROW'S HISTORY OF AMERICAN ARCHAEOLOGY**
(Sponsored by History of Archaeology Interest Group)
Room: East Meeting Room 5 (VCC)
Time: 3:00 PM–5:00 PM
Moderator: Dana B. Oswald

Participants:

Katie V. Kirakosian—Discussant
Bernard Means—Discussant
Dana B. Oswald—Discussant

- [240] **SYMPOSIUM ■ WHEEL OF FORTUNE: CERAMIC ANALYSIS AND THE STUDY OF TECHNOLOGY, EXCHANGE, AND SOCIOPOLITICAL CHANGE IN THE MEDITERRANEAN AND GREATER NEAR EAST**
Room: West Meeting Room 209 (VCC)
Time: 3:00 PM–5:00 PM
Chair: Christine Johnston

Participants:

- 3:00 Trevor Van Damme—Transport Stirrup Jars in Context: Post-palatial Politics and Social Resilience in Late Bronze Age Greece
3:15 Sonali Gupta-agarwal—Keepers of Tradition, Harbingers of Change: Tracing Communities of Practice through Archaeological Ceramics
3:30 Megan Daniels, Justin Leidwanger, Elizabeth Greene and Numan Tuna—A Finer View of Regional Sociopolitical and Economic Change in the Southeast Aegean: Ceramic Production along the Datça Peninsula
3:45 Questions and Answers
4:00 Dennis Braekmans, Brett Kaufman, Hans Barnard and Ali Drine—Provenance and Distribution of Neo-Punic Ceramics at Zita, Southern Tunisia, and Beyond
4:15 Christine Johnston—Reinventing by the Wheel: Ceramic Networks and New Approaches to the Study of Political Economies
4:30 Jacob Damm—Consumption Preferences at the Collapse of Empire: The Case of New Kingdom Jaffa
4:45 Mara Horowitz—You Are How You Eat: Changes in Dining Style and Society at Late Bronze I Alalakh

- [241] **GENERAL SESSION ■ EASTERN WOODLANDS ARCHAEOLOGY**
Room: West Meeting Room 203 (VCC)
Time: 3:15 PM–5:00 PM
Chair: Jason King

Participants:

- 3:15 Luke Stroth—The Effect of Raw Material on Technological Organization and Recycling Practices in a Late Woodland Rockshelter
3:30 Taylor Thornton, Jason King, Jason Herrmann and Jane E. Buikstra—Marking and Maintaining Empty Spaces: A View from the Golden Eagle Site
3:45 C. Trevor Duke and Martin Menz—Economic Intensification and Social Differentiation: A View from the Late Woodland Southeast
4:00 Cayla Colclasure, Martin Walker and David Anderson—Defining the Local Experience: A Distributional Analysis of Late Prehistoric Activities at the Topper Site (38AL23)
4:15 Jason King and Jane E. Buikstra—Sculpting, Renewal, and Perdurance of Illinois Hopewell Mounds
4:30 S. Andrew Wise—Midden Muddle

- 4:45 Timothy Everhart—Woodland Systematics and Monumentality: A Preliminary Discussion of the Rediscovery of the Caldwell Mound

[242] SYMPOSIUM ■ MAKING A “-CENE”: ARCHAEOLOGY, POLITICS, AND THE ANTHROPOCENE

Room: East Meeting Room 19 (VCC)

Time: 3:30 PM–5:00 PM

Chair: Hannah Chazin

Participants:

- 3:30 Andrew Bauer and Erle Ellis—The Anthropocene Divide: Obscuring Our Understanding of Socio-Environmental History
- 3:45 Sarah Baires—The Politics of Urbanization and the Anthropocene: A View from Cahokia
- 4:00 Catherine Kearns—On Some Classical Roots of the Anthropocene: Where Does Mediterranean Archaeology Belong?
- 4:15 Mary Weismantel—Ontologies of Water: Intensities and Magnitudes
- 4:30 Matthew Knisley—Deep Time versus Archaeological Time: Disentangling Stratigraphy, Periodization, and Historical Narrative
- 4:45 Hannah Chazin—Is the Anthropocene a Beastly Problem? Thoughts on Human-Animal Relationships and Contemporary Narratives of Change

[243] GENERAL SESSION ■ MAPPING THE MAYA WORLD

Room: East Meeting Room 14 (VCC)

Time: 3:30 PM–5:00 PM

Chair: Eric Fries

Participants:

- 3:30 Thomas Harold Guderjan, Sara Eshleman, Justin Telepak, Samantha Krause and Timothy Beach—Que Linda Vista! The First Glance at Lidar from Northwestern Belize
- 3:45 Shane Montgomery and Jaime Awe—Beneath the Blue-Green Trees: Understanding the Built Environment of Yaxox through Lidar Analysis
- 4:00 William Ringle, Tomás Gallareta Negrón and Dan Griffin—Lidar-Aided Ground Survey in the Puuc Hills, Yucatán, Mexico
- 4:15 Verna Gentil, Elijah J. Hermitt, Jeffery B. Glover and Dominique Rissolo—Recent Investigations at the Ancient Maya Port Site of Conil, Quintana Roo, Mexico
- 4:30 Eric Fries and John Morris—What Lies between Two Regions: Settlement and Landscape Archaeology at the Aguacate Sites, Belize
- 4:45 Samantha Krause, Timothy Beach, Sheryl Luzzadde-Beach, Thomas Harold Guderjan and Colin Doyle—New Frontiers in Wetland Archaeology: Mapping Maya Agricultural Systems with Lidar

[244] GENERAL SESSION ■ ZOOARCHAEOLOGY OF THE ANCIENT NEAR EAST

Room: East Meeting Room 9 (VCC)

Time: 3:30 PM–5:00 PM

Chair: Hannah Lau

Participants:

- 3:30 Max Price—Animal Husbandry at Late Chalcolithic Tell Surezha (Iraqi Kurdistan)
- 3:45 Siavash Samei, Deborah Olszewski and Natalie Munro—Zooarchaeological Investigation of Late Pleistocene Subsistence Adaptations in Iran
- 4:00 Kathryn Grossman—Animals and Urbanization in Northern Mesopotamia: Late Chalcolithic Faunal Remains from Hamoukar, Syria

- 4:15 Hannah Lau—Experimentations in Social Complexity: The Halaf Period and Evidence from Domuztepe
4:30 Miriam Belmaker and Ekaterina Sevastakis—Taphonomic Analysis of the Small Mammal Assemblage of Hayonim E: Implications for Paleoecology of the Southern Levant during MIS 6
4:45 Stephen Rhodes—Early Holocene Taphonomy of Nachcharini Cave, Lebanon

[245] GENERAL SESSION ■ “US” AND “THEM”: THE BIOARCHAEOLOGY OF BELONGING
Room: East Meeting Room 11 (VCC)
Time: 3:30 PM–5:00 PM
Chair: Katharine Kolpan

Participants:

- 3:30 Kent Johnson—Multiethnic Colonial Communities and Endogamy: Evaluating the Dual Diaspora Model of Moquegua Tiwanaku Social Organization
4:00 Kristina Solis—Strontium Stable Isotope Ratio Analysis of the Loma Sandia Archaic Period Mortuary Site of South Texas
4:15 Katharine Kolpan—If the Dead Could Return: The Politics of World War II-Era Human Remains in Eastern Europe
4:30 Sarah E. Hoffman—Place, Practice, and Pathology: Dental Pathology in Medieval Iceland
4:45 Vaughan Grimes, Alison J T Harris, Ana T. Duggan, Stephanie Marciniak and Hendrik Poinar—Strontium and Oxygen Isotope Evidence for Maritime Archaic Mobility Patterns at the Site of Port Au Choix-3, Newfoundland

[246] GENERAL SESSION ■ PUBLIC ARCHAEOLOGY II
Room: East Meeting Room 20 (VCC)
Time: 3:30 PM–5:00 PM
Chair: Anabella Coronado

Participants:

- 3:30 Karin Steuber, Tomasin Playford and Biron Ebell—Saving the Best 'til Last (Day in the Field): The Farr Site Community Archaeology Project
3:45 Kevin M. O'Briant—Make History: Public Archaeology as a Way of Life
4:00 Amalia Nuevo Delaunay and Javiera Letelier Cosmelli—Archaeology of Smoking Behaviors on Public Parks of Santiago, Chile
4:15 Theo Shaheen-McConnell—Crystal Creek Water Ditch: From Past to Present and Future
4:30 Anna Schneider—“The Best Conference I've Ever Been To”: A Case Study in Science Communication Training
4:45 Lisa Milosavljevic—The Archaeologist's Guide to Visual Communications

[247] GENERAL SESSION ■ REPATRIATION ISSUES AND OPTIONS FOR MUSEUMS AND COLLECTIONS MANAGEMENT
Room: East Meeting Room 18 (VCC)
Time: 3:45 PM–5:00 PM
Chair: Chelsea Meloche

Participants:

- 3:45 Lindsay Foreman—CRM Archaeology and Collections Management: A Comparison between Two Canadian Provinces

- 4:00 Eve Dewan—Repatriation in Rhode Island: NAGPRA in Practice at a New England Museum
4:15 Chelsea Meloche—Finding Skeletons in Our Closets: Legacy Collections and Repatriation
4:30 Marie Johnson—if It Were Your Grandma: A Tribal Perspective on NAGPRA in Utah
4:45 Genevieve Hill—Archaeological Repositories in British Columbia

[248] GENERAL SESSION ■ RECENT ZOOARCHAEOLOGICAL RESEARCH II

Room: East Meeting Room 4 (VCC)

Time: 3:45 PM–5:00 PM

Chair: Sarah Ledogar

Participants:

- 3:45 Sarah Ledogar and Jessica Watson—Testing the Effectiveness of 2D Morphometric Data for Identifying Species in Galliformes
4:00 Cassidee A. Thornhill—*Equus ferus caballus* during the Protohistoric in Wyoming: Looking for the Horse in the Archaeological Record
4:15 Anna Goldfield—The Fat of the Land: An Energetics Approach to Paleolithic Bone Fat Exploitation
4:30 Stefanie Smith—Privy Perspectives: The Zooarchaeology of Urban Mobile and Its Nineteenth-Century Occupants
4:45 Jenna Carlson Dietmeier—Carolina's Cattle: Eighteenth-Century Livestock Production at Drayton Hall

[249] GENERAL SESSION ■ DATING DEVELOPMENTS IN NORTH AMERICA

Room: East Meeting Room 16 (VCC)

Time: 3:45 PM–5:00 PM

Chair: Kenneth Tankersley

Participants:

- 3:45 Deborah Roman—New AMS Dating Sequences for the Chumash Ventureno Early Period: Revisiting the Question of Antiquity of Ventureno Chumash Inland Occupation
4:00 Michael Strezewski and Darrin Rubino—Dendrochronological Dating of a Burned Native American Structure at Fort Ouiatenon, Indiana
4:15 Kenneth Tankersley—Removal of Coal Contaminants from Chaco Canyon Radiocarbon Samples
4:30 Courtney Boren—OSL Dating and Chronology in Pensacola, Florida's Contact Period
4:45 Scott Kremkau, Andrew Yatsko and Kenneth Becker—Revisiting San Clemente Island's Radiocarbon History

Saturday Morning ■ April 1, 2017**[250] GENERAL SESSION ■ REMOTE SENSING METHODS IN ARCHAEOLOGY I****Room:** East Meeting Room 10 (VCC)**Time:** 8:00 AM–9:00 AM**Chair:** John T Dorwin**Participants:**

- 8:00 John T Dorwin—Remote Sensing at 45PO435, the South Flying Goose Site
8:15 Arnau Garcia, Hector A. Orenco, Athanasia Krahotopoulou and Anastasia Dimoula—The Kambos Project: Remote Sensing Applications and Archaeological Approaches for the Reconstruction of the Disappeared Cultural Record of the Western Thessalian Plain
8:30 Paul Buck and Donald Sabol—Sub-Pixel Detection of Obsidian and Pottery by NASA Satellite and Aircraft Data
8:45 Juliette Mitchell and Dave Cowley—Using Multiple Techniques to Assess the Crop Marks of Early Medieval Barrow Cemeteries in Scotland

[251] SYMPOSIUM ■ ENVIRONMENTAL REBOUND IN THE PROTOHISTORIC AMERICAS:**UNTANGLING CAUSE AND EFFECT****Room:** East Meeting Room 3 (VCC)**Time:** 8:00 AM–9:45 AM**Chair:** Jacob Fisher**Participants:**

- 8:00 Emily Lena Jones—Testing for Environmental Rebound: Untangling a Multicausal Event
8:15 Christopher T. Fisher and Michelle Elliott—The Environmental Conquest of West Mexico: The Lake Pátzcuaro and Malpaso Valley Case Studies
8:30 Laura Steele, Emily Lena Jones and Jonathan Dombrosky—Rebound, Stress, Persistence, or Subsistence? The Pre-Pueblo Revolt Fauna from Isleta Mission Convento
8:45 Kasey Cole and Frank Bayham—Artiodactyl Exploitation in Northeastern California during the Terminal Prehistoric/Protohistoric Time Periods: Evidence of Environmental Rebound?
9:00 Jacob Fisher—Demographic Collapse and Deintensification in Protohistoric Alta California
9:15 Todd Braje—Trophic Cascades, Kelp Forest Dysfunction, and the Genesis of Commercial Abalone (*Haliotis* spp.) Fishing in California
9:30 Ann Ramenofsky—Discussant

[252] GENERAL SESSION ■ MORTUARY PRACTICES AND FUNERARY ARCHAEOLOGY I**Room:** East Meeting Room 17 (VCC)**Time:** 8:00 AM–9:45 AM**Chair:** Derek O'Neill**Participants:**

- 8:00 Lorena Medina Martínez, Raúl Barrera Rodríguez and José María García Guerrero—Hallazgo de la Tumba de Miguel de Palomares
8:15 Robert Sattler, Thomas Gillispie, Carrin Halfmann and Angela Younie—Tochak-McGrath Discovery: Three Precontact Individuals from the Upper Kuskokwim River, Alaska
8:30 Janling Fu, Sherry Fox, Rachel Kalisher, Kathryn Marklein and Adam Aja—The Philistine Cemetery at Ashkelon: Funerary Remains and Mortuary Practice
8:45 Derek O'Neill—Mortuary Archaeology, Burial Practices, and Defining the Prehistoric Funerary Landscape on the Sunshine Coast, British Columbia

- 9:00 Megan Willison—Two-Spirits or Changing Gender Roles? An Investigation of Mortuary Remains in Southern New England
9:15 Gabriel van der Pluijm—True Potential: A Database on Osteological Material in Nicaragua
9:30 Anne Birgitte Gebauer—A Megalithic Cemetery with a Cult House in Early Neolithic Denmark

[253] FORUM ■ ADVANCEMENTS AND PROSPECTS IN GEOARCHAEOLOGY TODAY: THE SAA GIG AT 20, PART 3

(Sponsored by Geoarchaeology Interest Group)

Room: East Meeting Room 20 (VCC)

Time: 8:00 AM–10:00 AM

Moderator: Kara A. Fulton

Participants:

Ian Buvit—Discussant
Julie Esdale—Discussant
Mike Carson—Discussant
Amy Schott—Discussant
Justin Carlson—Discussant
Cynthia M. Fadem—Discussant
Rolfe Mandel—Discussant

[254] FORUM ■ RADIOCARBON AND ARCHAEOLOGY: DEVELOPING FRUITFUL

COLLABORATIVE RELATIONSHIPS

Room: East Meeting Room 4 (VCC)

Time: 8:00 AM–10:00 AM

Moderator: Derek Hamilton

Participants:

Ian Armit—Discussant
Christopher Bronk Ramsey—Discussant
Thomas Dye—Discussant
Carla Hadden—Discussant
Greg Hodgins—Discussant
Anthony Krus—Discussant
Rick J. Schulting—Discussant

[255] FORUM ■ READING BETWEEN THE LINES: CHALLENGES IN IDENTIFYING,

DOCUMENTING, INTERPRETING, AND MANAGING LINEAR CULTURAL RESOURCES

Room: East Meeting Room 5 (VCC)

Time: 8:00 AM–10:00 AM

Moderators: Lauren Jelinek and Mary-Ellen Walsh

Participants:

David Cushman—Discussant
Elisabeth Cutright-Smith—Discussant
Kurt E. Dongoske—Discussant
Kelly Jenks—Discussant
Jill Jensen—Discussant
Thomas Jones—Discussant
David Legare—Discussant

[256] FORUM ■ DO DATA STOP AT THE 49TH PARALLEL? THE STATE OF ARCHAEOLOGICAL DATABASES DIGITAL METHODOLOGIES, HERITAGE MANAGEMENT, AND RESEARCH COLLABORATION THROUGH CANADA AND THE UNITED STATES*(Sponsored by Digital Data Interest Group)***Room:** East Meeting Room 7 (VCC)**Time:** 8:00 AM–10:00 AM**Moderator:** Joshua J. Wells**Participants:**

David Anderson—Discussant

Terence Clark—Discussant

Carley Crann—Discussant

John Doershuk—Discussant

Neal Ferris—Discussant

Erick Robinson—Discussant

Jolene Smith—Discussant

Gary Warrick—Discussant

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

257-a Shelby Anderson, Thomas Brown, Justin Junge and Jonathan Duelks—Exploring the Development and Spread of Arctic Maritime Traditions through Bayesian Radiocarbon Analysis

257-b Joshua Howard, Caroline Funk, Debra Corbett, Brian Hoffman and Ariel Taivalkoski—Cutmarks on Prehistoric Alcidae Tibiotarsi in the Rat Islands, Aleutian Islands, Alaska

257-c Dougless Skinner and Kristen Barnett—Togiak Archaeological and Paleoecological Project: Exploring Relationships and Ecology at the Old Togiak Village

257-d Jill Baxter-McIntosh, Crystal C. Glassburn, Robert C. Bowman and Morgan R. Blanchard—Tales from the Trench: An Analysis of Artifacts Salvaged from Two Western Thule Sites in Kotzebue, Alaska

257-e Joseph Keeney and Robert C. Bowman—Testing Potential Archaeological Applications for Surficial Magnetic Susceptibility Probes in Shallow Depositional Environments: A Study from Agiak Lake in Alaska's Brooks Range

257-f Brooks Lawler—Preliminary Insights into Prehistoric Toolstone Preference of Two Igneous Materials in the Tanana River Drainage, Interior Alaska

257-g Katie McHugh Bonham, Christyann M. Darwent and John Darwent—A Thousand Years of Bone-Tool Production at Shaktoolik, Alaska

257-h Philip Fisher—Late Pleistocene and Early Holocene Alaska: Placing Archaeological Data on Projected Paleoecological Landscapes

257-i Thomas Urban, Linda Chisolm, Sturt Manning, Jeffrey Rasic and Andrew H. Tremayne—Geophysical Investigations of Archaeological Sites in Alaska's National Parks and Preserves: 2016 Field Season

[258] POSTER SESSION ■ NORTH AMERICA: CANADA**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

258-a Amy St. John—Micro Computed Tomography in Archaeological Ceramic Studies: A Case Study on Ontario Late Woodland Borderlands

- 258-b Shera Fisk, Laure Spake, Luisa Marinho, Ellie Gooderham and Hugo Cardoso—The Use of Dental and Skeletal Indicators to Predict the Age of Menarche from Juvenile Human Skeletal Remains
- 258-c Julian Henao and Suzanne Villeneuve—Advancing the Analysis of Complex Stratigraphy and House Life Histories at Keatley Creek on the Northwestern Canadian Plateau
- 258-d Mary Compton—Making Meaning from 3D Models and 3D Prints: A Case Study Using Archaeological Objects from Southwestern Ontario
- 258-e Jennifer Halliday—Assessing Age-Related Changes in the Strength of Relationship for Dental, Skeletal, and Chronological Age Using Bivariate Correlations.
- 258-f Thomas Royle and Dongya Yang—Ancient DNA Analysis of Fish Remains from Charlie Lake Cave (HbRf-39), British Columbia, Canada
- 258-g Hillary Kiazyk—Archaeology, Accessibility, and 3D Imaging
- 258-h Catherine Jalbert—Archaeology and the Social Sciences and Humanities Research Council (SSHRC): A Gendered Analysis of Federal Funding in Canada, Fiscal Years 1994–2014
- 258-i Joseph Hepburn, Brian Chisholm and Michael P. Richards—Isotopic Perspectives on Spatial and Temporal Variability in British Columbia Paleodiet

[259] POSTER SESSION ■ NORTH AMERICA: MID-ATLANTIC

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 259-a Charles Boyd and Donna Boyd—The New Role of Archaeology in Forensic Science
- 259-b Danielle Cannon, Carly Plesic and Khori Newlander—Provenance Analysis of Pottery Sherds from an Early Nineteenth-Century Milling Village in Northeast Pennsylvania
- 259-c Becca Peixotto, Ella Beaujouin and Emily Duncan—Snake Chaps and Shapefiles: Public Lidar as a Tool for Archaeological Exploration in Mid-Atlantic Wetlands
- 259-d Elizabeth Sawyer and Katelyn Coughlan—Evaluating the Effects of Time Averaged Deposits on Archaeological Chronologies

[260] POSTER SESSION ■ NORTH AMERICA: NORTHEAST I

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 260-a Elic Weitzel and Daniel Plekhov—Contact-Period Settlement Changes in Eastern North America: A Test of the Ideal Free and Ideal Despotic Distribution Models
- 260-b Katherine Peresolak—Advocating for the Morrow Jones Cabin: Archaeological Investigations at a Historic Homestead
- 260-c Moriah McKenna and Anthony Graesch—Anthropogenic Landscapes in Southern New England: An Archaeological Investigation of Farming Practices on an Eighteenth-Century Colonial Farmstead in Southeastern Connecticut
- 260-d Sara Wingert and Khori Newlander—Missing the Point: Identifying Perishable Projectiles in the Archaeological Record
- 260-e Michelle Carpenter—An Analysis of the Jamestown Diet
- 260-f Daniel Cassedy—Archaeology of British Military Logistics in the French and Indian War
- 260-g Katherine Dillon—A Depositional Analysis of Pit Features at the Pocumtuck Fort

- 260-h Matthew Moriarty—The Galick Site: Initial Investigations at a Precontact Site on the Vermont Shore of Lake Champlain
- 260-i Alicia Hawkins and Suzanne Needs-Howarth—Diagnostic Elements and Interobserver Variation in the Identification of Fish Bones
- 260-j Sara Belkin and Daniel Plekhov—Potential for Spatial “Big Data” in Historical Archaeology: A Demonstration of Methods and Results
- 260-k James Miller—Porcelain and White Salt Glazed Stoneware at Hanna’s Town
- 260-l Martin Welker and Rebecca Duggan—A Comparison of Dog Shoulder Height in European and Native American Contexts
- 260-m Caitlin Downey, Sydney Hanson, Molly Carney and Jade d’Alpoim Guedes—Paleoethnobotany in Undergraduate Research
- 260-n Anthony Graesch and Corbin Maynard—An Archaeology of Illegal Garbage Dumping in the Twenty-First Century

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

- 261-a Anisa Mara—Prehistoric Pottery Production and Distribution in the Shkodër Region of Northern Albania
- 261-b Emily Dawson, Alexandria Mitchem, Fabian Toro and Chantel White—Daily Life in a Classical Port City: Archaeobotanical Evidence from Northern Greece
- 261-c Aurelien Tafani, Kewin Peche-Quilichini and Robert H. Tykot—Typological and Archaeometrical (pXRF) Study of Final Bronze Age Ceramics of Cuccuruzzu, Corsica
- 261-d Carla Pereira—The Dimensions of Tektaş Burnu: The Benefits of Computer-Generated Modeling in Archaeology
- 261-e Eric Johnson—Measuring Household Wealth Using Mound Accumulation Rates in Skagafjörður, North Iceland
- 261-f Györgyi Parditka—Winds of Change: Funerary Practices at the Dawn of Late Bronze Age in Southeast Hungary

[262] POSTER SESSION ■ INTRASITE SPATIAL PATTERNING AND THE PALEOINDIAN RECORD OF EASTERN NORTH AMERICA**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Joseph A. M. Gingerich**Participants:**

- 262-a Joseph A. M. Gingerich—Refitting Paleoindian Workspaces and Activity Areas
- 262-b Ian Beggan and Joseph A. M. Gingerich—Exploring Artifact Trampling at an Early Paleoindian Campsite
- 262-c Jennifer Rankin and R. Michael Stewart—The Snyder Paleoindian Complex in New Jersey: Interpreting Intra/Intersite Spatial Patterning
- 262-d Zachary Singer, Peter Leach, Heather Rockwell, Tiziana Matarazzo and Krista Dotzel—Intrasite Spatial Patterning of the Templeton Paleoindian Site in Northwestern Connecticut
- 262-e Jennifer Ort and Brian Robinson—Guess Who’s Coming to Dinner: An Exploration of Lithic Tools and Sources at the Bull Brook Paleoindian Site, Ipswich, Massachusetts

[263] POSTER SESSION ■ STUDENT RESEARCH IN COASTAL AND COMMUNITY

ARCHAEOLOGY AT THE UNIVERSITY OF VICTORIA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Chair: Erin Halstad McGuire

Participants:

- 263-a Spencer Armitage—Vertebrate Analysis of Column Samples Taken from Hup'kisakuu7a (93T, DfSh-43)
- 263-b Emily Badger and Ryan Schucroft—Monuments in Danger? Study Done in the Jewish Cemetery of Victoria, British Columbia
- 263-c Bree Bamford—Preliminary Vertebrate Faunal Analysis of Hup'kisakuu7a (93T): Results from 2015 and 2016 Excavations
- 263-d Angela Buttress—Abalone in the Archaeological Record of Barkley Sound
- 263-e Maya Cowan and Vanessa Tallarico—Cemetery Study at Emanu-El Jewish Cemetery in Victoria, British Columbia: A Look at the Potential Benefits of Simple, Shrouded Burials and the Use of Concrete Fills
- 263-f Meaghan Efford, Nicole Smirl and Brittany Walker—Marble Monument Conservation in the Emanu-el Cemetery
- 263-g Melanie Heizer, Kim Kuffner and Zoë Deneault—Revealing Lost Inscriptions Using Reflective Transformation Imagery
- 263-h Taylor Peacock and Ally Poniedzielnik—Hebrew Inscription Preservation in a Jewish Cemetery
- 263-i Paige Peterson and Elisa Moes—Historic Cultural Perspectives through Cemetery Landscape
- 263-j Arianna Nagle—Estimating Ancient Urchin Size on the West Coast of Vancouver Island
- 263-k Sage Schmied—Excavating the Intertidal at Hup'kisakuu7a, a Summary and Artifact Analysis

[264] SYMPOSIUM ■ INTEGRATING FUNCTIONAL ANALYSIS: CONTRIBUTIONS FROM USE-WEAR ANALYSIS WITHIN THE BROADER CONTEXT OF HUMAN BEHAVIOR IN PREHISTORIC NORTH AMERICA

Room: East Meeting Room 9 (VCC)

Time: 8:00 AM–10:00 AM

Chairs: Katherine Sterner and Robert Ahlrichs

Participants:

- 8:00 April Sievert—Task, Activity, and Context: Integrated Approaches to Use-Wear Analysis
- 8:15 Thomas Loebel—Use-Wear and Assemblage Composition: The Role of Endscrapers in Paleoindian Technological Organization
- 8:30 Katherine Sterner and Robert Ahlrichs—Examining the Use Lives of Archaic Bipointed Bifaces: Cache Blades from the Riverside Site
- 8:45 Larry Kimball—The Recognition of Hafting Traces on Native American Stone Tools
- 9:00 Matthew Davidson—Terminal Prehistoric and Protohistoric Hide Processing in the Central Ohio Valley: Synthesizing Microwear and Metric Data to Evaluate Endscraper Function and Use Intensity
- 9:15 Marvin Kay, Justin Dubois and Devin Pettigrew—Wear Traces from Some Experimental Chipped Stone Extractive Tools
- 9:30 Melody Pope—Exploring the Ineffable Aspects of Stone Tools
- 9:45 Richard Yerkes—Discussant

[265] SYMPOSIUM ■ THE INTERACTION BETWEEN POLITICAL AND ECOLOGICAL FRONTIERS**Room:** West Meeting Room 205 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Darryl Wilkinson**Participants:**

- 8:00 Darryl Wilkinson—Refuge, Frontier, No Man's Land: The Changing Nature of the Andean Cloud Forests
- 8:15 Lee Panich—Reconsidering the Connections between Ecological Change and Political Change in Colonial California
- 8:30 Peregrine Gerard-Little—"The horrors of a wilderness with the beauties of a fertile nature are blended in our prospects at this place": Seneca Ecologies and Colonial Military Expeditions in Seventeenth- and Eighteenth-Century New York
- 8:45 John Chenoweth, Mark Salvatore and Laura Bossio—British Peasant Ideologies and Technological Approaches to Marginal Caribbean Landscapes
- 9:00 John Steinberg—Political and Economic Patchworks in Viking Age Iceland
- 9:15 Alexander Bauer and Owen Doonan—The Black Sea as a Fluid Frontier: Connectivity, Integration, and Disarticulation from the Fourth to First Millennium BCE
- 9:30 Valerie Bondura—Frontiers in Center Places
- 9:45 Mikhail Echavarri and Stephen Acabado—Landscape Modification and Social Change as Resistance among the Ifugao on the Borderlands of Spanish Philippines

[266] SYMPOSIUM ■ ARCHITECTURAL STUDIES IN THE U.S. SOUTHWEST: THEORY, METHODS, AND DATA**Room:** West Meeting Room 206 (VCC)**Time:** 8:00 AM–10:00 AM**Chairs:** Kellam J. Throgmorton and Kye Miller**Participants:**

- 8:00 Shanna Diederichs—A Frontier in Bloom: Social Implications of Architectural Diversity and Conformity during the Colonization of the San Juan Region of the Northern Southwest
- 8:15 Kye Miller and Steven Gilbert—Red Ware and Migration in the Northern San Juan Region: A View from Pit Structure Architectural Practice
- 8:30 Susan Ryan—Architectural Communities of Practice: Identifying Kiva Production Groups in the Northern Southwest
- 8:45 Steven Gilbert and Kye Miller—Early Pueblo Pit Structure Architectural Practice in the Southwest Cibola Region
- 9:00 Kellam J. Throgmorton and R. J. Sinensky—Measuring Mobility: Comparing Indices Developed from Architectural and Paleoethnobotanical Datasets
- 9:15 Paul Reed—Blending Architectural Traditions at the Edge of Cibola, New Mexico
- 9:30 Tanya Chiykowski—Impressive Terraces and Ephemeral Houses: Domestic and Defensive Architecture at Cerro de Trincheras
- 9:45 Garrett Briggs—Analyzing Wood-Use Behavior at Wupatki Pueblo

[267] GENERAL SESSION ■ CURRENT RESEARCH IN MESOAMERICAN ARCHAEOLOGY II**Room:** West Meeting Room 204 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Kristin De Lucia**Participants:**

- 8:00 Rebecca B. Gonzalez Lauck—The Archaeological Collections of the Gulf Coast Cultures at the National Museum of Anthropology
- 8:15 Adriana Aguero Reyes—Architecture and Figurine Art in Central Veracruz

- 8:30 Dragan Filipovich—Inferring Markets from Material Remains: Hirth's Distributional Approach in the Light of Economic Theory
8:45 Ana Karen Galicia Rodriguez—The Precolumbian Sculptures after the Conquest: Reutilization and Re-significance in Amecameca, Mexico
9:00 Martin Berger—Turquoise Mosaic Skulls: Understanding the Creation of an Object Type
9:15 Kristin De Lucia—Style, Memory, and the Production of History: Aztec Black-on-Orange Pottery in Xaltocan, Mexico
9:30 Sheldon Skaggs, Christophe Helmke, Jon Spenard, Paul Healy and Terry Powis—Some Thoughts on Altar 3, Pacbitun, Belize
9:45 Tia B. Watkins, Rafael Guerra, Rosie Bongiovanni and Kirsten Green—Living at the Ritz: Investigations of the Palace Complex at Lower Dover, Belize

[268] LIGHTNING ROUNDS ■ MODELING AGRO-PASTORALISM IN EURASIA**Room:** West Meeting Room 209 (VCC)**Time:** 8:00 AM–10:00 AM**Moderators:** Isaac Ullah and Claudia Chang**Participants:**

- Claudia Chang—Discussant
J. Daniel Rogers—Discussant
Bryan Hanks—Discussant
Sean Bergin—Discussant
Andreas Angourakis—Discussant
Loukas Barton—Discussant
Jed Kaplan—Discussant
Stefani Crabtree—Discussant
Isaac Ullah—Discussant

[269] LIGHTNING ROUNDS ■ ENDURING CULTURE HISTORY: CONSTRUCTIONS OF PAST**COMMUNITIES AND IDENTITIES IN THE TWENTY-FIRST CENTURY****Room:** East Meeting Room 15 (VCC)**Time:** 8:00 AM–10:00 AM**Moderators:** Heather Walder and Mary A. Davis**Participants:**

- Marc Kissel—Discussant
Deborah Vischak—Discussant
Mary A. Davis—Discussant
Teresa Raczek—Discussant
Anna Guengerich—Discussant
Matthew Sayre—Discussant
Sissel Schroeder—Discussant
Flannery Surette—Discussant
Bernadette Cap—Discussant
Stephen Wagner—Discussant
Heather Walder—Discussant
Rus Sheptak—Discussant
Craig Cipolla—Discussant

[270] SYMPOSIUM ■ FORMATIVE INFLUENCES: A GATHERING IN HONOR OF J. SCOTT RAYMOND**Room:** East Meeting Room 8 (VCC)**Time:** 8:00 AM–10:30 AM**Chairs:** Ross W. Jamieson and Laurie Beckwith**Participants:**

- 8:00 Patrick Carmichael—Really Ugly Nasca Pots of Ancient Peru, and Why They Are Important
- 8:15 Jose Narvaez—Precolonial Irrigation Systems and Settlement Patterns in the Valley of Rimac, Peru
- 8:30 Sonia Zarrillo—The Secret Life of Cacao in the Ecuadorian Upper Amazon
- 8:45 Laurie Beckwith—A Late Formative Period Site in Chimborazo Province, Ecuador
- 9:00 Diana Carvajal Contreras—Rethinking the Formative Stage: A Reconsideration from Two Archaeological Sites on the Colombian Caribbean Lowlands
- 9:15 Santiago Mora—Sedentism and Plant Domestication: Northwest Amazonia
- 9:30 Fernando J. Astudillo, Peter W. Stahl, Florencio Delgado and Ross W. Jamieson—Colonization of Paradise: Historical Ecology and Archaeology of El Progreso Plantation, Galápagos (1870–1904)
- 9:45 Ross W. Jamieson—Tokens of Oppression: Coinage at a Nineteenth-Century Galapagos Sugar Plantation
- 10:00 Warren DeBoer—Discussant
- 10:15 J. Scott Raymond—Discussant

[271] SYMPOSIUM ■ RECENT DEVELOPMENTS IN EAST AND SOUTHEAST ASIAN ARCHAEOLOGY I: MATERIAL CULTURE STUDIES**Room:** East Meeting Room 11 (VCC)**Time:** 8:00 AM–10:30 AM**Chair:** Alison K. Carter**Participants:**

- 8:00 Joyce White and Elizabeth Hamilton—Applying a Life History Framework to Analyzing Metal Age Metal Assemblages from Thailand
- 8:15 Vincent C. Pigott—Putting a “Human Face” on Prehistoric Mining/Metallurgical Communities in the Khao Wong Prachan Valley of Central Thailand
- 8:30 Andrew Weiss and Vincent C. Pigott—Here We Go Again: A New Series of AMS Dates from the Kkho Wong Prachan Valley, Central Thailand
- 8:45 Kazuo Miyamoto—The Spread and Development of Iron Technologies in China
- 9:00 Lauren Glover—Carnelian Beads in Korea and Japan (c. 100–700 CE): Style, Technology, and Trade Patterns
- 9:15 Carmen Sarjeant—Comparative Techniques to Uncover Networks of Ceramic Technology in Southern Vietnam
- 9:30 Miriam Stark, Peter Grave, Lisa Kealhofer and Darith Ea—Khmer Stoneware Ceramic Production and the Angkorian State
- 9:45 Li Fei—Ideas of Immortality and the Clay Buddha Image from Yibin, Sichuan, China
- 10:00 Damien Huffer, Duncan Chappell, Lâm Thị Mỹ Dung and Hoàng Long Nguyễn—From the Ground Up: The Looting of Vườn Chuối in Archaeological and Criminological Context
- 10:15 Questions and Answers

[272] SYMPOSIUM ■ NEW PERSPECTIVES ON THE ARCHAEOLOGY OF SOCIAL MEMORY IN THE CENTRAL ANDES

Room: East Meeting Room 12 (VCC)

Time: 8:00 AM–10:30 AM

Chairs: Matthew Helmer, John Warner and Kimberly Munro

Participants:

- 8:00 Kimberly Munro—Persistence and Material Mnemonics in the Cosma Basin: 5,000 Years of Ritual Enactment in the Upper Nepeña River, Peru
8:15 Matthew Helmer—Social Memory and the Reuse of Archaeological Ruins: Preliminary Insights from a Chimú-Inka Elite Gravesite at Samanco, Nepeña Valley, Peru ca. 1470–1534 CE
8:30 John Warner and Edward Swenson—Social Memory and the Development of Monumental Architecture in the Southern Jequetepeque Valley, Peru
9:00 Lindi Masur and Jean-Francois Millaire—The Early Intermediate Period Farmer's Almanac: Coproducing Agriculture, Time, and Community on the North Coast of Peru
9:15 Giles Spence-Morrow—Memento Mori: Scalar Reference, Architectonic Persistence and the Continuity of Ritual Memory at Huaca Colorada, Jequetepeque Valley, Peru
9:30 Sally Lynch—The Role of Social Memory in Everyday Bodily Practices of Pottery Production and Consumption during the Late Moche Period (AD 500–800) on the North Coast of Peru
9:45 Lucia Clarisa Watson, Krzysztof Makowski and Jessica Christie—Constructing Social Memory: Inca Politics and Sacred Landscape in the Lurin Valley
10:00 Steve Kosiba—Discussant
10:15 Questions and Answers

[273] SYMPOSIUM ■ CONTEMPORARY ISSUES IN ROCK ART CONSERVATION AND PRESERVATION

(Sponsored by SAA Rock Art Interest Group and ARARA Conservation Committee)

Room: East Exhibit Hall A (VCC)

Time: 8:00 AM–10:30 AM

Chairs: Mavis Greer, Evelyn Billo and Robert Mark

Participants:

- 8:00 Evelyn Billo and Robert Mark—Rock Art Site Protection: Lessons Learned in 50 Years of Trying
8:15 Linea Sundstrom—Applying the Archaeological Resources Protection Act to Rock Art
8:30 Alice Tratebas—Conservation and Preservation Issues Post Fire
8:45 Aurora Skala—BC “Rock” Stars: The Next Generation
9:00 Jeremy Freeman, Mary Oster and Jason Theuer—A Tale of Two Management Plans: Comparing Visitor Impacts to Rock Art Sites on National Park Service Land versus San Bernardino County Land
9:15 Tim Roberts—Laser Removal of Graffiti from Pictographs at Hueco Tanks State Park and Historic Site, El Paso County, Texas: A Five-Year Review
9:30 Sandra Arazi-Coombs and Carrin Rich—Restoration of Sandia Cave, NHL, New Mexico
9:45 Mavis Greer and John Greer—Signage Effectiveness as Rock Art Protection
10:00 Jo Burkholder—Pisanay and the Endangered Rock Art Traditions of Arequipa, Peru
10:15 Teresa Rodrigues, Ashley Bitowf and Chris Loendorf—Rock Art Conservation in the Gila River Indian Community, Arizona

[274] SYMPOSIUM ■ ANTHROPOIC ACTIVITY MARKERS: ARCHAEOLOGY AND ETHNOARCHAEOLOGY**Room:** West Meeting Room 208 (VCC)**Time:** 8:00 AM–10:30 AM**Chairs:** Carla Lancelotti, Alessandra Pecci and Debora Zurro**Participants:**

- 8:00 Kathryn Arthur—Knowing My House: An Indigenous Theory and Practice of Being
- 8:15 Carla Lancelotti, Abel Ruiz Giralt, Jonas Alcaina Mateos, Juan José García-Granero and Alessandra Pecci—Modeling Anthropic Activity Markers: A Multidisciplinary Approach to the Study of Plant-Related Domestic Activities
- 8:30 Emma Jenkins, Sarah Elliott, Samantha Allcock, Carol Palmer and John Grattan—Using Geochemistry, Phytoliths, and Ethnographic Analogy to Interpret Neolithic Settlements in Southwest Asia
- 8:45 Madelyn Von Baeyer—The People Who Harvest Together, Live Together: Ethnoarchaeological Considerations on a Late Chalcolithic Archaeobotanical Assemblage from Çadır Höyük, Turkey
- 9:00 Maxime Lamoureaux St-Hilaire, Marcello A. Canuto, Tomás Barrientos and Clarissa Cagnato—Detecting the Functions of Patios in a Classic Maya Regal Palace at La Corona, Guatemala
- 9:15 Borislava Simova, E. Christian Wells and Lisa LeCount—Exploring the Changing Roles of Maya E-Groups: Geochemical Analysis of E-Group Plaster Floors at Actuncan, Belize
- 9:30 Questions and Answers
- 9:45 Luis Barba, Linda R. Manzanilla, Agustín Ortiz and Alessandra Pecci—Residue Analysis of Plastered Floors and Function of the Rooms at Teopancazco, Teotihuacán
- 10:00 Diana Martínez-Yrizar and Carmen Cristina Adriano-Morán—Seeds for the Gods: Chía (*Salvia hispanica*) in Teotihuacán Ritual Offerings
- 10:15 Justin Wisely—Starch Grain Analysis of Bedrock Mortars in California: Implications to Our Understanding of California Prehistory

[275] SYMPOSIUM ■ OF DUNG AND HUMANS: THE ARCHAEOLOGY OF LIVESTOCK DUNG**Room:** East Meeting Room 19 (VCC)**Time:** 8:00 AM–11:00 AM**Chairs:** Marta Portillo and Wendy Matthews**Participants:**

- 8:00 Marta Portillo and Wendy Matthews—Human-Animal Interactions in Early Sedentary Societies in the Near East and Northern Africa: The MICROARCHAEODUNG Project
- 8:15 Amaia Arranz Otaegui, Ana Polo-Díaz and Tobias Richter—Dung Use before Animal Domestication in Southwest Asia: Evidence from Early Natufian Shubayqa 1 (Northeastern Jordan)
- 8:30 R. A. Varney and Linda Scott Cummings—Finding Dung on Prehistoric and Historic Landscapes: Sporormiella in the Pollen Record
- 8:45 Leonor Pena-Chocarro and Guillem Pérez Jordà—The Use of Dung in Northern Morocco: Examples from Mountain Communities
- 9:00 Sarah Elliott and Wendy Matthews—A New Multiscalar, Multi-methodology for the Detection, Identification, and Analysis of Ancient Animal Dung
- 9:15 Natalia Eguez, Carolina Mallol and Cheryl Makarewicz—Microstratigraphic Investigation of Nomadic Pastoral Campsites in Eastern Mongolia
- 9:30 Silvia Valenzuela-Lamas and Ariadna Nieto-Espinet—Ding Dung: Animal Enclosures, Digested Bones, and Where Was the Livestock in the

Archaeological Site? Evidence from Experimentation and Zooarchaeology from Late Prehistory in the Western Mediterranean

- 9:45 Luc Vrydaghs, Cristiano Nicosia, Yannick Devos, Alvise Vianello and Christine Pümpin—Dung Management in Medieval and Post-Medieval Brussels (Belgium)
10:00 Naomi Miller—Discussant
10:15 Leonor Pena-Chocarro—Discussant
10:30 Lisa-Marie Shillito—Discussant
10:45 Linda Scott Cummings—Discussant

[276] SYMPOSIUM ■ CURATING THE PAST: THE PRACTICE AND ETHICS OF SKELETAL CONSERVATION

Room: East Meeting Room 14 (VCC)

Time: 8:00 AM–11:00 AM

Chairs: Katherine Miller Wolf and Carolyn Freiwald

Participants:

- 8:00 Anna Novotny—Curation in the Digital Age: The Potential for Bioarchaeology
8:15 Carlos Quiroz, Katherine Miller Wolf, Hannah Plumer and Yasser Musa—When Provenience Is Lost: Achievements and Challenges in Conserving the Historical St. John's, Belize Skeletal Collection
8:30 Eleanna Prevedorou and Jane E. Buikstra—Curation of Human Skeletal Remains and Bioarchaeological Practice in Greek Context
8:45 Martha Palma Malaga and Krzysztof Makowski—The Challenges of Bioarchaeological Research in Peru: Archaeological Field-School Project “Pachacamac Valley” (1991–)
9:00 Jennifer Newton, Kate Domest, Siân Halcrow and Korakot Boonlop—Bioarchaeological Conservation and Ethics in Mainland Southeast Asia
9:15 Christine Lee—Conservation Recommendations for Human Skeletal Remains Excavated from Desert Oases, Cave Shelters, and Permafrost in China and Mongolia
9:30 Questions and Answers
9:45 Patricia Powless—The Challenges of Dealing with Multiple Sets of Human Remains in the Cultural Resource Management Setting where Tribal Resources Are Limited
10:00 Harriet “Rae” Beaubien—Field Conservation of Skeletal Remains: Techniques, Materials, and Implications for Future Analysis
10:15 Carolyn Freiwald—A Step-by-Step Guide to Excavating Burials, or How a Bioarchaeologist Can Be in Two (or Three) Places at Once
10:30 Katherine Miller Wolf—Curating Large Skeletal Collections: An Example from the Ancient Maya Site of Copan, Honduras
10:45 Jane E. Buikstra—Discussant

[277] SYMPOSIUM ■ SETTLEMENT SCALING IN ARCHAEOLOGY—NOT JUST MODERN, NOT JUST URBAN

Room: East Meeting Room 16 (VCC)

Time: 8:00 AM–11:15 AM

Chair: Scott G. Ortman

Participants:

- 8:00 Luis Bettencourt—The Intellectual History of Settlement Scaling Theory
8:15 Jose Lobo—Settlement Scaling: Simple Equation, Familiar Variables, Rich Story
8:30 Michael Smith—Why Settlement Scaling Research Is a Good Fit for Archaeology
8:45 Scott G. Ortman—Thinking Exponentially: Settlement Scaling and Archaeological Data

- 9:00 Marcus Hamilton and Robert Walker—Population-Area Scaling in Contacted and Uncontacted Amazonian Indigenous Groups
9:15 Questions and Answers
9:30 Jennifer Birch—Settlement Scaling in the Northeastern Woodlands
9:45 Kaitlyn E. Davis and Scott G. Ortman—Artifact-Based Measures for Scaling Research in the Rio Grande Pueblos
10:00 Grace Erny—Settlement Scaling and the Emergence of the Greek Polis
10:15 John Hanson—Settlement Scaling Theory, Specialization, and the Greek and Roman World
10:30 Rudolf Cesaretti—Settlement Scaling in Medieval Europe and Tudor England
10:45 Justin Jennings—Discussant
11:00 Monica Smith—Discussant

[278] SYMPOSIUM ■ HOUSEHOLDS AND SOCIAL EVOLUTION: COMPREHENSIVE APPROACHES TO SOCIAL TRANSFORMATION

Room: East Meeting Room 18 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Lacey Carpenter, Elsa Redmond and Charles Spencer

Participants:

- 8:00 Julian Salazar—Household Dynamics and the Reproduction of Early Village Societies in Northwest Argentina (200 BC–AD 350)
8:15 Nathan Goodale and Alissa Nauman—Founding House, Neighborhood, Village: Hunter-Gatherer Social Complexity at the Slocan Narrows Site, Upper Columbia River Area, Interior Pacific Northwest, North America
8:30 Ian Kuijt—Micro-History and Macro Evolution: Material Geographies of Multifamily Neolithic Households
8:45 Rachel Lee—Household Change and Social Complexity in Prehistoric Korea
9:00 Barbara Roth—Changes in Household Organization and the Development of Classic Period Mimbres Pueblos
9:15 Thomas Pluckhahn and Neill Wallis—Households and Hopewellian Interaction in the American Southeast
9:30 Carl Wendt—Olmec Households in the Context of Sociopolitical Transformation
9:45 Jennifer Kahn—Houses of Power: Community Houses and Specialized Houses as Markers of Social Complexity in the Precontact Society Island Chiefdoms
10:00 Donna Glowacki—(Trans)Formation, Centralization, and the Making of a Mesa Verde Village
10:15 Casey Barrier—Towns and Household Groups during a Period of Urban Transition in Native North America: A Case from the Early Mississippian Era in the Cahokia Region
10:30 Lacey Carpenter—Residential Variability and Change through Time at San Martín Tilcajete
10:45 Charles Spencer and Elsa Redmond—Evolution of Elite Residence at San Martín Tilcajete, 500–100 BC
11:00 Anna Marie Prentiss—Discussant

[279] SYMPOSIUM ■ NEW DISCOVERIES AND MULTIDISCIPLINARY RESEARCH AT YANGGUANZhai, CHINA

Room: West Meeting Room 202 (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Ye Wa and Elizabeth Berger

Participants:

- 8:00 Weilin Wang—Understanding the Settlement Structure of the Middle Yangshao Period (Miaodigou Phase) Based on Recent Archaeological Discoveries in the Wei River Valley
- 8:15 Jennifer Kielhofer and Mathew Fox—A Soil-Stratigraphic Record of Landscape Evolution and Human-Environment Interaction at the Yangguanzhai Archaeological Site, North-Central China
- 8:30 Mathew Fox, Jennifer Kielhofer and Ye Wa—Micromorphology and Isotopic Geochemistry of the Yangguanzhai Moat Deposit
- 8:45 Ye Wa, Weilin Wang, Liping Yang, Mitchell Ma and Mathew Fox—A Vertical Loess Cave Dwelling at Yangguanzhai?
- 9:00 Liping Yang and Weilin Wang—A Middle Yangshao Cemetery of the Yangguanzhai Settlement
- 9:15 Brett Kaufman—Discussant
- 9:30 Anke M. Hein, Ye Wa and Jianfeng Cui—Soil, Hands, and Heads: An Ethnoarchaeological Study on Local Preconditions of Pottery Production in the Wei River Valley (Northern China)
- 9:45 Michael Deibel, Corinne Deibel, Ye Wa and Liping Yang—Analysis of Ancient Chinese Pottery Utilizing X-ray Fluorescence and Diffuse Reflectance Infrared Fourier Transform Spectroscopy
- 10:00 Richard Ehrich—Microscopic Analysis of Sherds from Pit H85
- 10:15 Mitchell Ma and Hua Zhong—Paleoethnobotany of Yangguanzhai
- 10:30 Miaomiao Yang, Songmei Hu and Weilin Wang—Faunal Remains from the Yangguanzhai Site
- 10:45 Elizabeth Berger and Liping Yang—Oral Health in the Middle Yangshao Guanzhong Basin
- 11:00 C. Melvin Aikens—Discussant

[280] SYMPOSIUM ■ RECENT SHIFTS IN MAYA ARCHAEOLOGY: INVESTIGATIONS OF THE COLONIAL AND NATIONAL PERIODS OF THE YUCATÁN

Room: East Meeting Room 1 (VCC)

Time: 8:00 AM–11:30 AM

Chairs: Richard Leventhal, Tiffany Cain and Kasey Diserens

Participants:

- 8:00 Jennifer Mathews, John Gust and Scott Fedick—Twenty Years of Historical Archaeology in the Yalahau and Costa Escondida Regions
- 8:15 Adolfo I. Batún-Alpuche, Maia Dedrick and Patricia McAnany—Identifying Farming Strategies within Changing Regional Contexts at Tahcabo, Yucatán
- 8:30 Adam Kaeding—Colonial Negotiation in the Frontier Province of Beneficios Altos
- 8:45 Tiffany Cain—Formative Experiences: Everyday Life and Political Violence in Yucatán, 1847–1866
- 9:00 Alejandra Badillo Sánchez—Indicios de Poder, la Estrategia de Control de la Guerra de Castas: Arqueológica e Historia de la Posición de la Fuerzas Armadas Porfirianas en la Campaña Militar de Yucatán de 1899–1901
- 9:15 Gertrude Kilgore, Brooke Bonorden and Brett A. Houk—Machetes, Metates, and Majolica: San Pedro Maya Involvement in the Colonial Economy at Kaxil Uinic Village, Belize

- 9:30 James Meierhoff—Consumer Culture at the Nineteenth-Century Maya Refugee Site at Tikal, Guatemala
- 9:45 John Gust—Comparing Labor Regimes: Debt Peons in the Northeastern Yucatán versus Free Laborers in British Honduras
- 10:00 Maggie Morgan-Smith—Ours and Theirs: Chapels and Community Dynamics at Rancho Kiuic, Yucatán, Mexico
- 10:15 Kasey Diserens—The Cycle of the Living Dead: Ruins, Loss, and Preservation in Tihosuco, Quintana Roo
- 10:30 Richard Leventhal—The Maya: Historic Archaeology and Archaeology of Historic Periods
- 10:45 Fernando Armstrong-Fumero—Discussant
- 11:00 Rosemary Joyce—Discussant
- 11:15 Questions and Answers

[281] SYMPOSIUM ■ FLOODED ANCIENT MAYA SALT WORKS, PAYNES CREEK NATIONAL PARK, BELIZE

Room: West Meeting Room 207 (VCC)

Time: 8:00 AM–11:30 AM

Chairs: Heather McKillop and E. Cory Sills

Participants:

- 8:00 Heather McKillop, Harry Roberts, Karen McKee, Terrance Winemiller and John G. Jones—Underwater Transect Excavations, Sediment Coring, and Remote Sensing at the Paynes Creek Salt Works
- 8:15 E. Cory Sills, Heather McKillop and E. Christian Wells—Ancient Maya Salt Making Activities as Revealed through Underwater Excavations and Sediment Chemistry, Paynes Creek National Park, Belize
- 8:30 Bretton Somers—Spatial Analysis of the Preserved Wooden Architectural Remains of Eight Late Classic Maya Salt Works in Punta Ycacos Lagoon, Toledo District, Belize
- 8:45 Rachel Watson, Heather McKillop and Brooks Ellwood—Attractive Salt: What the Magnetic Susceptibility and Stratigraphy of the Witz Naab and Killer Bee Mounds Reveal about Ancient Maya Salt Production and Economy
- 9:00 Valerie Feathers, Heather McKillop, E. Cory Sills and Rachel Watson—Sea Level Rise at an Inundated Ancient Maya Salt Work: New Information from the Eleanor Betty Site, Paynes Creek National Park, Belize
- 9:15 Linda Howie, Heather McKillop and E. Cory Sills—The Provenance and Technology of Paynes Creek Salt Works Pottery and Briquetage
- 9:30 Roberto Rosado Ramirez, Heather McKillop and E. Cory Sills—Analysis of Marine Sediment of Ancient Maya Salt Works in Paynes Creek National Park, Southern Belize
- 9:45 Kurt Dilores and Heather McKillop—Analysis of Marine Sediment to Explain Sea Level Rise in Paynes Creek National Park, Belize
- 10:00 Brent Woodfill—Inland, Urban versus Coastal, Rural Salt Production in the Southern Maya Lowlands: The View from Salinas de los Nueve Cerros
- 10:15 Virginia Ochoa-Winemiller—Ethnoarchaeology, Domesticity, and Place Making among the Maya
- 10:30 Kelsey Johnson, Heather McKillop and Bretton Somers—Postclassic Obsidian Trade at Arvin's Landing, Belize: A pXRF Analysis
- 10:45 Questions and Answers
- 11:00 Rowan Flad—Discussant
- 11:15 Arlen Chase—Discussant

[282] GENERAL SESSION ■ EUROPEAN ARCHAEOLOGY: FROM THE PALEOLITHIC TO THE RECENT PAST

Room: West Meeting Room 203 (VCC)

Time: 8:00 AM–11:45 AM

Chair: Alison Leonard

Participants:

- 8:00 Brooke Creager—Migration and Cultural Change: Effects of Migration on Ritual Practices in Early Medieval Britain and Colonial America
- 8:15 Gregory Zaro, Martina Celhar, Kenneth Nystrom, Dario Vujevic and Karla Gusar—From Liburnian to Ottoman: Unraveling Settlement History at Nadin-Gradina, Croatia
- 8:30 Apostolos Sarris, Tuna Kalayci and Francois-Xavier Simon—Neolithic Enclosures in Neolithic Greece: A Geospatial Approach
- 8:45 Christopher Parker, Nicole Herzog, Earl Keefe, James O'Connell and Kristen Hawkes—The Archaeological Consequences of Human Fire Use: Analyses, Interpretations, and Implications for Understanding the Evolution of Pyrotechnic Behaviors
- 9:00 Elizabeth Vellikiy, Martin Porr and Nicholas Conard—Red Ochre at Hohle Fels, Germany: The Use of Pigment and Space at an Upper Paleolithic Cave Site
- 9:15 Detlef Wilke, Tuende Kaszab-Olszewski and Gerald Grimm—Compositional Analysis of Roman and Late Medieval Terracotta Figurines Found in Worms (Antique Borbetomagus)
- 9:30 Samuel Connell, Rachel Brody, Andrew Bair, Lena Murphy and Valerie Watson—Castles in Communities Anthropology Settlement Survey: Preliminary Data from 2015/2016 Field Seasons at Ballintober, Ireland
- 9:45 Alison Leonard, Steve Ashby and Dries Tys—The North Sea and the “Long” Viking Age: Connections and Communication
- 10:00 Sebastian Warmlander—Analysis of Bones and Objects from the Viking Age Site of Hrísbúr, Iceland
- 10:15 Eric Harkleroad—United in Blood! Rituals of Violence and Warfare in Iron Age Britain
- 10:30 Amy Nicodemus and John O'Shea—Regional Trade and Political Power in the Carpathian Basin Bronze Age: The Case of Pecica-Şanțul Mare (Romania)
- 10:45 Jennifer French—Women in Small-Scale Societies: How Demographic Archaeology Can Contribute to Gender Archaeology
- 11:00 Inge Særheim—Words for Domestic Animals Used as Metaphors in Coastal Naming
- 11:15 Naomi L. Martisius—A Comparative Assessment of Upper Paleolithic Lissoir (Smoothen) Manufacture and Use
- 11:30 Kate Trusler—Evaluating Socioeconomic Status at Maasplein, Using Food Utility Indices

[283] SYMPOSIUM ■ NEW INSIGHTS INTO MISSISSIPPIAN CULTURE AT CAHOKIA MOUNDS STATE HISTORIC SITE

Room: East Ballroom B (VCC)

Time: 8:00 AM–12:00 PM

Chairs: Lori Belknap and Bill Iseminger

Participants:

- 8:00 John Kelly and James Brown—Redefining Cahokia: City of the Cosmos
- 8:15 John Stauffer—Greeting the Dawn: Investigations of Cahokia's East Plaza
- 8:30 Corin Pursell and J. Grant Stauffer—Cahokia's Mound 34 and the Moorehead Moment
- 8:45 Emily Coco—The Spatial Analysis of Debris from the Mound 34 Copper Workshop

- 9:00 Immacolata Valese and Davide Domenici—The Changing Use of Space in Cahokia's Urban Epicenter: Archaeological Investigations on the Merrell Tract (2011–2016)
- 9:15 Timothy Schilling—Monks Mound: Retrospective Thoughts and Prospective Potentials
- 9:30 Rachel Campbell—Building the Wall: Excavations of Cahokia's East Palisade
- 9:45 Melissa Baltus and Sarah Baires—Building below the Surface: Earth Moving and Caching at Cahokia's CABB Tract
- 10:00 William Romain—Cahokia: City at the Center of the Mississippian Cosmos
- 10:15 Rebecca Barzilai, Susan M. Alt and Timothy R. Pauketat—Pottery and Religion at Greater Cahokia's Emerald Acropolis
- 10:30 Madelaine Azar—Quantifying Variation in Ramey Incised Motifs: A Stylistic Evaluation of Cahokian Authority Across the American Bottom
- 10:45 Timothy Horsley, Casey Barrier, Robin Beck and John Kelly—New Views of Cahokia's Urban Landscape: Multi-instrument Geophysical Survey at the Ramey Field
- 11:00 Caitlin Rankin—A Concealed Landscape: New Evidence from the North Plaza
- 11:15 Ken Williams and John Kelly—Ground Truthing Cahokia's Feature X Anomaly
- 11:30 Jarrod Burks—Mapping Residential and Public Space in Cahokia's Merrell Tract: Results of Recent Magnetic Surveys
- 11:45 Donald Booth—The Mitchell Site: An Upgrade

[284] SYMPOSIUM ■ METHODOLOGICAL ADVANCES IN ISOTOPIC ZOOARCHAEOLOGY**Room:** East Ballroom C (VCC)**Time:** 8:00 AM–12:00 PM**Chairs:** Ashley Sharpe and John Krigbaum**Participants:**

- 8:00 Atilio Zangrando, Augusto Tessone, Angélica Tivoli, Jonathan Nye and Suray Perez—Subsistence Variations and Landscape Use of Marine Foragers in Southern South America: New Perspectives from an Isotopic Zooarchaeology
- 8:15 Paul Szpak—Isotopic Perspectives on Animal Husbandry Practices
- 8:30 Ashley Sharpe—Lead (Pb) Isotope Analysis as a Means of Tracking Animal Migration and Trade in Mesoamerica
- 8:45 Richard George, Claire Ebert, Brendan Culleton, Marilyn Masson and Douglas J. Kennett—Stable Isotope Analysis of Animal Diets at the Postclassic Regional Capital of Mayapán
- 9:00 Michelle LeFebvre, Susan deFrance, George Kamenov, William Keegan and John Krigbaum—The Zooarchaeology and Isotopic Ecology of the Bahamian Hutia (*Geocapromys ingrahami*)
- 9:15 Deanna Grimstead, Jay Quade and Mary Stiner—Isotopic Evidence for Long-Distance Mammal Procurement, Chaco Canyon, New Mexico, USA
- 9:30 Margaret Schoeninger, Corinna Most, James Moore and Andrew Somerville—Influence of Animal Proxy Choice on Use of Carbon, Nitrogen, and Oxygen Stable Isotope Ratios for Determining Past Environmental Variables
- 9:45 Hervé Bocherens, Dorothée Drucker, Martina Láznicková-Galetová, Mietje Germonpré and Christoph Wissing—Isotopic Tracking of Trophic Relationships (Predation, Competition, Commensalism) between Paleolithic Humans and Predators
- 10:00 Cheryl Makarewicz—Stable Isotopic ($\delta^{13}\text{C}$ and $\delta^{18}\text{O}$) and Zooarchaeological Insights into Vertical Transhumance of Early Neolithic Domesticated Sheep and Goats in Southern Jordan
- 10:15 Anneke Janzen, Patrick Roberts and Nicole Boivin—Using Stable Isotopes to Explore Ancient Wildebeest Mobility in the Context of Pastoral Expansion

- 10:30 Emily Zavodny and Sarah B. McClure—The Cultural Ecology of Croatia's Cattle: Stable Isotope and Zooarchaeological Analyses of an Indigenous Breed
- 10:45 Holly Miller and Naomi Sykes—Theoretically Informed Isotope Analysis: Human-Animal Relationships at Fishbourne Roman Palace
- 11:00 Chin-hsin Liu, Adam Lauer, Stephen Acabado, Katherine E. Quitmyer and John Krigbaum—Faunal Management and Human-Landscape Interactions at Ifugao, Luzon, Philippines
- 11:15 Eric Guiry, Suzanne Needs-Howarth, Paul Szpak and Michael P. Richards—Isotopic Analyses of Predatory Pelagic Fishes Show Significant Environmental Change in Lake Ontario following European Settlement
- 11:30 Keith Hobson—Discussant
- 11:45 T. Douglas Price—Discussant

[285] SYMPOSIUM ■ ARCHAEOLOGIES OF EMPIRE AND ENVIRONMENT
(Sponsored by Archaeology Division, American Anthropological Association)
Room: East Ballroom A (VCC)
Time: 8:00 AM–12:00 PM
Chairs: Melissa Rosenzweig and John Marston

Participants:

- 8:00 Christopher Morehart—The Archaeology of Ecological Imperialism in Central Mexico
- 8:15 BrieAnna Langlie—Engineering an Ecosystem of Resistance: Late Intermediate Period Farming in the South-Central Andes (AD 1100–1450)
- 8:30 David L. Lentz, Nicholas Dunning and Vernon Scarborough—Resilience and Regime Shift at the Ancient Maya City of Tikal
- 8:45 Allison Bain and Mélanie Rousseau—Hitchhiking to the New World: Archaeoentomology and the Study of Introduced Insect and Ectoparasite Species
- 9:00 Nicole Mathwich and Barnet Pavao-Zuckerman—Bureaucratic Reforms on the Frontier: Zooarchaeological and Historical Perspectives on the 1767 Jesuit Expulsion in the Pimeria Alta
- 9:15 Christine A. Hastorf—Discussant
- 9:30 Questions and Answers
- 9:45 Krish Seetah—Empire, Environment, and Disease: An Indian Ocean Case Study
- 10:00 Stephen Acabado—Zones of Refuge: Resisting Conquest in the Northern Philippine Highlands through Agricultural Practice
- 10:15 Elizabeth Baker Brite—Irrigation Canals as Subaltern Agents of Resistance: An Example from Nineteenth-Century Russian Turkestan
- 10:30 Sarah Walshaw, Jack Stoezel and Matthew Pawlowicz—Swahili Agriculture and Power Dynamics in Regional Perspective
- 10:45 Bethany Walker—Localizing the Imperial Grain Economy in Mamluk Syria: Expressions of Village-Level Initiatives in Fourteenth-Century Transjordan
- 11:00 Alan Farahani—Imperial Context and Agricultural Content: Dimensions of Space and Practice in Agricultural Lifeways in Dhiban, Jordan, 500–1400 CE
- 11:15 Sarah E. Adcock—Thinking through Zooarchaeological Approaches to Empire and Environment
- 11:30 Naomi Sykes, Holly Miller and Karis Baker—From Empire States to Country Estates: The Story of the Fallow Deer's Global Conquest 6000 BP to Present
- 11:45 Kathleen Morrison—Discussant

[286] SYMPOSIUM ■ ARCHAEOLOGICAL PERSPECTIVES ON THE EVOLUTION OF FORAGER COOPERATION**Room:** West Meeting Room 210 (VCC)**Time:** 8:00 AM–12:00 PM**Chair:** Randy Haas**Participants:**

- 8:00 Steven Kuhn and Mary Stiner—A Road to Forager Cooperation
8:15 Randy Haas, James Watson, Carlos Viviano and Mark Aldenderfer—The Signaling and Inheritance of Cooperation: Artificial Cranial Modification among Altiplano Foragers
8:30 Juan Barcelo and Florencia Del Castillo Bernal—The Emergence of Cultural Consensus in Hunter-Gatherers: Toward a Computer Model of Ethnogenesis in the Past
8:45 George Crothers—The Original (Affluent) Cooperative: Property Rights and the Foraging Mode of Production
9:00 Isabelle Lulewicz, Victor Thompson and Thomas Pluckhahn—Shell Mound Architecture and Cooperative Mass Oyster Collection on the Central Gulf Coast of Florida, USA
9:15 Ashley Hampton, Anna Marie Prentiss and Thomas A. Foor—The Evolution of Cooperative Labor within a Long-Lived Housepit at the Bridge River Site in British Columbia
9:30 Jelmer Eerkens—Stable Isotope Perspectives on Intra-community Sharing
9:45 Matthew O'Brien and Danny N. Walker—Communal Hunting and Teasing Out Signs of Cooperation in the Past
10:00 Spencer Pelton—Communal Hunting Facilities as a Record of Human Cooperation
10:15 Maria Nieves Zedeño—Cooperation and Order among Communal Bison Hunters
10:30 Ashley Lemke and John O'Shea—Cooperation or Competition? The Underwater Archaeology of Communal Hunting Structures
10:45 D. Shane Miller—The Warfare Paradox, or All Quiet on the Western Tennessee Valley Archaic
11:00 Terry Jones and Al Schwitalla—Cooperation and Violence in Prehistoric California: A Brief Interregional Evaluation
11:15 Robert Bettinger—Discussant
11:30 Rebecca Bliege Bird—Discussant
11:45 Questions and Answers

[287] GENERAL SESSION ■ ADVANCES IN ARCHAEOLOGICAL METHOD AND THEORY**Room:** East Meeting Room 13 (VCC)**Time:** 8:00 AM–12:00 PM**Chair:** David Howe**Participants:**

- 8:00 Emily Ellwood and Bill Schneck—Forensic Materials Science Applications in Archaeology
8:15 Billy Wilemon and Michael Galaty—pXRF Analysis of the Pylos Linear B Tablets
8:30 Brandon Gabler—Survey Intervals and the World of Section 106: Eligible Site Size as a Factor in Survey Design
8:45 William Whitehead—Recent Work in Southeast New Mexico by SWCA: The Impact of TRU Analysis on How We Define Site Boundaries
9:00 Shannon P. McPherron—Additional Statistical and Graphical Methods for Analyzing Artifact Orientations and Site Formation Processes from Total Station Proveniences

- 9:15 Cory Cuthbertson and Christian Hoggard—Stones, Shapes and Speech: Interpreting the Origins of Language from Lithic Variation with Geometric Morphometrics
- 9:30 Qingzhu Wang, Thomas Fenn, Hui Fang, Xuexiang Chen and Jianfeng Lang—pXRF Examination of Shang-Dynasty Bronzes from the Daxinzhuang Site, Shandong
- 9:45 David Howe—Projectile Dysfunction: A Controlled Archery Experiment to Determine the Presence and Replacement of the Bow and Atlatl Technologies in Prehistoric North America
- 10:00 Katherine Peterson—Archaeology, a Bone to Pick: Pitfalls of a Destructive Science
- 10:15 J. Scott Cardinal and Jennifer Loughmiller-Cardinal—Through the Gates of Logic, into the Middle of . . . What?
- 10:30 Ian Jorgeson—Quantifying the Relationship between Geography and Social Networks
- 10:45 Martin Bell—Making One's Way in the World: Identifying and Dating Prehistoric Routeways
- 11:00 Jakob Sedig—Improving Radiocarbon Dating with Ancient DNA Analysis
- 11:15 Benjamin Auerbach and Angela Mallard—Modeling Conditions Necessary to Detect Gene Flow in Humans from Archaeological Contexts
- 11:30 Stanley Ambrose and Jibril Hirbo—African Ancestry or Neanderthal-Human Genetic Admixture in Eurasians? African Diversity Matters
- 11:45 Brea McCauley and Mark Collard—A Test of Competing Hypotheses Concerning the Impact of Demography on Cultural Evolution

[288] SYMPOSIUM ■ BUTTERFLIES TAKE WING: RITUAL AND SYMBOLISM IN PRECOLUMBIAN MESOAMERICA
Room: East Meeting Room 2 (VCC)
Time: 9:30 AM–12:00 PM
Chairs: Elizabeth Baquedano and Agapi Filini

Participants:

- 9:30 Jesper Nielsen—An Army of Winged Souls: Butterfly Iconography in Teotihuacán
- 9:45 Robert Markens—Butterfly Imagery among the Classic Period Zapotecs of the Valley of Oaxaca
- 10:00 Agapi Filini—The Butterfly-Solar Complex in West Mexico: Information Transmittal and Design Structure
- 10:15 Annabeth Headrick and Dorie Reents-Budet—The Afterlife in Exile: Butterfly Imagery on Teotihuacán-Style Censers from the Pacific Coast of Guatemala
- 10:30 Raul E. Garcia Chavez and David Arreola—Los Tocados de Mariposa en las Figurillas de la Fase Coyotlateco de la Cuenca de México
- 10:45 Fernando Getino Granados—Iconografia de la Mariposa en Tula, Hidalgo
- 11:00 Susana Ramirez-Urrea de Swartz—Flying on the West: The Butterfly Imagery in Aztec Iconography: Meaning and Worldview
- 11:15 Elizabeth Baquedano—Gold (Tumbaga) and Butterfly Symbolism
- 11:30 Susan Milbrath—From Flame to Flowers: Moths and Butterflies in the Codex Borgia Group
- 11:45 Adam Sellen—Discussant

[289] SYMPOSIUM ■ INTER- AND MULTIDISCIPLINARY APPROACHES TO ARCHAEOLOGICAL RESEARCH IN THE CARIBBEAN**Room:** East Meeting Room 10 (VCC)**Time:** 10:00 AM–12:00 PM**Chair:** Paola Schiappacasse**Participants:**

- 10:00 Lyrsa María Torres-Vélez—Cookbooks as Documentary Sources: The Material Culture of Kitchens and Tables from Nineteenth-Century Puerto Rican Households
- 10:15 Paola Schiappacasse—Constructing Stories from Archaeological Evidence and Documentary Sources
- 10:30 Yuitza Rojas Fernández—Engendering Ballajá: A 1910 Case Study from San Juan, Puerto Rico
- 10:45 Ramón Ocasio Negrón—Reconstructing Household Units Using Census Data and Plans
- 11:00 L. Antonio Curet—Island Hopper: Theodoor de Booy and Archaeology in the Caribbean
- 11:15 Gelenia Trinidad-Rivera—The Jácanas Archaeological Collection: Laying Down the Facts
- 11:30 Ash A. Matchett—Ancient DNA Studies in Tropical Environments: A Study into the Genetics of the Precolumbian Indigenous Population of Puerto Rico
- 11:45 Alice Samson—Discussant

[290] GENERAL SESSION ■ UNDERSTANDING PALEODIETS THROUGH ISOTOPIC RESEARCH I**Room:** East Meeting Room 3 (VCC)**Time:** 10:00 AM–12:00 PM**Chair:** Michael D. Lewis**Participants:**

- 10:00 Michael D. Lewis, Joan Coltrain and R. E. Burrillo—Regional Variability in Stable Isotope Food-Web Baselines and Sex-Based Differences in Diet: An Example from Early Agriculturists in Southeastern Utah
- 10:15 Monique DePace and Kathleen McSweeney—Diet and Dentition on the Black Sea: An Examination of Dental Health and Dietary Reconstruction at Medieval Mesambria
- 10:30 Isabel Casar, Pedro Morales, Ernesto Velasco and Abigail Meza—Reconstruction of Diet and Mobility Patterns in Human Remains, Bone, and Teeth from a Mortuary Cave (Cueva de la Sepultura) in Tamaulipas, Northeastern Mexico, through Stable Isotope Analysis
- 10:45 Taylor Hermes, Michael Frachetti, Paula Doumani, Ekaterina Dubyagina and Cheryl Makarewicz—Substantial Intensity of Millet Agriculture during the Bronze and Iron Ages in Kazakhstan Is Revealed in $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Time Series of Incrementally Sampled Livestock Teeth
- 11:00 Dusan Boric, Marija Edinborough, Emanuela Cristiani, Doug Price and Olaf Nehlich—Social Bioarchaeology of Forager-Farmer Transition in the Balkans
- 11:15 Beth K. Scaffidi, Natasha P. Vang and Tiffany A. Tung—Diet in Coastal Arequipa, Peru, at the Dawn of the Wari Empire
- 11:30 Ashley McCall—Great Hungarian Plain Diet and Mobility through the Neolithic, Copper Age, Bronze Age, and Iron Age
- 11:45 Ashley Maxwell, Robert H. Tykot and Andrea Vianello—The Langobards in Italy: A Bioarchaeological Analysis of the Seventh-Century AD Necropolis of Sovizzo in Vicenza, Italy

[291] LIGHTNING ROUNDS ■ “SO DO YOU, LIKE, WEAR A HAT LIKE INDY?” “COOL, I LOVE DINOSAURS!” “MY GRANDPA HAS THIS REALLY AWESOME POT IN THE ATTIC.” “CAN YOU SHUT DOWN THE PIPELINE?”—EFFECTIVE COMMUNICATION ABOUT ARCHAEOLOGY IN THREE MINUTES OR LESS

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

Room: East Meeting Room 17 (VCC)

Time: 10:00 AM–12:00 PM

Moderators: Rebecca L. Simon, Elizabeth C. Reetz and Meredith Anderson Langlitz

Participants:

Maia Dedrick—Discussant

Cynthia Zutter—Discussant

Michael Smith—Discussant

Meghan Dudley—Discussant

Heather Thakar—Discussant

Diana Carvajal Contreras—Discussant

Hayley Roberts—Discussant

Colin Quinn—Discussant

Bernard Means—Discussant

Fanya Becks—Discussant

Sara Ayers-Rigsby—Discussant

Mark Warner—Discussant

[292] General Session ■ Colonial-Era Archaeology in Central and South America

Room: East Meeting Room 9 (VCC)

Time: 10:15 AM–12:00 PM

Chair: Marianne Sallum

Participants:

10:15 Lyneth Lowe—Génesis del Museo Yucateco durante el Segundo Imperio (1863–1867)

10:30 Paz Núñez-Regueiro and John Janusek—The French Scientific Mission to South America (1903): The Controversies and Material Legacy of the First Extensive Excavations in Tiahuanaco, Bolivia

10:45 Mirsa Islas Orozco—Historical Archaeology in Downtown Mexico City: The Case of “La Casa del Mayorazgo de Nava Chávez”

11:00 Nicolas Delsol—The Columbian Exchange in Mesoamerica: Early Colonial Documents and Zooarchaeology in Guatemala

11:15 Marianne Sallum and Plácido Cali—Colonialism and Tupi Persistence on the South Shore of São Paulo State, Brazil

11:30 Marcelo Acosta—Materializing Ideas. Preliminary Analysis of Roof Tiles Images from the Nuestra Señora de Loreto I and San Ignacio Mini I Missions (1610–1631)

11:45 Camila Capriata Estrada and Raúl Zambrano Anaya—Nieve Nieve, a Local Rural Community under Spanish Rule

[293] GENERAL SESSION ■ CURRENT RESEARCH IN MESOAMERICAN ARCHAEOLOGY III

Room: West Meeting Room 209 (VCC)

Time: 10:15 AM–11:45 AM

Chair: Victor Emmanuel Salazar Chavez

Participants:

10:15 Marion Forest and Grégory Pereira—From Compass to Lidar: 40 Years of Mapping the Tarascan Cities of the Malpais of Zacapu, Northwestern Mexico

- 10:30 Patricia Ochoa Castillo—Contribuciones Científicas de un Coleccionista: Francisco Plancarte y Navarrete y el Preclásico
- 10:45 Victor Emmanuel Salazar Chavez and Jeffrey Blomster—Early Formative Public Architecture and Corporate Identity in the Mixteca Alta, Oaxaca
- 11:00 Hironori Fukuhara and Tatsuya Murakami—Living in Early Urban Center: Preliminary Results of the Tlalancaleca Archaeological Project, Puebla
- 11:15 Julia Pérez Pérez, Carmen Cristina Adriano-Morán and Ximena M. Chávez Balderas—Analysis of Microbotanical Remains from Dental Calculus: A New Approach for Ancient Diet Studies
- 11:30 Christine C. Dixon, Rachel Egan and Nan Gonlin—Natural Springs: A Critical Life Force in Ancient Costa Rica

[294] GENERAL SESSION ■ MORTUARY PRACTICES AND FUNERARY ARCHAEOLOGY II**Room:** East Meeting Room 15 (VCC)**Time:** 10:15 AM–12:00 PM**Chair:** Angela Younie**Participants:**

- 10:15 David Watt—The Nature of Place: Changing Mortuary Traditions during the Contact Period
- 10:30 Aikaterini Psimogiannou—The “Visible” Dead: Mortuary Patterns and Ceremonial Activities in the Dawn of the Bronze Age in Southern Greece
- 10:45 Jürgen van Wessel—Osteo-Grammetry: Using Photographs to Rapidly Model Large Cemeteries in Three Dimensions
- 11:00 Virginia Lucas, Claira Ralston, Anna Osterholtz, Andre Gonciar and Angelica Balos—Sacrifice or Feasting: Fauna Interpretations of the First Iron Age Romanian Commingled Assemblages at Măgura Uroiului
- 11:15 Colleen Parsley—The Mass Grave at Kulleet Bay: Bioarchaeological Evidence of Human Catastrophe
- 11:30 Angela Younie, Jack Meyer and Brian Byrd—Mound-Building, Site Structure, and Land-Use Patterns in the Sacramento-San Joaquin Delta
- 11:45 Priscilla Ferreira Ulguim—Fire and Death: Cremation as a Ritualized Funerary Practice in the Southern Brazilian Highlands

[295] FORUM ■ CARING FOR HOMELANDS, PART 2: TRIBAL HISTORIC PRESERVATION IN THE UNITED STATES*(Sponsored by Indigenous Populations Interest Group, Committee on Native American Relations)***Room:** West Meeting Room 204 (VCC)**Time:** 10:15 AM–12:15 PM**Moderators:** Sara L. Gonzalez and Patricia Garcia-Plotkin**Participants:**

- Vernelda Grant—Discussant
- Michael Black Wolf—Discussant
- Edith Leoso—Discussant
- Janine Ledford—Discussant
- Aaron Naumann—Discussant
- Kate Valdez—Discussant
- Briece Edwards—Discussant

- [296] **SYMPORIUM ■ EXPLORING MOVEMENT ON WATER: A GLOBAL COMPARISON OF NAVAL TECHNOLOGY AND NAVIGATION TECHNIQUES**
Room: West Meeting Room 205 (VCC)
Time: 10:30 AM–11:45 AM
Chairs: Adam Benfer and Emma Slayton

Participants:

- 10:30 Emma Slayton, Jan Athenstädt and Jan Hildenbrand—Modeling Water Routes through a Divide: Retracing Movement from the Greater Antilles to the Lesser Antilles in the Late Ceramic Age
10:45 Alvaro Montenegro and Scott M. Fitzpatrick—Environmental Influences on the Prehistoric Movement of Modern Humans through Wallacea
11:00 Patricia Cush and Richard Callaghan—Continuity and Evolution in the Taiwanese Sailing Raft
11:15 Adam Benfer—Faring the Sweet Sea: Simulating Prehispanic Raft and Canoe Navigation in Lake Cocibolca, Nicaragua
11:30 Cyprian Broodbank—Discussant

- [297] **GENERAL SESSION ■ WESTERN ASIAN ARCHAEOLOGY I**

Room: East Meeting Room 7 (VCC)
Time: 10:30 AM–11:45 AM
Chair: Tate Paulette

Participants:

- 10:30 Kyle Olson—Formation and Transformation of Communities in Prehistoric Khorasan
10:45 Tate Paulette—Grain, Storage, and State Making in Mesopotamia (3200–2000 BC)
11:00 Lise Truex—Working for the Palace, Working for the House: How Households Became a Neighborhood in Late Third Millennium BC Tell Asmar (Ancient Eshnunna), Iraq
11:15 Ian Jones, Mohammad Najjar and Thomas E. Levy—Economic Strategies of Provincial Elites in Ayyubid Southern Jordan
11:30 Mitch Allen and William B. Trousdale—Resuscitating an Archaeology Project: The Helmand-Sistan Project in Afghanistan, 1971–1977

- [298] **GENERAL SESSION ■ POLITIES AND INTER-POLITY DYNAMICS IN THE MAYA WORLD II**

Room: East Meeting Room 5 (VCC)
Time: 10:30 AM–12:00 PM
Chair: Evan Parker

Participants:

- 10:30 Marc Abramiuk—Preliminary Findings at the Quebrada de Oro Ruins: Shining New Light on a Classic Maya Site We Thought We Knew
10:45 Kristi Peterson—Consumption and Construction: Art, Sacra, and the Place of Empire in Postclassic Mexico
11:00 Evan Parker, George J. Bey, Tomás Gallareta Negrón and Betsy Kohut—Excavation of a Rural Middle Preclassic Maya Village: Investigations at Paso del Macho, Yucatán, Mexico
11:15 Stephanie Lozano—Teotihuacán Influence in the Maya Area as Documented by Archaeological Fieldwork and Museum Collections
11:30 Dmitri Beliaev, Philipp Galeev, Sergei Vepretskii, Camilo Luin and Alejandro Garay—Development of a Classic Maya Secondary Polity at Itzimte
11:45 Renee Collins and Rafael Guerra—In the Shadow of the Giant: Investigating the Rise and Fall of Settlement Groups Adjacent to Site Cores in the Belize Valley

[299] GENERAL SESSION ■ ARCHAEOLOGY IN THE AMERICAN MIDWEST II**Room:** East Meeting Room 20 (VCC)**Time:** 10:30 AM–12:00 PM**Chair:** James Enloe**Participants:**

- 10:30 Autumn Beyer, Terrance Martin and Jodie O'Gorman—Power and Purpose: The Role of Animals in Ritual Context at a Mid-Continental Site in the Fourteenth Century
- 10:45 Jake Pfaffenroth—Cahokian Colony or Frontier Fusion? Architectural Variability and “Mississippianization” at Aztalan, Wisconsin
- 11:00 Aaron Comstock and Robert Cook—Migration and Cultural Emplacement on the Mississippian Periphery: A Fort Ancient Example
- 11:15 Samantha Olson—Beach Party: A Review of Previous Relict Shoreline Surveys and Excavations in the 2016 Field Season at McCargoe Cove, Isle Royale National Park
- 11:30 Amanda Butler—Moving a Movement: Missions and Missionaries in Medieval North America
- 11:45 James Enloe, Amy Meehleder and James McGrath—The Tale of a Rock: Backdirt, Backfill, and Intrusive Historic Occupations of Woodpecker Cave

[300] POSTER SESSION ■ NORTH AMERICA: CALIFORNIA**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 10:30 AM–12:30 PM**Participants:**

- 300-a Lisa Bright and Joseph Hefner—A Different Kind of Poor: A Multi-method Demographic Analysis of the Santa Clara Valley Medical Center Historic Cemetery
- 300-b Joseph Curran, David Raymond and Timothy Curran—The Impact of War Clubs: An Interdisciplinary Analysis of Conflict
- 300-c Jennifer Perry, Michael Glassow, Terry Joslin, Kelly Minas and Mark Neal—Santa Barbara Island: Insights into the Prehistory of California's Channel Islands through Its Smallest Island
- 300-d Nancy Wiley, Andrew Garrison and Kassie Sugimoto—Markers of Time: Exploring Transitions in Artifacts and Burial Practices at Bolsa Chica, Orange County, California
- 300-e Julia Prince-Buitenhuis—Dietary Ethnogenesis? An Examination of Dietary Patterns at the Santa Clara Valley Medical Center Potter's Field, California
- 300-f Morgan Bender, Amira F. Ainis, Victoria Scotti and René L. Vellanoweth—Collection of Crustaceans and Echinoderms during the Middle Holocene on the West End of San Nicolas Island, California
- 300-g Owen Ford—From Mining to Mercury: Preservation of the Historic Industrial Landscape of Jackson, California
- 300-h Lauren Downs, Sandra Pentney, Marla Mealey, Nicole Turner and Natalie Brodie—Climate Change Risk Assessment of Coastal Archaeological Resources in San Diego County
- 300-i Ryan Moritz and René L. Vellanoweth—A Correlation Analysis of Expedient Stone Tools and Faunal Remains at the Tule Creek (CA-SNI-25), San Nicolas, California
- 300-j Jennifer McElhoes and Carl Lipo—Spatial, Technological, and Functional Characteristics of Ceramics along the Southern California Coast
- 300-k Shawn Fehrenbach and Ben Hammer—3D Modeling and Virtual Reality for Condition Assessments and Educational Outreach Tools Documenting Rock Art in Little Petroglyph Canyon, Naval Air Weapons Station China Lake, California

- 300-l Tamara Whitley—Tribal Collaboration in Heritage Management on the Carrizo Plain National Monument
300-m Lynn Dodd, Kevin Mercy, Nolan Leuvano and Su Jin Lee—Analysis of Spatial Characteristics and Traditional Knowledge of Freshwater Springs as a Foundation for Predictive Settlement Modeling and Identification of Submarine Groundwater Discharge
300-n Tiffany Fulkerson and Shannon Tushingham—Historical Ecology and Management of Marine Estuaries: Paleoethnobotanical and Fine Grained Constituent Results from the Manila Site (CA-HUM-321), Humboldt Bay, Northwestern California
300-o Hugh Radde—Return to the West End Site: Zooarchaeological Results from a Tongva Village on Catalina Island
300-p Candice Brennan—Prehistoric Settlement Patterns of the Los Alamitos Bay, Southern California

[301] POSTER SESSION ■ ARCHAEOLOGICAL PERSPECTIVES ON THE SOUTHWESTERN LANDSCAPE

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 301-a Kari Schleher, Kate Hughes, Jamie Merewether, Michael Lorusso and Grant Coffey—Surface Archaeology as Site Assessment: The Haynie Site and the Northern Chaco Outliers Project
301-b Michael L. Terlep, Travis Bugg, Erick Laurila and Francis E. Smiley—Covering Ground: Spatial Relationships of Prehistoric Sites on Black Mesa, Arizona
301-c Jeremy Kulisheck, Sandra Arazi-Coambs, Jess Gisler, Kathi Turner and Christina Sinkovec—An Agricultural Landscape on the Northern Mimbres Frontier, South-Central New Mexico, USA
301-d Sean Field and Carrie Heitman—Large-Scale Aerial Photogrammetry: A Comparative Case Study of Changes in the Archaeological Landscape Surrounding Pueblo Pintado, New Mexico
301-e Jennifer McCrackan and Eric Weaver—Caves of the Badlands: A Geospatial Analysis of Cave Archaeology at El Malpais National Monument
301-f Paula Hertfelder—A Spatial and Predictive Model of Archaeological Sites on the Lincoln National Forest
301-g Kendall McGill—Investigating Cedar Mesa (Utah) Settlement Pattern Behaviors Using Ideal-Free Distribution
301-h Theodore Tsouras, Michael L. Terlep, David Lewandowski and Wesley Gibson—The Site as a Moving Target: 40 Years of Change on the Dynamic Landscape of Black Mesa
301-i Gregson Schachner, Matt Peebles, Paul Reed and Kellam J. Throgmorton—Shifting Social Networks and Identity along the Southeastern Edge of the Cibola World
301-j Garth Norman—Mesoamerican Contact on the Southwest Northern Frontier

[302] POSTER SESSION ■ OCEANIA

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Participants:

- 302-a Dylan Davis and Carl Lipo—The Benefits of Short-Wave Infrared Imagery for Archaeological Landscape Analysis: A Case Study from Easter Island, Chile
302-b Carl Lipo, Robert J. DiNapoli, Alex Morrison and Terry Hunt—Spatial Association between Rapa Nui (Easter Island) Ahu and Freshwater Sources

- 302-c Michael W. Graves, Joseph Birkmann and Kekuewa Kikiloi—Integrating Archaeological and Historical Information to Identify Agricultural Features and Reconstruct Traditional Hawaiian Irrigation Networks in Windward Kohala, Hawai'i Island
- 302-d Mary Schmidt—The Kwajalein MIA Project
- 302-e Jessica Stone, Scott M. Fitzpatrick, Matthew Napolitano and Connor Thorud—Buried in the Sand: Investigations at Ucheliungs Cave, Palau, Micronesia
- 302-f Hinanui Cauchois and John O'Connor—Preliminary Investigations at Raiatea, Society Islands, French Polynesia
- 302-g Christian Reepmeyer, Mathieu Leclerc, Karen Joyce, Geoffrey Clark and Daud A. Tanudirjo—A New Method for the Identification of Temper in Pottery
- 302-h Tiina Manne, Peter Veth, Fiona Hook, Kane Ditchfield and Ingrid Ward—Understanding Pleistocene and Early Holocene Faunal Exploitation at Barrow Island, Northwest Australia
- 302-i Scott M. Fitzpatrick, Matthew Napolitano and Elliot Blair—X-ray Fluorescence (XRF) and Morphological Analysis of Trade Beads from Palau, Micronesia
- 302-j Brian Lane—Defining Territories: Exploratory Analysis in Polynesia
- 302-k Michael Price, Rebecca Bliege Bird and Douglas Bird—Assessing Hunter-Gatherer Mobility in Australia's Western Desert Using Historic Aerial Imagery from the 1950s
- 302-l Joshua Toney and Michael Desilets—Searching for the Lost Marines of Guadalcanal

[303] POSTER SESSION ■ A FLURRY OF FIELD SCHOOLS IN THE UPPER GILA AND MIMBRES DRAINAGES

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 10:30 AM–12:30 PM

Chairs: Karen Schollmeyer and Jeffery Clark

Participants:

- 303-a Jeffery Clark, Katherine Dungan and Leslie Aragon—Not Quite Coalesced: Salado Settlements in the Upper Gila
- 303-b Conner Awayda and Leslie Aragon—Site Analysis and Excavation of the Gila River Farm Site in Cliff, New Mexico
- 303-c Kaitlyn Cometa and Allen Denoyer—The Value and Availability of Quality Obsidian at Antelope Creek
- 303-d Peter Babala and Joseph Reti—Subconscious Expressions of Identity in Migrant Communities: A Look at Lithic Debitage
- 303-e Paul A. Duran, Fumiyasu Arakawa and NMSU 2015 Field School—Research Analysis of Tool-Stone Procurement Patterns in the Gila Forks Region and Beyond
- 303-f Fumiyasu Arakawa and Trevor Lea—Salvage Excavation: NMSU Summer Field Project at the South Diamond Creek Pueblo in the Northern Mimbres Region
- 303-g Emily Trautwein, Stephen Nash, Michele Koons and Deborah Huntley—The Reserve Area Archaeological Project
- 303-h Mary Whisenhunt—Survey in the York-Duncan Valley, Arizona: Understanding Patterns of Mogollon Population Aggregation and Dispersal
- 303-i Adam Sezate—Prehistoric Pipe Replication and Analysis: A Deeper Look into the Bowl
- 303-j John Roney, Robert Hard, Karen Adams, A. C. MacWilliams and Andrea Thomas—The Early Agricultural Period on the Upper Gila River, Arizona
- 303-k Lori Barkwill Love—Revisiting the Mogollon Early Pithouse Period
- 303-l Kristin Corl, John Roney, Mary Whisenhunt and Robert Hard—Settlement Patterns of Salado Period Occupations in the Duncan/York Valley on the Upper Gila River

- 303-m Danielle Romero, Barbara Roth and Darrell Creel—Chasing Tlaloc and Dragonflies in the Mimbres Valley: An Analysis of Ceramic Distribution and Style
303-n Patrick Depret-Guillaume—God's Empire: Ritual, Repression, and Resistance on the Rio Grande, 1300–1848
303-o Karen Schollmeyer and S. O. MacDonald—A Natural and Unnatural History of Faunal Change in Southwestern New Mexico since AD 500

[304] POSTER SESSION ■ ARCHAEOLOGY ALONG THE PAINTED DESERT: CURRENT RESEARCH IN PETRIFIED FOREST NATIONAL PARK
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 10:30 AM–12:30 PM
Chair: William Reitze

Participants:

- 304-a William Reitze and Amy Schott—Building on an Archaeological Record: Preliminary Results of the Three-Year Petrified Forest Boundary Expansion Survey
304-b Alexandra Covert—Following the Shell Trail: Analysis of Prehistoric Shell at Petrified Forest National Park
304-c Cody Dalpra—Landscape Importance in Northern Arizona: An Application of Ethnographic Voices and Quantitative Viewshed Analysis
304-d Katrina Erickson, Melyssa Huston and William Reitze—A History of Service: The Civilian Conservation Corps at Petrified Forest
304-e Selena Soto—On the Road Again
304-f Signe Valentinsson—Early Pottery at Petrified Forest National Park

[305] SYMPOSIUM ■ ECOLOGICAL PERSPECTIVES ON HOMININ LANDSCAPE USE DURING THE EARLY STONE AGE OF AFRICA
Room: West Meeting Room 206 (VCC)
Time: 10:45 AM–12:00 PM
Chairs: Charles P. Egeland, Ryan M. Byerly and Victoria P. Johnson

Participants:

- 10:45 Julio Mercader Florin, Robert Bird, Mariam Bundala, Fernando Diez-Martin and Manuel Dominguez-Rodrigo—Acheulean Hominin Ecology: Organic Residue on Lithics as Evidence of Plant Processing
11:00 Cynthia M. Fadem, Gavin Curry, Gabriel Rehm and Matthew Evans—Paleoecological Assessment of the Douglas Korongo East and Bell's Korongo East Sites, Olduvai Gorge, Tanzania
11:15 Cory A. Henderson, Ryan M. Byerly, Cynthia M. Fadem, Curran Fitzgerald and Charles P. Egeland—Patterns of Hominin Land Use and Raw Material Procurement in the Paleo-Olduvai Basin, Tanzania
11:30 Jonathan S. Reeves, David R. Braun and Matthew Douglass—Behavioral Inferences from Early Stone Age Sites: A View from the Koobi Fora Formation
11:45 Briana Pobiner—Early Stone Age Hominin Habitat Preferences: Predictions from a Modern Taphonomic and Ecological Study in Kenya

[306] SYMPOSIUM ■ PAINTING AND CARVING THE UNDERWORLD: THE ARCHAEOLOGY OF GUERRERO THROUGH ITS CAVES
Room: East Exhibit Hall A (VCC)
Time: 10:45 AM–12:00 PM
Chair: Gerardo Gutiérrez

Participants:

- 10:45 Mary E. Pye and Gerardo Gutiérrez—Ritual Landscapes and Cave Networks of Eastern Guerrero, Mexico

- 11:00 Israel Hinojosa-Balino and Gerardo Gutiérrez—Applications of Photogrammetry in Understanding Spatial and Ritual Contexts of Caves in the La Montaña Region, Eastern Guerrero
- 11:15 Alejandro Morales, Gerardo Gutiérrez, Michelle Goman, Israel Hinojosa-Balino and Mary E. Pye—Excavations in Cacalotepeci Cave, Chiepetlan: Paleoindian Enigma and Late Postclassic–Early Colonial Transition
- 11:30 Mariana Sanders, Gerardo Gutiérrez and James Córdova—Examination of Mural Pigments with Portable XRF in the Caves of Eastern Guerrero with Comparisons to Local Colonial Lienzos and Documents
- 11:45 Gerardo Gutiérrez, James Córdova and Mary E. Pye—Who Are the Olmec in Eastern Guerrero? From Grafitti to Monuments in the Caves of Guerrero

[307] GENERAL SESSION ■ ADVANCES IN GEOARCHAEOLOGICAL RESEARCH METHODS I**Room:** East Meeting Room 4 (VCC)**Time:** 10:45 AM–12:00 PM**Chair:** Michael Wilson**Participants:**

- 10:45 Robert Rowe—Prehistoric Mining in the High Mountains of Northern Colorado
- 11:00 Wolfgang Alders and Abdallah Khamis Ali: Preliminary Results of Geoarchaeological Sampling and Survey to Investigate Landscape History in Northern Unguja, Zanzibar
- 11:15 Shari Silverman—Hood Canal, Washington: A Geoarchaeological Examination of Land Use
- 11:30 Rolfe Mandel—Geoarchaeology of the Coffey Site, Northeastern Kansas: Implications for Finding the Material Remains of Paleoamericans in the Eastern Plains, USA
- 11:45 Michael Wilson, Christopher L. Hill, Patrick J. Rennie, David C. Batten and Linda Scott Cummings—Geoarchaeology and Chronostratigraphy of the Sheep Rock Spring Site, Late Pleistocene to Holocene, Missouri River Headwaters Region, Southwest Montana

[308] GENERAL SESSION ■ PERUVIAN ARCHAEOLOGY**Room:** East Meeting Room 8 (VCC)**Time:** 11:00 AM–12:00 PM**Chair:** Kayleigh Sharp**Participants:**

- 11:00 Henry Tantaleán, Alexis Rodríguez Yábar, Kelita Pérez Cubas and Charles Stanish—The Pinta Ceramic Phase: Explaining a Paracas Ceramic Phase from Cerro del Gentil
- 11:15 Elsa Tomasto-Cagigao and Luis Jaime Castillo—Artisan Production and Morphological Changes in Skeletons from San Jose de Moro (North Coast of Peru)
- 11:30 Kayleigh Sharp and Juan Martinez—Multi-crafting in Coexisting Gallinazo-Moche Contexts at Songoy-Cojal, North Coast, Peru
- 11:45 Alicia Gorman, Kevin Vaughn and Michiel Zegarra Zegarra—A Ceramic Investigation into the Relationship between Emergent Complexity and Religion on the South Coast of Peru

Saturday Afternoon ■ April 1, 2017**[309] SYMPOSIUM ■ REGIONAL CONNECTIONS IN NORTHERN ETHIOPIA AND ERITREA:
RELATIONSHIPS BETWEEN THE EASTERN, WESTERN, AND CENTRAL HIGHLANDS**
(Sponsored by Society of Africanist Archaeologists)**Room:** West Meeting Room 206 (VCC)**Time:** 1:00 PM–2:30 PM**Chair:** Rachel Moy**Participants:**

- 1:00 Willeke Wendrich—Discussant
1:15 Hans Barnard—Cultural Continuity along the Western Red Sea Littoral
1:30 Dil Basanti—Network Approaches to Cosmopolitanism in Ancient Ethiopia (50–700 AD)
1:45 Matthew Curtis—Revisiting the Ancient Ona Culture of Eritrea: What Previous Research from the Asmara Plateau Might Offer for New Understandings of the First Millennium BCE in the Northern Horn of Africa
2:00 Rachel Moy—Mai Adrasha and Its Neighbors
2:15 Terrah Jones, Rachel Moy and Hans Banard—Storage, Cooking, and Transport: A Preliminary Residue Analysis of Ceramics from Mai Adrasha

**[310] SYMPOSIUM ■ THE PRECOLUMBIAN ANTIQUITIES MARKET: REFLECTIONS, CRITIQUES,
AND EFFECTING CHANGE****Room:** West Meeting Room 202 (VCC)**Time:** 1:00 PM–2:30 PM**Chairs:** Cara G. Tremain and Donna Yates**Participants:**

- 1:00 Nancy Kelker—Forgery and the Precolumbian Art Market
1:15 Karen Bruhns—Designer Antiquities: A Current Trend in the Not So Honest Antiquities Trade
1:30 Laura Wingfield—Collecting Costa Rican and Nicaraguan Art: On the Case of Enrique Vargas Alfaro, Dealer
1:45 Adam Sellen—Ancient Zapotec Material Culture and the Antiquities Market
2:00 Cara G. Tremain—The Many Lives of Maya Antiquities: Tracking Distribution and Redistribution through Auction Catalogues
2:15 Donna Yates—Discussant

**[311] PAST PRESIDENT SESSION ■ A CELEBRATION OF THE LIFE AND WORK OF DR. DENA
FERRAN DINCAUZE (1934–2016)****Room:** East Meeting Room 20 (VCC)**Time:** 1:00 PM–3:00 PM**Moderators:** Elizabeth Chilton and Mary Ann Levine**Participants:**

- Kenneth Sassaman—Discussant
Alice Kehoe—Discussant
Robert Hasenstab—Discussant
Robert Paynter—Discussant
Catherine Carlson—Discussant
Elizabeth Chilton—Discussant
George Nicholas—Discussant
Michael Nassaney—Discussant
Mary Ann Levine—Discussant

[312] FORUM ■ CURRENT CHALLENGES IN USING 3D DATA IN ARCHAEOLOGY**Room:** East Meeting Room 5 (VCC)**Time:** 1:00 PM–3:00 PM**Moderators:** Heather Richards-Rissetto, Elaine Sullivan and Rachel Opitz**Participants:**

Derek Counts—Discussant

Kevin Fisher—Discussant

Herbert Maschner—Discussant

Ethan Watrall—Discussant

Gregory Tucker—Discussant

Adam Rabinowitz—Discussant

[313] FORUM ■ ANIMAL ARCHAEOLOGY**Room:** East Meeting Room 4 (VCC)**Time:** 1:00 PM–3:00 PM**Moderators:** Michael Haslam and Natalie Uomini**Participants:**

Steven Emslie—Discussant

Sonia Harmand—Discussant

Michael Haslam—Discussant

Iain McKechnie—Discussant

Martin Tinker—Discussant

Natalie Uomini—Discussant

**[314] LIGHTNING ROUNDS ■ BREAKING NEWS! LIGHTNING STRIKES CROWD OF
ARCHAEOLOGISTS AT SAA ANNUAL MEETING: STUNNED SPECTATORS WALK AWAY
WITH AMAZING STORIES OF ETHNOARCHAEOLOGY, EXPERIMENTAL, AND CULTURAL
STUDIES RESEARCH****Room:** East Meeting Room 7 (VCC)**Time:** 1:00 PM–3:00 PM**Moderators:** Liam Frink and Kathryn Arthur**Participants:**

James Skibo—Discussant

Jeremy Cunningham—Discussant

Evan Peacock—Discussant

Aubrey Cannon—Discussant

Matthew Walls—Discussant

Stefano Biagiotti—Discussant

Briana Doering—Discussant

Katherine Grillo—Discussant

Miriam Stark—Discussant

Grant McCall—Discussant

Diana Ewing—Discussant

Diane Lyons—Discussant

[315] LIGHTNING ROUNDS ■ BREAKING GROUND WITHOUT A SHOVEL: COLLECTIONS-BASED RESEARCH IN THE FIELD OF ARCHAEOLOGY

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

Room: West Meeting Room 207 (VCC)

Time: 1:00 PM–3:00 PM

Moderators: Jenna Domeischel and April Kamp-Whittaker

Participants:

Terry Childs—Discussant

Lynne Sullivan—Discussant

Sarah Striker—Discussant

Danielle Benden—Discussant

Matt Peeples—Discussant

Erin Baxter—Discussant

Julia King—Discussant

Lourdes Henebry-DeLeon—Discussant

Leon Natker—Discussant

Amy Margaris—Discussant

[316] SYMPOSIUM ■ MULTIDISCIPLINARY RESEARCH AT CASTILLO DE HUARMEY, PERU

Room: East Meeting Room 3 (VCC)

Time: 1:00 PM–3:15 PM

Chairs: Wieslaw C. Wieckowski and Milosz Giersz

Participants:

1:00 Milosz Giersz—Recent Advances on Multidisciplinary Research at Castillo de Huarmey

1:15 Julia Chyla—El Castillo and Its Regional Context in Huarmey Valley through GIS

1:30 Patrycja Przadka-Giersz—Ladies of Castillo de Huarmey: Women's Wealth and Power during the Wari Empire

1:45 Jeffrey Splitstoser and Milosz Giersz—Wari-Style Khipus from Castillo de Huarmey

2:00 Wieslaw C. Wieckowski, Kelly Knudson and Lars Fehren-Schmitz—Bioarchaeological Research at Castillo de Huarmey, Peru

2:15 Weronika Tomczyk—Local Food, Exotic Sacrifices: The Tentative Summary of the Animal Management in Castillo de Huarmey

2:30 Isabelle Druc, Roberto Pimentel Nita, Maciej Kalaska, Rafal Siuda and Marcin Syczewski—Ceramic Production for Castillo de Huarmey, Peru: Multiple Productions and Buzzing Potters

2:45 Krzysztof Makowski—Religion and Power in the Middle Horizon: Castillo de Huarmey Imagery and Styles

3:00 Questions and Answers

[317] SYMPOSIUM ■ COLONIAL CONSEQUENCES: RESULTS FROM THE ARCHAEOLOGICAL SURVEY OF COLONIAL DOMINICA

Room: West Meeting Room 210 (VCC)

Time: 1:00 PM–3:15 PM

Chair: Mark Hauser

Participants:

1:00 Mark Hauser—Archaeological Survey of Colonial Dominica

1:15 Tessa Murphy—The Colony of a Colony? The Establishment of Plantations in Dominica, c. 1730–1763

1:30 Alan Armstrong—Chronological Evidence of Material and Landscape Changes Associated with a Shift in Colonial Control at the Morne Patate Plantation, Dominica

- 1:45 Khadene Harris—A Yard and Its Belongings: Archaeological Research of Laborer Houseyards on the Morne Patat Estate, Dominica
2:00 Jillian Galle and Lynsey Bates—“Jouer sur du velours”: Archaeological Evidence of Gaming on Sites of Slavery in the Caribbean and United States
2:15 Sarah Oas—Plantation Environments and Economics: Household Food Practices at Morne Patate
2:30 Diane Wallman—Subsistence Economies at Morne Patate: A Zooarchaeological Analysis of a Colonial Plantation Landscape in Dominica
2:45 Samantha Ellens—Tracing the Post-emancipation Landscape of Dominica’s Lime Industry
3:00 Kenneth Kelly—Discussant

[318] SYMPOSIUM ■ MOBILIZING THE PAST: ARCHAEOLOGY AS ACTIVISM*(Sponsored by Queer Archaeology Interest Group)***Room:** East Meeting Room 9 (VCC)**Time:** 1:00 PM–3:15 PM**Chair:** Meghan Walley**Participants:**

- 1:00 Matthew Litteral—More Than a Pair of Hands: The Education and Rights of Local Field-Workers
1:15 Samantha Easy—Archaeology as Storytelling
1:30 Julia Brenan—Birch Island: The Archaeology and Memory of Resettlement
1:45 Questions and Answers
2:00 Chelsea Blackmore and Shankari Patel—Activist Archaeology and Queer Feminist Critiques in Mesoamerican Archaeology
2:15 Megan Springate—Leading Each Other to Water: Queer Archaeology and Consciousness Raising in New York’s Adirondacks
2:30 Genevieve Godin—Inclusive Heritage: Learning from Urban Art in Berlin
2:45 Meghan Walley—Queering the Inuit Past: Archaeology as LGBTQ Allyship
3:00 Larry Zimmerman—Discussant

[319] SYMPOSIUM ■ TOWARD A SOCIAL ARCHAEOLOGY OF FOOD IN NORTHERN NORTH AMERICA**Room:** East Meeting Room 14 (VCC)**Time:** 1:00 PM–3:30 PM**Chairs:** Donald H. Holly and Matthew Boyd**Participants:**

- 1:00 Donald H. Holly—Toward a Social Archaeology of Food in Later Newfoundland Pre/History
1:15 Gabriel Hrynick, Susan Blair, Katherine Patton and Jesse Webb—Wabanaki Foodways in the Protohistoric Quoddy Region: Hunter-Gatherer Continuity, Change, and Specialization in a Changing Social Seascape
1:30 Jessica Watson—Cultural Dimensions of Food Procurement on Martha’s Vineyard
1:45 Karine Tache—Early Pottery and the Quest for Fat in Northeastern North America
2:00 Kathryn Frederick and Meghan Howey—What’s in a Hole? Memory, Knowledge, and Personhood in the Cache Pit Food Storage Features of Northern Michigan
2:15 Questions and Answers
2:30 Matthew Boyd, Megan Wady, Andrew Lints, Clarence Surette and Scott Hamilton—Prestige Foods and the Adoption of Pottery by Subarctic Foragers
2:45 Paul Prince—The Beaver of Children and the Poor: The Social Dimension of Fur-Bearing Mammal Exploitation in Central British Columbia

- 3:00 Paul Ewonus—The Social Implications of Elk Hunting for Ancestral Coast Salish Communities
3:15 Christyann M. Darwent and Jeremy Foin—Gendered Differences in the Consumption and Discard of Food in Arctic Alaska

[320] SYMPOSIUM ■ CHARTING THE EVOLUTION OF THE TRES ZAPOTES POLITY: RESULTS OF THE RRATZ 2014–2016 FIELD SEASONS
Room: West Meeting Room 203 (VCC)
Time: 1:00 PM–3:30 PM
Chairs: Christopher A. Pool and Michael L. Loughlin

Participants:

- 1:00 Christopher A. Pool, Michael L. Loughlin and Ashley Whitten—Charting Long-Term Social Stability in the Tres Zapotes Region: Theory, Method, and Settlement Patterns
1:15 Ramesh Shrestha and Juan C. Fernandez Diaz—Challenges and Opportunities to the Lidar Mapping of the Tres Zapotes Region
1:30 Zurisadai Hernández Morales and Michael L. Loughlin—Documentando la Destrucción de Montículos con Detección Remota
1:45 Shayna Lindquist—Intraregional Variation in the Obsidian Industry of the Eastern Lower Papaloapan Basin of Mexico
2:00 Erin Sears—You're Not from Around Here, Are You? Ceramic Figurines and Interregional Interaction in the Tres Zapotes Region
2:15 Michael L. Loughlin—Classic Period Architectural Variation and Interregional Interaction: A View from the Tres Zapotes Hinterland
2:30 Kyle Mullen—Dune Settlement in the Wake of Tres Zapotes
2:45 Gabriela Montero Mejía and Marcie Venter—Paradox No More? Postclassic Mazapa and Its Regional Context
3:00 Annick J. E. Daneels—Discussant
3:15 Questions and Answers

[321] GENERAL SESSION ■ MESOAMERICAN RITUAL STUDIES
Room: East Meeting Room 19 (VCC)
Time: 1:00 PM–3:30 PM
Chair: Andrew Wyatt

Participants:

- 1:00 Kerry Sagebiel and Helen Haines—Ancestors, Agency, and Formation Processes: Interpreting Problematical “Smash and Trash Deposits” at Ka’Kabish, Belize
1:15 Erin Thornton, Richard Hansen and Edgar Suyuc-Ley—Ancient Maya Animal Use at El Mirador: Subsistence, Ceremony, Exchange, and Environmental Resiliency
1:30 Kelsey Sullivan and Jaime Awe—Eccentric Caching Practices of the Belize Valley
1:45 Chrissina C. Burke, Katie Tappan, Gavin Wisner and Gregory Allen—Ritual Fauna Use in an Elite Ancient Maya Burial: Examination of an Animal Long-Bone Cache in the Recently Discovered Royal Tomb at Xunantunich, Belize
2:00 Kaitlin Ahern—Reexamining the Identity of Reverential Termination Rituals in the Maya Lowlands
2:15 Jeffrey Davis, Julie Hoggarth and Jaime Awe—Artifactual Composition of Terminal Deposits from the Classic Maya site of Baking Pot, Belize
2:30 Bradley Russell—All the Gods of the World: Modern Maya Agricultural and Rain Ritual in Yucatán, Mexico
2:45 Jessica Hotaling, William Saturno, Boris Beltran and Shintaro Suzuki—The Role of Offerings in Interpreting Maya Mortuary Ritual: Bioarchaeological Analysis at Xultún

- 3:00 Caitlin Earley—Captive Bodies, Captive Power: Reexamining the Role of the Captive in Ancient Maya Art
3:15 Andrew Wyatt, Cameron S. Griffith and Rebecca Friedel—The Archaeobotany of Ritual: The Role of Palm (*Arecaceae*) in Ancient Maya Caves

[322] SYMPOSIUM ■ LOCAL RESPONSES TO REGIONAL INTEGRATION IN POSTCLASSIC MESOAMERICA
Room: East Meeting Room 13 (VCC)
Time: 1:00 PM–3:45 PM
Chairs: Angela Huster and Nezahualcoyotl Xiuhtecutli

Participants:

- 1:00 Jennifer Meanwell, Elizabeth H. Paris and Roberto Lopez Bravo—Shifting Domestic Economies at Postclassic Period Moxviquil: Insights from Ceramic Petrography
1:15 Kirby Farah—Big Changes in Little Places: An Examination of the Political Strategies of Leaders at Late Postclassic Xaltocan, Mexico
1:30 Angela Huster—Characterization of Local and Aztec Rule at Calixtlahuaca
1:45 Bradford Andrews—A Postclassic City with No Blade Workshops: How Did the Calixtlahuacans Get Their Stone Tools?
2:00 Nezahualcoyotl Xiuhtecutli, Aurelio López Corral and A. Gabriel Vicencio—Navigating a Shifting Landscape: Tlaxcallan Trade in the Late Postclassic
2:15 Anna Cohen—Advertising the Empire: Purépecha Strategies in the Imperial Heartland at Angamuco, Michoacán
2:30 Karine Lefebvre—Ruptura y Continuidad: El Impacto de la Conquista Tarasca en la Región de Acámbaro–Maravatío
2:45 Verenice Y. Heredia Espinoza and Christopher Beekman—Confronting Conflict in the Tequila Region: Spatial Configurations in a Bellicose Landscape
3:00 Questions and Answers
3:15 Lisa Overholtzer—Discussant
3:30 Michael Smith—Discussant

[323] SYMPOSIUM ■ SPATIAL APPROACHES TO CRAFT PRODUCTION
Room: East Meeting Room 15 (VCC)
Time: 1:00 PM–4:00 PM
Chair: Nathaniel Erb-Satullo

Participants:

- 1:00 Nathaniel Erb-Satullo—Space and Scale in Reconstructions of the Social Organization of Craft Production
1:15 Mitch Hendrickson, Stephanie Leroy, Enrique Vega, Quan Hua and Philippe Dillmann—The Industry of Empire: Investigating the Spatial and Technological Organization of Angkorian Iron Production around Phnom Dek, Cambodia
1:30 Mary Clarke, Franco Rossi, Boris Beltran and William Saturno—Inequality and Gender in Spaces of Craft Production
1:45 Izumi Shimada—Nested-Context Perspective of Craft Production: Middle Sicán Metallurgy
2:00 Kathryn Morgan—The Vestments of My Mysteries: Craft Production and the Ritual Economy at Iron Age Gordion
2:15 Marcos Martín-Torres, Xiuzhen Li and Andrew Bevan—Reverse Engineering China's Terracotta Army through Morphometric and Spatial Analyses
2:30 Colleen Zori—Multiscalar Analysis of Copper and Silver Production under the Inka: A Case Study from Northern Chile

- 2:45 Brigitte Kovacevich, Duncan Cook, Michael Callaghan and Dawn Crawford—The Complement of Geochemical Soil Data to Artifact Patterns in the Study of Craft Production: A Case Study from Cancuen, Guatemala
3:00 Bryan Hanks, Roger Doonan, Nikolai Vinogradov and Elena Kupriyanova—Geophysical and Geochemical Spatial Approaches to Early Copper Metal Production among Bronze Age Communities in the Southern Urals, Russia
3:15 Eleni Hasaki—Space, Workforce, and Scale of Production: Ethnoarchaeological Approaches to Craft Workshops in Ancient Mediterranean
3:30 Cathy Costin—Discussant
3:45 Questions and Answers

[324] SYMPOSIUM ■ POWER FROM BELOW: COLLECTIVITY AND HETERARCHY IN GLOBAL PERSPECTIVE

Room: West Meeting Room 204 (VCC)

Time: 1:00 PM–4:00 PM

Chairs: T. L. Thurston and Manuel Fernandez-Gotz

Participants:

- 1:00 Felipe Criado-Boado, Lois Armada, César Parcero-Oubiña and Alfredo González-Ruibal—Materialization of Social Resistance: Trends on Northwest Iberia Late Prehistory and Protohistory and Beyond
1:15 Bettina Arnold—"And Make Some Other Man Our King": Mortuary Evidence for Labile Elite Power Structures in Early Iron Age Europe
1:30 David González Álvarez and Tom Moore—Societies against the Chief? Reassessing the Value of "Heterarchy" as a Concept for Describing European Iron Age Societies
1:45 Manuel Fernandez-Gotz—Collective Action in Iron Age Europe: Public Assemblies as Arenas for Participatory Government
2:00 Alexandra Sammark—Assembly Sites: Arenas of Interplay between the Elite and Wider Community in Late Iron Age Scandinavia
2:15 T. L. Thurston—Reversals of Fortune: Understanding Shifts in Political Power from Above and Below
2:30 Monica Smith and Rabindra Kumar Mohanty—Does the Site-Size Hierarchy Concept Mask the Complexity of Urban-Hinterland Relations?
2:45 Paul Roscoe—The Perplexing Complexity of Some New Guinea Communities
3:00 Lane Fargher and Richard Blanton—Peasants, Agricultural Intensification, and Collective Action in Premodern States
3:15 Richard Blanton—Collective Action in State Building, Past and Present
3:30 Carole Crumley—Assembling Conceptual Tools to Examine the Moral and Political Structures of the Past
3:45 Kristian Kristiansen—Discussant

[325] SYMPOSIUM ■ LANDCOVER6K: USING ARCHAEOLOGY TO IMPROVE CLIMATE MODELS

Room: East Meeting Room 18 (VCC)

Time: 1:00 PM–4:00 PM

Chair: Kathleen Morrison

Participants:

- 1:00 Kathleen Morrison—LandCover6K: Using Archaeology to Improve Climate Models
1:15 Jed Kaplan, Andrea Kay and Leanne Phelps—Anthropogenic Land Cover Change over the Last 6,000 Years: How Can We Use Archaeology to Inform Global Models?
1:30 Laura Popova—Pastoral Categories for LandCover6K

- 1:45 Umberto Lombardo—Estimating the Precolumbian Population of Southwestern Amazonia
- 2:00 Eduardo Neves—Landscape Domestication during the Middle Holocene in the Tropics: New Data from Southwestern Amazonia
- 2:15 Manuel Arroyo-Kalin—How Many, How Few, How Long: Precolumbian Population Density and Human Impact in Precolumbian Amazonia
- 2:30 Mark Lycett, Andrew Bauer, Mannat Johal and Marco Madella—6,000 Years of South Asia: Implications for Climate Modeling
- 2:45 Alice Yao—Land Use and Field Ecologies in Southwest China
- 3:00 Zhen Qin, Tristram Kidder and Haiwang Liu—An Interactive Scenario of Agricultural Intensification and Environmental Evolution: A Case Study at Sanyangzhuang Site
- 3:15 Ha Beom Kim and Gyoung-Ah Lee—Preliminary Spatial Analysis of the Middle Mumun Culture's Land-Use Pattern in South-Central Region of Korea
- 3:30 LuAnn Wandsnider—LandUse6k North America: Report and Implications
- 3:45 Emily Hammer—Discussant

[326] SYMPOSIUM ■ NICA NEWS: RECENT ARCHAEOLOGICAL RESEARCH IN NICARAGUA

Room: East Meeting Room 10 (VCC)

Time: 1:00 PM–4:15 PM

Chair: Geoffrey McCafferty

Participants:

- 1:00 Markus Reindel, Franziska Fecher and Peter Fux—New Investigations on the Northeast Coast of Honduras
- 1:15 Ivonne Miranda Tapia and Jorge Zambrana—Patrones Funerarios en Tres Sitios del Departamento de Managua, Nicaragua
- 1:30 Lucy Gill, Natalia Donner, Irene Torreggiani, Antonio Barragán Montero and Alexander Geurds—Interdisciplinary Investigations of the San Gabino Site, Chontales, Nicaragua
- 1:45 Shaelyn Rice, Geoffrey McCafferty, Sharisse McCafferty and Dieuwertje van Boekel—The 2016 Season at El Rayo, Nicaragua: Civic-Ceremonial Structures, Tombs, and Feasting from the Bagaces to Sapoa Transition
- 2:00 Emilie LeBrell and Geoffrey McCafferty—About Face: A Head-On Examination of Precolumbian Social Identity
- 2:15 Questions and Answers
- 2:30 Matthew Abtoway—Exploring the Viability of Geochemically Sourcing Elaborate Metates through XRF Spectroscopy
- 2:45 Jason Paling, Hannah Dutton and Justin Lowry—Ceramic Compositional Analysis from Chiquilistagua, Nicaragua
- 3:00 Ashley Gravlin Berman—A Seriation of Local Ceramics from Cosmapa Oriental, Department of Chinandega, Nicaragua
- 3:15 Larry Steinbrenner—Pots, People, and Pacific Nicaragua: Misconceptions about Migrant Mesoamericans and Material Culture
- 3:30 Evan Sternberg, Justin Lowry and Jason Paling—Contemplating Trade Corridors: Cost and Pathway Analysis around Managua, Nicaragua
- 3:45 Alexander Geurds—Discussant
- 4:00 Silvia Salgado—Discussant

- [327] **SYMPOSIUM ■ CONNECTIVITY AND COMMUNITIES OF PRACTICE IN LOWLAND SOUTH AMERICA**
(Sponsored by Leverhulme Trust [RPG-2013-234])
Room: East Meeting Room 17 (VCC)
Time: 1:00 PM–4:15 PM
Chair: Phil C. Riris

Participants:

- 1:00 Morgan Schmidt, Anne Rapp Py-Daniel, Marcos Pereira Magalhães, Helena Lima and Vera Guapindaia—Daily Practices and the Creation of Cultural Landscapes in Amazonia
1:15 Fabiola Silva—Communities of Practice and Variability/Standardization of the Ceramic Assemblages: The Indigenous People Asurini Do Xingu
1:30 Natalia Lozada Mendieta—Ceramic Variability and Social Interaction in the Middle Orinoco: On Multiethnic Communities and Ceramic Traditions in the Late Occupation Period (AD 500–1500)
1:45 Monika Therrien—Satisfying Needs and Negotiating Freedom in Colonial Spanish American Cities
2:00 Fernando Ozorio de Almeida—When Traditions Are Manufactured, Used, and Broken: Examples from Tupian Contexts in Amazonia
2:15 Jennifer Watling, Eduardo Góes Neves, Guilherme Mongeló and Thiago Kater—From the First to the Last Terras Pretas: Changes in Cultural Behavior and Terra Preta Formation in the Upper Madeira River, Southwest Amazonia
2:30 Cristiana Barreto and Helena Lima—Understanding the Dispersion of Ceramic Styles in the Lower Amazon: What Is Koriabo?
2:45 Bruna Rocha and Vinicius Oliveira—Connectivity beyond the Floodplains: The Case of the Upper Tapajós
3:00 Phil C. Riris—Conceptual and Technical Connectivity in Indigenous South American Rock Art Traditions
3:15 John Walker—Inequality and Taskscape in a Precolumbian Agricultural Landscape
3:30 Sanna-Kaisa Saunaluoma—Late Precolonial Circular Villages in the Brazilian State of Acre
3:45 Questions and Answers
4:00 Ann Stahl—Discussant

- [328] **SYMPOSIUM ■ PROTECCIÓN DEL PATRIMONIO CULTURAL EN MÉXICO, A TRAVÉS DE LA DIRECCIÓN DE REGISTRO PÚBLICO DE MONUMENTOS Y ZONAS ARQUEOLÓGICOS E HISTÓRICOS**
Room: West Meeting Room 209 (VCC)
Time: 1:00 PM–4:15 PM
Chairs: Isaac David Ramirez Rizo, Vania Carrillo Bosch and Nancy Dominguez

Participants:

- 1:00 Silvia Mesa Dávila—Legal Premises Involved in the Archaeological Registry
1:15 Maribel Piña Calva and Pedro Francisco Sánchez Nava—El Registro de los Monumentos Arqueológicos como una Forma de Protección
1:30 Omar Silis García and Pablo Daniel López Sánchez—Archaeological Property “Bienes Muebles” Registry in Particular Custody Such as a Heritage Cultural Protection Mechanism
1:45 María Yanire Martínez Ceceña—Internal Control and Management of Cultural Tangible Assets in Mexico: A First Step for Their Protection
2:00 Wanda Hernández Uribe—Registration of Movable Historical Nature in the Public Registry of Monuments: Advances and Challenges
2:15 Felisa Aguilar, Ana Rugerio and Ulises Cano—From Scientific Specimens and

- Curiosities of Nature to Heritage Assets: Their Listing in the Public Registry of Archaeological Zones and Monuments
2:30 Nancy Dominguez—The Importance of Updating Information: The “Proyecto de Actualización y Digitalización de las Cédulas del Registro Público”
2:45 Elide Núñez Escaldón—The Current Work of “Sistema de Registro Público de Monumentos y Zonas Arqueológicas E Históricos” in Mexico
3:00 Denia Berenice Villanueva Ruiz—The Registry System Implementation for the Heritage Cultural Protection in Latin America: The Case of Mexico
3:15 Isaac David Ramirez Rizo—La Importancia de Registro Público para la Investigación Arqueológica en México: Un Análisis Geoespacial de los Registros de Piezas en Custodia de Personas Físicas y Morales
3:30 Diana Gonzalez Omaña—San Marcos Jilotzingo: Heritage Issues after 900 Years of Continuous Occupancy
3:45 Blanca Paredes Gudino—Relevance to the Registry of Archaeological Sites for Their Protection—Project: Milpa Alta’s Cultural Landscape
4:00 Vania Carrillo Bosch, Aline Magnoni and Travis Stanton—Protection of Cultural Heritage: The Case of Yaxcabá and Yaxunah, Yucatán

[329] SYMPOSIUM ■ INTEGRATING AND DISINTEGRATING IN CENTRAL YUCATÁN: ARCHAEOLOGICAL APPROACHES TO SOCIAL CHANGE AT MULTIPLE SCALES
Room: East Meeting Room 16 (VCC)
Time: 1:00 PM–4:30 PM
Chairs: Ryan Collins and Chelsea Fisher

Participants:

- 1:00 Ryan Collins—Monumental Recycling: The Inevitably Perilous Relationship between Shifting Integrative Strategies and Yaxuná’s E-Group Plaza (900 BCE to 100 CE)
1:15 Chelsea Fisher—Integrating Generations on the Formative Maya Landscape: Households and Communities at Tzacaul
1:30 Travis Stanton, Aline Magnoni, Jessica Wheeler and Nicolas Barth—Using Lidar and Ground Survey to Understand Regional Settlement Patterns in Terminal Classic Central Yucatán
1:45 Harper Dine and Traci Ardren—Famine Foods and Food Security in Ancient and Modern Yaxuna
2:00 Julie K. Wesp, Traci Ardren, Melissa Haun, Harper Dine and Roger Sierra—(Re)integrating Cultures at Cacalchen: Recent Excavations at Two Rural Chapels in Central Yucatán
2:15 Barry Kidder, Scott Hutson, Jacob Welch, Daniel Vallejo-Cáliz and Shannon Plank—From Household to Polity: (Dis)integration along the Ucí-Cansahcab Causeway in the Northern Maya Lowlands
2:30 Dylan Clark—Sea Change: Maritime Maya Lifeways, Social Organization, and Dynamics at the Port of Isla Cerritos, Yucatán
2:45 Stephanie Miller—The Ghost of Functionalism
3:00 Nelda Marengo—Integrating and Disintegrating the North Acropolis of Yaxuna, Yucatán, Mexico
3:15 Gustavo Novelo Rincon—La Arquitectura como Indicador de Integración Social en la Región de Yaxuná
3:30 Aline Magnoni, Travis Stanton, Vania Carillo Bosch, Cesar Torres Ochoa and Tanya Cariño Anaya—in the Realm of Lady Six Sky: The Place of Ikil in the Late-Terminal Classic Itza Landscape
3:45 Questions and Answers
4:00 Daniela Triadan—Discussant
4:15 David Freidel—Discussant

[330] SYMPOSIUM ■ INVESTIGATING THE HUNTER-GATHERERS OF LAKE BAIKAL AND HOKKAIDO: INTEGRATING INDIVIDUAL LIFE HISTORIES AND HIGH-RESOLUTION CHRONOLOGIES*(Sponsored by Baikal-Hokkaido Archaeological Project)***Room:** East Meeting Room 8 (VCC)**Time:** 1:00 PM–4:30 PM**Chairs:** Rick J. Schulting and Andrzej Weber**Participants:**

- 1:00 Andrzej Weber—Middle Holocene Hunter-Gatherer Archaeology in the Baikal Region, Siberia: Recent Developments and Future Directions
- 1:15 Christopher Bronk Ramsey, Rick J. Schulting and Andrzej Weber—Resolving Patterns in Radiocarbon Data
- 1:30 Ian Scharlotta—Investigating Temporal Shifts in Diet and Behavior at Shamanka II, Cis-Baikal, Siberia
- 1:45 Victoria M. van der Haas, Vladimir Ivanovich Bazaliiskii and Andrzej Weber—Micro-Sampling Dentine to Reconstruct Life Histories of Holocene Hunter-Gatherers in Siberia
- 2:00 Angela Lieverse, Samantha Purchase-Manchester, Andrzej Weber and Vladimir Ivanovich Bazaliiskii—A Novel Examination of Infection among Middle Holocene Hunter-Fisher-Gatherers of the Cis-Baikal, Siberia
- 2:15 Takumi Tsutaya, Taichi Hattori, Tomonari Takahashi, Hirofumi Kato and Andrzej Weber—Feeding Ecology of the Okhotsk Hunter-Gather-Fishers Estimated by Stable Isotope Analysis
- 2:30 Yu Hirasawa, Ren Iwanami, Masaki Naganuma, Andrzej Weber and Hirofumi Kato—Maritime Archaeology in Hamanaka 2 Site on Rebun Island, Japan: Preliminary Peport of Field Research from 2011 to 2016
- 2:45 Ben A. Shepard, Vladimir Ivanovich Bazaliiskii, Olga Goriunova, Michael Richards and Andrzej Weber—A Geochemical Investigation of Sociopolitical Structure among Holocene Hunter-Gatherers in the Cis-Baikal's Little Sea Micro-region
- 3:00 J. Alyssa White, Rick J. Schulting, Peter Hommel, Vyacheslav Moiseyev and Valeriy I. Khartanovich—Stable Isotopic and Radiocarbon Analysis of Neolithic and Bronze Age Fisher-Hunter-Gatherers from Lake Baikal's Little Sea, Upper Lena River, and Selenga River Regions
- 3:15 Rick J. Schulting, J. Alyssa White and Andrzej Weber—Explaining Isotopic Variability among the Hunter-Fisher-Gatherers of Lake Baikal
- 3:30 Peter de Barros Damgaard, Jeremy Choin, Andrzej Weber, Martin Sikora and Eske Willerslev—Ancient Genomics of Neolithic to Bronze Age Baikal Hunter-Gatherers
- 3:45 Peter Jordan—Discussant
- 4:00 Robert Bettinger—Discussant
- 4:15 Questions and Answers

[331] SYMPOSIUM ■ STATUS AND IDENTITY IN THE IMPERIAL ANDES**Room:** East Meeting Room 12 (VCC)**Time:** 1:00 PM–4:30 PM**Chairs:** Scotti Norman and Sarah Kennedy**Participants:**

- 1:00 Kylie Quave, Sarah Kennedy and R. Alan Covey—Status and Identity at the Margins of Empire: Foodways in Pre-Inka and Inka Cuzco
- 1:15 Carla Hernandez Garavito and Carlos Osores Mendives—The House that Built Me: Local and Nonlocal among the Lurin Yauyos during the Inka Empire
- 1:30 R. Alan Covey and Miriam Aráoz Silva—Empire in Ruins: Inca Urban Planning and the Colonial Occupation at Huánucopampa

- 1:45 Alexander Menaker—Identity and Offerings in the Southern Peruvian Andes: A Comparative Study of the Painted Tablets and Discs Tradition of the Arequipa Region, Southern Peru
- 2:00 Scotti Norman—Defining Identity during Revitalization: Taki Onqoy in the Chicha-Soras Valley (Ayacucho, Peru)
- 2:15 Anna Gurevitz and Scotti Norman—A Wake of Change: Investigating Biocultural Interaction during the Early Colonial Period in the Central Andes, Peru
- 2:30 Tamara Bray—A View from the Hinterlands: Early Colonial Objects in Mortuary Contexts in Northern Highland Ecuador
- 2:45 Ellen Lofaro, George Kamenov, Jorge Luis Soto Maguino and John Krigbaum—Identity, Residential Mobility, and Anthropogenic Lead in Early Colonial Huamanga (Ayacucho), Peru
- 3:00 Raymond Hunter and Steve Kosiba—Land, Labor, and Status: A Perspective from Colonial Cusco, Peru
- 3:15 Brendan Weaver—Supplies, Status, and Slavery: Contested Aesthetics at the Haciendas of Nasca
- 3:30 Francisco García-Albarido—Arqueología de los Repartos Mercantiles en los Andes Coloniales: Endeudamiento, Elites Locales y Cultura Material
- 3:45 Zev Cossin—Community and the Contours of Empire: The Hacienda System in the Northern Highlands of Ecuador
- 4:00 Susan deFrance—Discussant
- 4:15 Jeffrey Quilter—Discussant

[332] SYMPOSIUM ■ OPEN AIR CAMPS OF THE TERMINAL PLEISTOCENE AND EARLY HOLOCENE: INTRA-CAMP SPATIAL ORGANIZATION, ACTIVITY AREAS, AND TECHNOLOGY

Room: East Ballroom B (VCC)

Time: 1:00 PM–4:30 PM

Chairs: Leland Bement and Kristen Carlson

Participants:

- 1:00 Leland Bement and Kristen Carlson—Open Air Camps of the Terminal Pleistocene and Early Holocene: An Introduction
- 1:15 Michael Jochim—Functional and Organizational Variation among Late Mesolithic Sites in Southwestern Germany
- 1:30 Kristen Carlson, Leland Bement and Brian Carter—Bull Creek: A Paleoindian Camp in the Oklahoma Panhandle
- 1:45 Dani Nadel and Reuven Yeshurun—A New Look at Camp Organization in Open Air Late Pleistocene Sites in the Southern Levant
- 2:00 Bruce Huckell, Christopher Merriman and Matthew O'Brien—Boca Negra Wash: Investigating Activity Organization at a Shallowly Buried Folsom Camp in the Middle Rio Grande Valley of New Mexico
- 2:15 Hirofumi Kato, Ekaterina Lipnina, Kunio Yoshida, Takao Sato and Dmitrii Lokhov—The Paleolithic Site Marita in Eastern Siberia: New Discoveries and New Situation
- 2:30 Madeline Mackie, Todd Surovell, Robert Kelly and Matthew O'Brien—New Excavations at the La Prele Mammoth Site, Converse County, Wyoming
- 2:45 Brian Andrews and Brooke Morgan—Open Air Site Formation in Low Deposition Environments
- 3:00 Karisa Terry, Ian Buvit and Aleksander V. Konstantinov—Late Pleistocene Campsites of the Transbaikal, Siberia
- 3:15 Robert Dello-Russo, Banks Leonard and Robin Cordero—Analytical Challenges Posed by the Early Holocene/Late Paleoindian Activity Areas at the Water Canyon Site, West-Central New Mexico: How Do We Know What We Think We Know?

- 3:30 Dan Malkinson, Daniel Kaufman and Dani Nadel—Knapping Flint on a Brush Hut Floor: An Example from Ohalo II, a 23,000-Year-Old Camp in Israel
3:45 Neil Puckett, Kelly Graf and Angela Gore—The Spatial Statistics of Owl Ridge: Identifying Activities and Camp Use
4:00 Douglas Bamforth—Discussant
4:15 Questions and Answers

[333] SYMPOSIUM ■ RECENT DEVELOPMENTS IN EAST AND SOUTHEAST ASIAN ARCHAEOLOGY II: SITES, LANDSCAPE, AND ENVIRONMENT

Room: East Meeting Room 11 (VCC)

Time: 1:00 PM–4:45 PM

Chair: Cyler N. Conrad

Participants:

- 1:00 Ben Marwick, Kyaw Khaing, Maria Schaarschmidt, Tony Dosseto and Alastair Cunningham—Moving on from Movius: Recent Research in Pleistocene Archaeology in Myanmar
1:15 Cyler N. Conrad—From Hunting and Gathering to Farming in Northern Thailand
1:30 Alison Weisskopf and Dorian Q. Fuller—Elusive Wild Foods in Southeast Asian Subsistence: Modern Ethnography and Archaeological Phytoliths
1:45 Rachel Hoerman—Sex and Gender in Southeast Asian Rock Art: Case Studies from Borneo
2:00 Liu Huashi—The Neolithic of the Middle Dadu River Valley in Southwest China: Recent Discoveries and New Insights
2:15 Zhou Kehua—New Archaeological Discoveries in Sichuan Zhou Kehua: Sichuan Provincial Institute of Cultural Relics and Archaeology
2:30 Xin Zhonghua—The Stone-Construction Tombs of Xiaguanzi in Maoxian County, and the Question of Cultural Contact throughout Western China
2:45 Zhao Deyun—Current Issues in the Archaeology of the Margins of Southwest China: The Example of the Stone-Cist Graves
3:00 Jina Heo—Early Urban Configurations in Mahan, Korea: Local and Regional Approaches to Settlements dated to 100 BCE–CE 300
3:15 Francis Allard—The Maritime Silk Route and Southeast China during the Han Dynasty: A View from Panyu, Hepu, and Lingnan's Hinterland
3:30 Sarah Klassen, Jonathan Weed and Damian Evans—Untangling the Urban Morphology of Medieval Angkor, Cambodia
3:45 Alison K. Carter, Cristina Castillo, Rachna Chhay, Tegan McGillivray and Yijie Zhuang—Houses (and Gardens?) at Angkor
4:00 Darith Ea and Kyle Latinis—Dating and Analyzing Koh Ker Settlement and Activity
4:15 Nanny Kim—Mapping Mining Remains in the Borderlands of Southwest China
4:30 Anke M. Hein—Discussant

[334] SYMPOSIUM ■ APPLYING INDIGENOUS FRAMEWORKS FOR ARCHAEOLOGICAL ANALYSIS AND INTERPRETATION

Room: East Exhibit Hall A (VCC)

Time: 1:00 PM–4:45 PM

Chairs: Bill Angelbeck and Chris Arnett

Participants:

- 1:00 Bill Angelbeck and Chris Arnett—Implementing Indigenous Frameworks toward the Archaeological Record: Issues, Instances, and Directions
1:15 Paulette Steeves—Indigenous Method and Theory in Archaeology
1:30 Eric McLay—Ancestral Landscapes of the Salish Sea: Exploring Inland Shell Middens, Social Memory, and Coast Salish Narratives

- 1:45 Chris Springer—Houses, Territory, and Tenure: An Archaeological Case Study of Territoriality in the Salish Sea
- 2:00 Rudy Reimer—A Squamish Nation/Coast Salish Sense of Time
- 2:15 Lucille Harris—Interior Salish Organizational Principles: Recasting the Dynamics of Sociopolitical Change in Aggregated Village Archaeology on the Northern Plateau
- 2:30 Craig Cipolla, James Quinn and Jay Levy—Deep Impacts of Mohegan Archaeology: Indigenous Knowledge and Its Influence on the Past
- 2:45 Questions and Answers
- 3:00 Matthew Sanger—Socializing Novel Landscapes: Reconsidering “Colonization” through Indigenous Philosophies
- 3:15 Lindsay Montgomery—Multivocal Landscapes: Mapping Mobile Ontologies onto the Northern Rio Grande
- 3:30 Kerry Thompson—Materiality and Movement: Indigenous Concepts in Archaeological Analysis and Interpretation
- 3:45 Desiree Martinez, Wendy G. Teeter and Karimah Kennedy-Richardson—Recognizing Indigenous Settlement Patterns: Results from Pimu (Catalina Island, California)
- 4:00 Bruce Miller—Sociocultural Anthropology’s Engagement with Archaeology and Indigenous Frameworks
- 4:15 Margaret Bruchac—Discussant
- 4:30 Randall McGuire—Discussant

[335] SYMPOSIUM ■WALLS, MOUNDS, AND POTS: EXAMINING THE CLASSIC PERIOD HOHOKAM

Room: East Ballroom A (VCC)

Time: 1:00 PM–4:45 PM

Chair: Christopher Caseldine

Participants:

- 1:00 Andrea Gregory and Alanna Ossa—Life between Two Rivers: A Study of the Sedentary to Early Classic Transition on the Queen Creek Delta, Arizona
- 1:15 Craig Fertelmes—Geochemical Evidence for Dispersed Ground Stone Tool Production at Hohokam Villages in the Middle Gila River Valley, Arizona
- 1:30 Chris Loendorf—Classic Period Settlement Patterns along the Middle Gila River
- 1:45 Kyle Woodson—The Impact of Changes during the Hohokam Classic Period on Irrigation Agriculture and Irrigation Management in the Middle Gila River Valley, Arizona
- 2:00 Christopher Watkins, Christopher Garraty, Travis Cureton, Dave Bustoz and Erik Steinbach—The Path of Hua’m A Nui: Aggrandizement among the Classic Period Phoenix Basin Hohokam
- 2:15 Christopher Caseldine—New but Classic: An Examination of Hohokam Canal System 1 during the Classic Period
- 2:30 Douglas Craig, David Abbott, Hannah Zanotto, Veronica Judd and Brent Kober—Measuring Household Inequality in Hohokam Society: An Analysis of Domestic Architecture at Pueblo Grande
- 2:45 Aaron Wright and Colleen Strawhacker—Probing the Nexus between Hohokam Demography and Agricultural Productivity across the Preclassic/Classic Transition
- 3:00 Jessica Cerezo-Román—Cremation Mortuary Ritual among the Classic Period Hohokam and Trincheras Traditions
- 3:15 Suzanne Fish and Paul Fish—Tucson Platform Mounds in the Context of Classic Period Variability
- 3:30 Paul Fish, Suzanne Fish, James Bayman and Douglas Gann—Visiting a “Villagescape”: The Early Classic Period Marana Mound Site

- 3:45 Michael Lindeman and Henry Wallace—Ancestral Ties during a Period of Social Upheaval, an Example from the Early Classic Period in the Tucson Basin
4:00 Caitlin Wichlacz and David Abbott—Testing Alternative Settlement Models at Las Colinas with Polychrome Dating
4:15 Jerry Howard, Christopher Caseldine, David Abbott and David Wilcox—Mesa Grande and Its World: An Analysis of Intrusive Pottery Types Recovered from Mesa Grande and Their Social Implications
4:30 Jeffery Clark—Discussant

[336] GENERAL SESSION ■ MAPPING AND MODELING ARCHAEOLOGICAL DATA**Room:** West Meeting Room 208 (VCC)**Time:** 1:00 PM–4:45 PM**Chair:** Leslie J. Amundson**Participants:**

- 1:00 Grant Snitker—Reconstructing Anthropogenic Fire Regimes Using Multidisciplinary Methods: Preliminary Results from the Neolithic (7,700–4,500 cal. BP) in Eastern Spain
1:15 Carolina Guedes—3D Archaeology at MAE/USP (Brazil): Practices and Perspectives
1:30 R. P. Stephen Davis Jr.—Documenting Archaeological Contexts with 3D Photography
1:45 Leslie J. Amundson, Kevin Grover, Margaret Kennedy, Brian Reeves and Grant Wiseman—Multispectral Photogrammetry of Cultural Landscapes on the Northern Plains from Unmanned Aerial Vehicle Platforms
2:00 Laura Scheiber and Michael Peterson—Exploring Photogrammetry and Aerial Archaeology for Innovative Mapping and Surveying at Heart Mountain, Wyoming
2:15 Robert Gustas—Least Cost Analysis of Maritime Movement in Prince Rupert Harbour during the Holocene and Late Pleistocene
2:30 Hali Thurber and Justin Uehlein—You Sleep Alone, Away from People: Understanding the Movement of Hobos and Other Transient Laborers (ca. 1880–1940)
2:45 Kevin Wiley—Circles and Circuits: A Computational Social Science Approach to Neolithic Circular Enclosures
3:00 Cosimo Sgarlata—Python Scripting and Archaeological Applications Using ArcGis
3:15 Jennifer Haas—Integrating Site Formation Processes, Spatial Analysis, and Local Statistics to Assess Archaeological Site Structure: A Case Study from a Multicomponent Site in the Western Great Lakes
3:30 Richard Guttenberg and René L. Vellanoweth—Spatial Signatures of Ceremony and Social Interaction: GIS Exploratory Analysis and Spatial Modeling at Tule Creek Village (CA-SNI-25), San Nicolas Island, California
3:45 Timothy Hare, Rebekah Vermillion and Madison Cissell—Mapping and 3D Modeling of Excavations Using UAVs, Photogrammetry, and Lidar
4:00 Philippe De Smedt—Ephemeral Features and Evolving Landscapes: Understanding Mankind's (In)visibility in the Archaeo-Geophysical Record
4:15 Rachel McTavish and Corey Hoover—A Holistic Investigation of Economization at a Late Prehistoric Village in Northern Illinois
4:30 Paula Kay Lazarus—Landholdings and Social Standing: Land Use in the Territory of Bova, Calabria, in the early 1800s

[337] SYMPOSIUM ■ THE DYNAMICS OF THE PRECLASSIC IN THE HEART OF THE MAYA LOWLANDS**Room:** East Ballroom C (VCC)**Time:** 1:00 PM–5:00 PM**Chairs:** Kathryn Reese-Taylor, Armando Anaya Hernández and Verónica Vázquez López**Participants:**

- 1:00 Armando Anaya Hernández and Kathryn Reese-Taylor—Preclassic Complexity in the Central Karstic Uplands: Yaxnohcah and Its Neighbors
- 1:15 Richard Hansen, David Wahl, Thomas Schreiner, Donald W. Forsyth and Edgar Ortega—The Origins of Complex Maya Societies: The Middle Preclassic Period in the Mirador-Calakmul Basin
- 1:30 Shawn Morton—The Symbolic Centre: The Preclassic Legacy of Yaxnohcah's E-Group
- 1:45 Fernando C. Atasta Flores Esquivel and Alejandro Uriarte Torres—Preclassic Platforms at Yaxnohcah: Central Eminences for a Multinucleated Site
- 2:00 Verónica Vázquez López—Ritual Activity at the Grazia Complex, Yaxnohcah
- 2:15 Sarah Bednar—The Baalche' Group: An Investigation of a Preclassic Maya Palace at Yaxnohcah, Campeche, Mexico
- 2:30 Varinia Matute, Mary Jane Acuña, Francisco Castañeda and Boris Beltran—Results of Recent Investigations at El Tintal, Petén, Guatemala
- 2:45 Questions and Answers
- 3:00 Debra Walker—The Search for Sierra Red: Discerning Ceramic Diversity at Late Preclassic Yaxnohcah
- 3:15 Christopher Carr, Jeffrey Brewer, Nicholas Dunning, Kathryn Reese-Taylor and Armando Anaya Hernández—Using Lidar to Locate and Classify Ancient Maya Water Storage Features at Yaxnohcah, Campeche, Mexico
- 3:30 John G. Jones and Nicholas Dunning—Archaeobotanical Realities at Yaxnohkah: A Pollen Grain of Truth on Preclassic Land Use
- 3:45 Nicholas Dunning, Armando Anaya Hernández, Christopher Carr, Deborah Walker and Helga Geovannini Acuña—Preclassic Reservoirs and Urbanism at Yaxnohcah, Campeche, Mexico
- 4:00 Alyssa Haggard, Jeffrey Brewer and Meaghan Peuramaki-Brown—Investigations of Peri-Urban Settlement and Domestic Reservoirs: Research from Yaxnohcah, Campeche, Mexico
- 4:15 AnaBeatriz Balcarcel, Edgar Suyuc-Ley, Richard Hansen, Francisco López and Josué García—New Perspectives from the Late Preclassic Period in the Mirador-Calakmul Basin
- 4:30 Kathryn Reese-Taylor and Armando Anaya Hernández—Creating the Center: Interaction in the Central Karstic Uplands during the Preclassic
- 4:45 Takeshi Inomata—Discussant

[338] SYMPOSIUM ■ MANOT CAVE: IN SEARCH OF MODERN HUMANS**Room:** East Meeting Room 1 (VCC)**Time:** 1:00 PM–5:00 PM**Chairs:** Francesco Berna, Omry Barzilai and Ofer Marder**Participants:**

- 1:00 Omry Barzilai, Israel Hershkovitz and Ofer Marder—The Dan David Expedition to Manot Cave: 2010–2016
- 1:15 Valentina Caracuta, Bridget Alex, Lior Regev, Eugenia Mintz and Elisabetta Boaretto—The Ice-Age Landscape around Manot Cave (Israel) during the Upper and Middle Paleolithic: New Insights from the Anthracological Record and Carbon Isotopes Analyses

- 1:30 Meir Orbach—The Hyena Ecology during the Late Pleistocene of the Levant: Manot Cave (Israel), A Case Study
- 1:45 Francesco Berna, Elisabetta Boaretto and Stephen Weiner—Site Formation Processes at Manot Cave, Israel
- 2:00 Israel Hershkovitz, Bruce Latimer, Hila May, Rachel Sarig and Ofer Marder—Manot 1 Brain Characteristics
- 2:15 Hila May, Bruce Latimer, Omry Barzilai, Ofer Marder and Israel Hershkovitz—Manot 1 Calvaria and Aduma skull: Are They the Same?
- 2:30 Mae Goder Goldberger, Talia Abulafia, Omry Barzilai, Israel Hershkovitz and Ofer Marder—The Middle Paleolithic artifacts from Manot Cave (Western Galilee), Israel
- 2:45 Ron Lavi and Lauren Davis—The Stratigraphy of Area E, Manot Cave
- 3:00 Elisabetta Boaretto, Bridget Alex, Valentina Caracuta, Eugenia Mintz and Lior Regev—The Early Upper Paleolithic Radiocarbon Chronology and Its Synchronization in the Levant
- 3:15 Lauren Davis, Omry Barzilai and Ofer Marder—The Aurignacian Lithic Industry from Area E
- 3:30 Talia Abulafia, Ofer Marder and Omry Barzilai—The Lithic Industries from Area C: Typo-Technological Characteristics
- 3:45 Daniella Bar-Yosef Mayer—Early Upper Paleolithic Shell Beads and Shellfish from Manot Cave, Israel
- 4:00 José-Miguel Téjero, Reuven Yeshurun, Omry Barzilai, Israel Hershkovitz and Ofer Marder—Toward Complexity in the Osseous Raw Material Work at the Beginning of the Early Upper Paleolithic in Eurasia: The Manot Cave (Israel) Osseous Tools in the Aurignacian Emergence and Diffusion Context
- 4:15 Rachel Sarig, Ofer Marder, Omry Barzilai, Bruce Latimer and Israel Hershkovitz—The Upper Paleolithic Inhabitants of Manot Cave: The Dental Perspective
- 4:30 Steven Kuhn—Discussant
- 4:45 Isaac Gilead—Discussant

[339] SYMPOSIUM ■ IMPLICATIONS OF THE PROMONTORY, DISMAL RIVER, AND FRANKTOWN ARCHAEOLOGICAL RECORDS FOR APACHEAN PREHISTORY

Room: East Meeting Room 2 (VCC)

Time: 1:00 PM–5:00 PM

Chair: John W. Ives

Participants:

- 1:00 Sally Rice, Conor Snoek and Michaela Stang—Linguistic Relationships between the Apachean Subgroup and Northern Athapaskan
- 1:15 P. Gregory Hare and Christian D. Thomas—Fragile, Organic Artifacts from Alpine Ice in the Athapaskan Homeland, Southern Yukon, Canada
- 1:30 Joel Janetski—The Promontory Phase in the Eastern Great Basin
- 1:45 Lindsay Johansson—People and Animals on the Move: Insights from the Promontory Caves on Proto-Apachaeans Faunal Use and Hunting Practices
- 2:00 David Rhode—The Promontory Caves Plant Macrofossil Record
- 2:15 Michael Billinger and John W. Ives—Insights into Prehistoric Footwear Landscapes
- 2:30 Courtney Lakevold and Jennifer Hallson—Population Size and Structure in the AD Thirteenth-Century Occupation of Promontory Cave 1
- 2:45 Gabriel Yanicki—Follow the Women: Ceramics and Post-Fremont Ethnogenesis
- 3:00 Andrew D. Lints and John W. Ives—Art in the Time of Promontory Cave: Enhancement of Rock Art Figures Using DStretch
- 3:15 Jessica Metcalfe and Vandy Bowyer—Bison Ecology and Precontact Human Land Use at the Promontory Caves
- 3:30 Brooke Arkush—Glimpses of Promontory Tradition Settlement Practices and Social Networks: The Ceramic and Faunal Assemblages from Site 10-Oa-275

- 3:45 Kevin P. Gilmore, Derek Hamilton and John W. Ives—Promontory Culture in Eastern Colorado: Franktown Cave and Early Proto-Apachean Migration
4:00 Sean P. Larmore and Kevin P. Gilmore—On the Road to Becoming Apache: The Western Dismal River Culture at the Plains/Foothills Margin
4:15 Matthew E. Hill Jr., Sarah Trabert and Margaret Beck—The Dismal River Complex and the Continuing Debate of Early Apachean Presence on the Central Great Plains
4:30 B. Sunday Eiselt—The Canine Question: The Role of Dog Husbandry in Athapaskan Migration and Plains-Pueblo Exchange
4:45 John W. Ives—Seeking Congruency: Search Images, Archaeological Records, and Apachean Origins

[340] SYMPOSIUM ■ WHERE THE WILD THINGS ARE NOT: HUMAN-ANIMAL INTERACTION IN THE SPACE BETWEEN WILD AND DOMESTIC
(Sponsored by Zooarchaeology Interest Group)
Room: West Meeting Room 205 (VCC)
Time: 1:00 PM–5:00 PM
Chairs: Christina M. Giovas and Stephanie R. Orsini

Participants:

- 1:00 Reuven Yeshurun and Melinda Zeder—Fox Overabundance and Human Response in the Earliest Villages of the Near East
1:15 Natalie Munro, Jacqueline Meier and Lidar Sapir-Hen—Early Human Control over Ungulate Taxa in the Southern Levant
1:30 Adrienne Frie—Something Other: Birds in Early Iron Age Slovenia
1:45 Hannah O'Regan—Bears and People: From the Wilderness to Dancing
2:00 Robert Losey, Tatiana Nomokonova, Andrei Gusev and Natalia Fedorova—Living with Reindeer in Arctic Siberia: The View from Arctic Yamal, Russia
2:15 Lisa Matisoo-Smith, Karen Greig, Katrina West and Anna Gosling—The Commensal Animals in the Pacific: What Might DNA Results Suggest about the Animal-Human Relationships through Time?
2:30 Roberto Campbell and Ismael Martínez—4,000 years of Animal Translocations: Mocha Island and Its Zooarchaeological Record
2:45 Christina M. Giovas—Using Multi-proxy Evidence to Evaluate Captive Animal Management in the Prehistoric Caribbean
3:00 Roger Colten, Susan deFrance, Michelle LeFebvre and Brian Worthington—Were Hutia Domesticated in the Caribbean?
3:15 Aurelie Manin, Antoine Dorison, Marion Forest and Grégory Pereira—Between Farming and Hunting: Animal Exploitation in the Zacapu Basin, Michoacán, Mexico (AD 100–1450)
3:30 Norbert Stanchly, Stephanie R. Orsini and Marcus England—Assessing Human-Animal Interactions in Mesoamerica: Ancient Maya Use of the Black-Throated Bobwhite (*Colinus nigrogularis*)
3:45 Lori Phillips, Erin Thornton, Kitty Emery and Carlos Peraza Lope—Let's Talk Turkey: Turkey Use and Management at Postclassic Mayapán
4:00 Jonathan Dombrosky, Emily Lena Jones and Seth Newsome—Raptor Management and Whistle/Flute Production in Pueblo IV New Mexico
4:15 Abigail Fisher—Methods for the Identification of Dog and Dog/Wolf Hybrids from Wild Canids in the Northern Plains
4:30 Katie V. Kirakosian—On Manitou and Consanguineal Respect between Human and Animal Societies in Southern New England
4:45 Kelly Ledford and Tanya Peres—Constructed Spaces and Managed Species: Niche Construction Theory and "Wild" Turkey Management during the Mississippian Period in the Southeastern United States

[341] POSTER SESSION ■ NORTH AMERICA: MIDWEST I
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 2:00 PM–4:00 PM

Participants:

- 341-a Robert Cook and Mark Schurr—Using Fluoride Analysis and Artifact Density to Examine Household Formation in Prehistoric Villages: A Fort Ancient Example
341-b Heather Walder—Compositional Analysis of Copper-Base Metal Artifacts from Michigan
341-c Lara Noldner, Suzanne Wanatee Buffalo and Johnathan Buffalo—A Life's Story from a Single Tooth? A Discussion of the Value of Destructive Analyses
341-d Tyler Laughlin and Anna Dean—Analysis of a Late Archaic Hearth Feature at the Debra L. Friedkin Site in Central Texas
341-e Kelsey Hanson, Paula Bryant and James Skibo—Acorn Oil Rendering in the Upper Great Lakes
341-f Richard Kubicek and Patricia Richards—\$1.87 Each, Four Feet Long and Over; \$0.87 Each, Less than Four Feet: A Spatial Analysis of Coffin Type and Coffin Hardware from the Milwaukee County Poor Farm Cemetery
341-g Thomas Zych and Brian Nicholss—Sculpting a Mississippian Aztalan: A Landscape Perspective
341-h Patricia Richards—Challenges to the Wisconsin Burial Sites Preservation Statute (WisStats 157.70)
341-i John Richards, Robert C. Mainfort Jr. and Seth A. Schneider—Comparative Compositional Analysis of Parkin Phase Red-Slipped Pottery and Red Ochre Deposits Using PXRF and Petrography
341-j Elspeth Geiger—Reconstructing Seasonal Subsistence Patterns: A Case Study in Michigan's Saginaw Valley
341-k Brian Hoffman, James Myster, Steve Goranson, Rikka Bakken and Camille Warnacutt—Archaeology of the Port des Morts Lighthouse Ruins (47DR497): A Mid-Nineteenth-Century Lighthouse Site

[342] POSTER SESSION ■ NORTH AMERICA: MIDWEST II
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 2:00 PM–4:00 PM

Participants:

- 342-a John Doershuk, Mark Anderson, Holmes Semken, E. Arthur Bettis and Joe Alan Artz—Exploring Potential Ancient Human-Proboscidea Interaction at Lake Red Rock, Marion County, Iowa
342-b Matthew G. Hill, Thomas Loebel and John Lambert—Synthesis and Assessment of the Folsom Record in Illinois and Wisconsin
342-c Lucyna Bowland—Effects of Varying Levels of Soil pH on the Preservation and Appearance of Chicken Bones
342-d Jason Stolfer—Feminist Theory: The Missing Link in Archaeology
342-e Daniel Parker—Assessing the Strength of Prehistoric Glues
342-f James McGrath, Rebekah Truhan, Adam Skibbe and James Enloe—The Sky Is Falling: Site formation Processes at Woodpecker Cave, Johnson County, Iowa
342-g Michelle Bebber—A Petrographic and Material Science Approach to Understanding Temper Selection in the Prehistoric Ceramic Sequence of the Scioto River Valley, Ross County, Ohio
342-h Moeana Franklin and Paul Nick Kardulias—Age-at-Death Estimations from Helton Mound 20
342-i Rebekah Truhan, Jacob Fouquet and Luke Stroth—Technological Approach to Fire-Cracked Rock

- 342-j Jeremy Skeens—Finding the Past in the Paste: Variance in Woodland Ceramics at Woodpecker Cave (13JH202)
342-k Joseph Beaver—Grave Markers of Infant Burials in Historical Cemeteries in West-Central Minnesota

[343] POSTER SESSION ■ NORTH AMERICA: PLATEAU
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 2:00 PM–4:00 PM

Participants:

- 343-a Emily Hull, Nathan Goodale, Alissa Nauman and David Bailey—Microwear Analysis of Mica Lamented Quartzite Scrapers from Slocan Narrows, Upper Columbia River Area
343-b Kathryn Harris—Lithics and the Late Prehistoric: Changing Adaptive Strategies on the Southeastern Columbia Plateau
343-c Anna Arnn, Nathan Goodale, Alissa Nauman and Bruce Wegter—EA-IRMS and the Isotope Ecology from Faunal Remains at the Slocan Narrows Site, Upper Columbia River Area, Interior Pacific Northwest
343-d Jonathan Sheppard—The Settlement Patterns of the Mid-Fraser Region of British Columbia: A Statistical Analysis of Housepit and Village Sizes
343-e Justin Fitzpatrick—Faunal Analysis of the Mesa 12 Site, Central Columbia Basin
343-f Matthew Johnson—Faunal Analysis of Two Columbia River House Feature Sites: Hole-in-the-Wall-Canyon (45KT12) and French Rapids (45KT13)
343-g Delaney Cooley—A Comparison of the Lithic Assemblages from the Shavano Springs Site (5MN40) and Christmas Rock Shelter (5DT2), Western Colorado
343-h Erik Martin—Form and Function: Projectile Point Morphology and Associated Faunal Remains at Four Eastern Great Basin Cave Sites
343-i Steven Hackenberger, Douglas MacFarland and James Brown—Magnetic Susceptibility of Soils: Tephra, Erosion, and Fire on Columbia Plateau Landscapes
343-j William Marquardt, Jill Bassett, Allen Madril, Paula Brooks and John Marshall—I'm Your Huckleberry: Monitoring Impacts on Traditionally Utilized Food Sources of the Pomeroy Ranger District, Umatilla National Forest, Southeastern Washington
343-k Timothy Canaday, Bryan Hanks and Roger Doonan—The Middle Fork Geophysics Project, Central Idaho

[344] POSTER SESSION ■ NORTH AMERICA: PLAINS II
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 2:00 PM–4:00 PM

Participants:

- 344-a Kirsten Tharalson and Matthew E. Hill Jr.—Bison, Dog, and Deer, Oh My! Faunal Analysis of the Lovitt Site, Western Nebraska
344-b Shannon Koerner, Bretton Giles and Eric Skov—Landscape Preference and Precontact Site Location Modeling in the Central Plains, USA
344-c Robert Hard, Raymond Mauldin, Kristin Corl, Deborah Bolnick and Jacob Freeman—Isotope and Hunter-Gatherer Ecology at the Morhiss Site on the Texas Coastal Plain
344-d William Ankele—Survey Says?!?! A GIS-Based Comparison of Site Locations and Settlement Patterns in the Gunnison Basin, Colorado
344-e Ashleigh Thompson and Anna Jansson—The Integrity of a Surface Collection and Its Value to a Tribe
344-f Brendon Asher—Gunflints from the Central Plains: Technological Characteristics and Chronological Implications

- 344-g Michael Guarino—Weaponry Standardization and the Potential for Sharing at the Agate Basin Site
- 344-h Anna Jansson—Before and After Mazama at the Billy Big Spring Site: Landscape Evolution during Altithermal Times and Reoccupation after the Eruption
- 344-i Shalcey Dowkes and Margaret Patton—Microwear on Shell Beads at Cluny Fortified Village (EePf-1)

[345] POSTER SESSION ■ NORTH AMERICA: PLAINS I**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 2:00 PM–4:00 PM**Participants:**

- 345-a Donald Blakeslee—Etzanoa: A Northern Caddoan Town
- 345-b Lauren Koutlias—Children's Health in Archaic Texas: A Paleopathological Analysis of Juvenile Remains
- 345-c Jasmine Kidwell—Modeling Channel Morphology at the Clovis-Type Site, Blackwater Draw, New Mexico
- 345-d Robert Lassen and Erin Keenan Early—Radiocarbon Dating at the Gault Site: A Case Study in Collaboration between AMS and ZooMS to Analyze Promising Faunal Samples
- 345-e Tressa Munger, Lindsey Romig, Amelia Cisar, Noah Fisher and Kristen Carlson—Experimental Analysis of Late Paleoindian Bone Tools at Bull Creek in Oklahoma
- 345-f Lawrence Todd, Rachel Reckin, Emily Brush, Robert Kelly and William Dooley—An Alpine Archaeological Landscape in the Greater Yellowstone Ecosystem, Wyoming
- 345-g Raymond Mauldin, Emily McCuistion, Leonard Kemp and Cynthia Munoz—Exploring Occupation Patterns in the Lower Pecos and Central Texas Regions over the Last 9,000 Years Using Radiocarbon Dates
- 345-h Sara Cullen—In Search of "False Alibates": A Quagmire in Chert Sourcing from Northeastern New Mexico

[346] SYMPOSIUM ■ EROTECTICS, GIS, AND DATA RESOLUTION: SPATIAL ANALYSIS IN ARCHAEOLOGICAL PRACTICE**Room:** West Meeting Room 206 (VCC)**Time:** 3:00 PM–5:00 PM**Chairs:** Scott Kirk, Joseph Birkmann and Beau Murphy**Participants:**

- 3:00 Shelby Magee—From Roads to Ritual: Comparing Logics and Scale of GIS Analyses of Inka Imperial Landscapes
- 3:15 Scott Kirk—The Study of Castles throughout Europe: Limitations of Multi-regional Studies
- 3:30 Kristina Whitney—Landscape Use in Southeastern Ethiopia
- 3:45 Beau Murphy and Cristián González Rodríguez—A GIS Analysis of Production Areas, Ritual Spaces, and Socioeconomics at the Mixed Inka-Local Administrative Center of Turi, Northern Chile
- 4:00 Joseph Birkmann and Michael W. Graves—Resiliency in Hawaiian Irrigated Agricultural Systems: A GIS Approach
- 4:15 Justin Bracken—Polyvalent Monumentality: Analyzing Geospatially the Interplay of Fortification and Hydrology at the Maya site of Muralla de León
- 4:30 Marc Wolf—GIS, Identity, and the Sacred Landscape
- 4:45 Michael Kolb—Discussant

[347] SYMPOSIUM ■ MUSIC ARCHAEOLOGY**Room:** West Meeting Room 202 (VCC)**Time:** 3:00 PM–5:00 PM**Chair:** Kong Cheong**Participants:**

- 3:00 Katrina Kosyk—Communities of Practice and Sound-Related Archaeological Collections
3:15 Valeria Bellomia—The Materiality of Sound: Detecting Performing Patterns on Two Mesoamerican Bone Rasps
3:30 Francisca Zalaquett—Sounds in Context: Musical Instruments from Teotihuacán
3:45 Kong Cheong and Mads Jorgensen—Chirping Birds, Barking Dogs, and Singing Men: Ancient Ceramic Effigy Vessel Flutes from Tala, Jalisco, West Mexico
4:00 Philippe Bezy—Maya Shell Trumpets: An Interpretative Pivot
4:15 Jared Katz—Creating and Curating a 3D Dataset: Establishing Categories for Ancient Maya Musical Instruments Using 3D Scans
4:30 Kristina Nielsen—Aztec Aesthetics: Historical Reconstructions and Contemporary Cultural Recovery Movements
4:45 Questions and Answers

[348] SYMPOSIUM ■ ARCHAEOLOGICAL PERSPECTIVES TOWARD MEDICINE AND GLOBAL HEALTH**Room:** East Meeting Room 20 (VCC)**Time:** 3:15 PM–5:00 PM**Chairs:** Claire K. Maass, Hannah Moots and David Pickel**Participants:**

- 3:15 Claire K. Maass—The Body as Machine, the Body as Commodity, and the Body as a Temple: Treatments of Enslaved African Laborers on Buena Muerte Sugar Estates in Cañete, Peru
3:30 Meredith Reifschneider—Scale in Health-Related Research: Situating Topographies of Health Care
3:45 Dena Doroszenko—Pills and Potions at the Niagara Apothecary
4:00 Mark Warner—Class and Reproductive Control: Birth Control Access and Hygiene among Prostitutes in Turn-of-the-Century Northern Idaho
4:15 Hannah Moots—Using Archaeological and Genomic Data to Investigate the Evolutionary History of Celiac Disease
4:30 Krish Seetah—Discussant
4:45 Bright Zhou—Discussant

[349] SYMPOSIUM ■ ARCHAEOOMETRIC STUDIES IN THE MAYA AREA**Room:** West Meeting Room 207 (VCC)**Time:** 3:15 PM–5:00 PM**Chair:** Mario Zimmermann**Participants:**

- 3:15 Miriam Judith Gallegos Gomora, Ricardo Armijo Torres and Manuel Acosta Alejandro—Los Rituales Funerarios de Comalcalco desde la Perspectiva del Siglo XXI
3:30 Luis Joaquin Venegas de la Torre—La Fotografía Aérea con Dron como una Herramienta para el Registro del Patrimonio Histórico de Yucatán
3:45 Hector Hernandez, Soledad Ortiz and Jose Luis Ruvalcaba—Chemical Residues Analysis and Infrared Spectroscopy to Determine a Kiln's Function from a Henequen Hacienda in Yucatán, Mexico
4:00 Claudia Leon Romero—Ancient Cacao Groves in Yucatán: A Palynological Approach

- 4:15 María del Domínguez, Yolanda Espinosa Morales, Javier Reyes Trujeque, Francisca Zalaquett Rock and William Joseph Folan—Los Instrumentos Musicales de la Estructura II y III de Calakmul, Campeche: Caracterización Fisicoquímica e Interpretación Cultural
- 4:30 Socorro Alvarez, María Jesús Novelo Pérez and Lilia Fernandez Souza—Estudio Petrográfico de la Cerámica de Sihó, Yucatán, durante el Clásico Tardío y Terminal
- 4:45 Mario Zimmermann—Discussant

[350] GENERAL SESSION ■ REMOTE SENSING METHODS IN ARCHAEOLOGY II**Room:** East Meeting Room 7 (VCC)**Time:** 3:30 PM–4:30 PM**Chair:** Maxwell Meredith**Participants:**

- 3:30 Kevin Lyons—Problematic Pixels: Prehistoric Residential Floor Recognition in the Pend Oreille Valley
- 3:45 Joanna Monaco-Schlater, Lawrence Conyers, Sean McConnel and Andrew Bair—Interpreting a Deserted Medieval Village through Geophysical Data
- 4:00 Jon Carroll—Using Aerial Remote Sensing to Assess Error and Uncertainty in Archaeological Site Mapping
- 4:15 Maxwell Meredith—Hitler's Fortress Builders: The Use of Nondestructive Testing to Quantify the Differential Treatment of Laborers on Second World War Alderney

[351] SYMPOSIUM ■ THE U.S. ARMY CORPS OF ENGINEERS' REGULATORY PROGRAM AND HISTORIC PROPERTY MITIGATION**Room:** East Meeting Room 9 (VCC)**Time:** 3:45 PM–5:00 PM**Chair:** Erin Hess**Participants:**

- 3:45 Erin Hess—Mitigation of the Alder Creek Mining District, Sacramento County, California
- 4:00 Chris Parrish—Ho! to the Land of Sunshine: Mitigation and Public Outreach for the BNSF Abó Canyon Double Track Project in Central New Mexico and the Ute Lake Subdivision Project in Northeastern New Mexico: Lawsuits, Artifacts, and an Archaeological Right-of-Entry Agreement
- 4:15 Chris Jenkins and Lance Lundquist—Beyond “Document and Destroy”
Mitigation: Fill in the Blank
- 4:30 Lance Lundquist and Chris Jenkins—Section 106 Mitigation in Memorandum of Agreements: A View from the Corps
- 4:45 Trent Stockton—Circumstance and Scale in After-the-Fact Applications: Maximizing Fair and Equitable Compliance for Stakeholders through Mitigation

[352] SYMPOSIUM ■ FAIRS, FEASTING, AND RITUAL IN NORTHERN MEXICAN CONTEXTS**Room:** East Meeting Room 14 (VCC)**Time:** 3:45 PM–5:00 PM**Chairs:** Bridget M. Zavala and Ana Iris Murguia Hernandez**Participants:**

- 3:45 Andrea Torvinen—Establishing the Nature and Scale of Ritual Behavior at La Quemada, Zacatecas, Mexico
- 4:00 Bridget M. Zavala—Searching for the Big House: Ritual Spaces of the Sextin Valley, Durango, Mexico

- 4:15 Ana Iris Murguia Hernandez—La Feria Colonial: Flow and Exchange of Products in the Nueva Vizcaya in the Eighteenth and Nineteenth Centuries
4:30 María del Roble Ríos Ortega—Celebration and the Mining Way of Life in Magistral del Oro, Durango
4:45 Selene Yuridia Galindo Cumplido—When the Desert Meets the Sea: The Annual Journey of Quitovaquenses to the San Jorge Beach as a Community of Practice

[353] GENERAL SESSION ■ CURRENT RESEARCH AT TEOTIHUACÁN**Room:** East Meeting Room 19 (VCC)**Time:** 3:45 PM–5:00 PM**Chair:** Tatsuya Murakami**Participants:**

- 3:45 Alexandra Norwood—Formal Open Space at Teotihuacán
4:00 Alberto Diez Barroso Repizo—Cultural Practices and Trade Routes in the Sierra Norte de Puebla during the Middle Formative. Archaeology of the Teteles de Ávila Region
4:15 Hilda Lozano Bravo—Life on Floors: The Archaeometry of Teotihuacán's Living Surfaces
4:30 Tatsuya Murakami, Shigeru Kabata and Julieta López—Architecture and Urban Transformation in Formative Central Mexico: New Findings from the Tlalancaleca Archaeological Project, Puebla
4:45 Ashuni Romero and Ramón Santacruz—Quimicho: A Classic Site in Northeast Tlaxcala, Mexico

[354] GENERAL SESSION ■ ADVANCES IN GEOARCHAEOLOGICAL RESEARCH METHODS II**Room:** East Meeting Room 5 (VCC)**Time:** 3:45 PM–5:00 PM**Chair:** Rachel Kulick**Participants:**

- 3:45 Rachel Kulick—Urban Micromorphology at Bronze Age Palaikastro, Crete: Evidence of Transitions
4:00 Matthea Wiebe, Peter Wallace and Francesco Berna—Soil Micromorphology Analysis of Area D at Manot Cave, Israel: Insights into Site Formation Processes
4:15 AJ White, Lora Stevens and Varenka Lorenzi—A 1,000-Year-Record of Cahokia Region Population Change through Fecal Stanol Biomarker Analysis
4:30 Daniel Fallu and W. Flint Dibble—Answers in the Dirt: Taphonomy, Preservation Bias, and Pastoralism at Iron Age Nichoria, Greece
4:45 Magnus Haaland, Christopher Miller and Christopher Henshilwood—Investigating Site Formation Processes in Blombos Cave, South-Africa: A Geoarchaeological and Micro-contextual Approach.

[355] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTHEAST ASIA II**Room:** East Meeting Room 4 (VCC)**Time:** 4:00 PM–4:30 PM**Chair:** Wendy Layco**Participants:**

- 4:00 Robin Meyer-Lorey—Economic Intensification in Old Kiyyangan: Global Interaction and Intraregional Trade Understood through Trade Ceramics
4:15 Wendy Layco and Madeleine Yakal—Beads Associated with Infant Jar Burials/Supine Child Burials: Evidence of Social Inequality in Early Ifugao Culture

[356] **GENERAL SESSION ■ WESTERN ASIAN ARCHAEOLOGY II**

Room: West Meeting Room 203 (VCC)

Time: 4:00 PM–4:45 PM

Chair: Frieda Bogemans

Participants:

4:00 Frieda Bogemans, Rindert Janssens and Cecile Baeten—Unearthing Holocene Lowland Landscapes as a Tool to Detect Archaeological Sites: A Case Study from Lower Khuzestan (Southwest Iran)

4:15 Sue Ann McCarty—Inter-household Ceramic Motif Variation and Its Implications for Halaf Social Inequality at Kazane Hoyuk, Southeast Turkey

4:30 Andreas Angourakis, Agnese Fusaro, Veronica Martinez and Josep M. Gurt—Linking Land-Use Patterns to Spatial Logistics, Institutional Complexity, and Terrain Constraints in Farming-Herding Interaction: A Theory-Building, Agent-Based Approach

[357] **SYMPORIUM ■ CRAFTING THE COMPLEX: MATERIAL CULTURE AND THE RISE OF COMPLEXITY IN FORMATIVE MESOAMERICA**

Room: East Meeting Room 13 (VCC)

Time: 4:00 PM–5:00 PM

Chair: Lisa DeLance

Participants:

4:00 Guy Hepp—Evidence for the Emergence of Social Complexity in Early Formative Period Coastal Oaxaca, Mexico

4:15 Rosemary Joyce—Death and the Origin of Enduring Social Relations

4:30 Kirsten Green—Maya Mortuary Practices over Time and Space: The Effects of Sociopolitical and Environmental Change on Mortuary Practices and the Statistical Analysis of Trends in Mortuary Characteristics

4:45 Lisa DeLance and Jaime Awe—The Complexity of Trash: Reframing Construction Fill

[358] **GENERAL SESSION ■ INCAN ARCHAEOLOGY II**

Room: East Meeting Room 3 (VCC)

Time: 4:00 PM–5:00 PM

Chair: Estelle Praet

Participants:

4:00 Mai Takigami, Fuyuki Tokanai and Minoru Yoneda—High C4 Plants Consumption from the Late Intermediate Period in the Cuzco Region

4:15 Estelle Praet, Peter Eeckhout, Milton Lujan Dávila and Sylvie Byl—When Archaeology Meets History: Documenting the Conquest and Transition Period at Pachacamac, Peru

4:30 Michael Wylde—The Inca Dogs and Their Ancestors

4:45 Manuel Perales—Between the Puna and the Valley: An Approximation to Local Communities—Inca State Interactions through Road Network Analysis in Jauja, Central Peru

[359] GENERAL SESSION ■ PERUVIAN ARCHAEOLOGY II**Room:** West Meeting Room 210 (VCC)**Time:** 4:00 PM–5:00 PM**Chair:** Stacy Dunn**Participants:**

- 4:00 Yumi Huntington and John Warner—Jequetepeque-Jataanca Acropolis as a Mesocosm: The Role of Architecture during the Late Formative Period
- 4:15 Ani St. Amand, Daniel H. Sandweiss and Alice R. Kelley—Aeolian Geoforming at a Preceramic Mound in Coastal Peru
- 4:30 Edward Zegarra—Archaeological Ethnography for a Decolonizing Methodology in the Central Highlands of Peru
- 4:45 Stacy Dunn—Adolf Bandelier's 1892–1894 Expedition to the Central Coast of Peru

Sunday Morning ■ April 2, 2017

[360] GENERAL SESSION ■ CULTURAL HERITAGE ISSUES AND OPPORTUNITIES

Room: East Meeting Room 10 (VCC)

Time: 8:00 AM–9:45 AM

Chair: Karly Law

Participants:

- 8:00 Nancy Mahoney—Ethics and Artifact Collecting: Interviews with Montana Collectors
- 8:15 Karly Law—Oregon Tribal Historic Preservation Offices: Problems and Challenges of Starting and Maintaining a THPO
- 8:30 Erika Robrahn Gonzalez—Collective Intelligence in Cultural Environment: Predictive Models, Preservation, and Valorization of Cultural Identity in a Brazilian Context
- 8:45 Jennifer Goddard—Cultural Amnesia, Archaeological Vandalism, and Loss Aversion in Heritage
- 9:00 Amilcar Vargas, Margarita Díaz-Andreu and César Villalobos—Local Engagement in UNESCO World Heritage Sites: Mexico as a Case Study
- 9:15 Jennifer Farquhar, Joan Schneider, Arlene Rosen, Yadmaa Tserendagva and Michael Heilen—The Intersection of Heritage Management and Academic Research: Results and Research Implications of Archaeological Survey of the Ikh Nart Nature Reserve, Dornogobi Province, Mongolia
- 9:30 Roberto Herrera and Francisco Corrales—Navigating Global and Local Attitudes toward Heritage Initiatives in Southern Costa Rica

[361] FORUM ■ CROSSING THE LINE: THE INVESTIGATION OF PROBABLE BURIALS AT THE INDIAN SHAKER MOTHER CHURCH

Room: East Meeting Room 4 (VCC)

Time: 8:00 AM–10:00 AM

Moderators: Stephanie Neil and Guy Tasa

Participants:

Rhonda Foster—Discussant

Margaret Henry—Discussant

Juliette Vogel—Discussant

Brandon Reynon—Discussant

[362] FORUM ■ ADVANCES IN MANAGEMENT FOR MILITARY CULTURAL RESOURCES PROGRAMS

(Sponsored by Military Archaeological Resources Subgroup [MARS])

Room: East Meeting Room 20 (VCC)

Time: 8:00 AM–10:00 AM

Moderators: Jake Fruhlinger and Kish LaPierre

Participants:

Natalie Ortega—Discussant

Nancy Farrell—Discussant

Shaun Nelson—Discussant

Kish LaPierre—Discussant

[363] FORUM ■ ARCHIVES IN CONTEXT: ISSUES OF TIME, SPACE, AND SCALE**Room:** East Meeting Room 9 (VCC)**Time:** 8:00 AM–10:00 AM**Moderators:** Katie V. Kirakosian and Wendy G. Teeter**Participants:**

Wendy G. Teeter—Discussant

Michelle Knoll—Discussant

Myrtle Shock—Discussant

Lyliam Posadas—Discussant

[364] POSTER SESSION ■ NORTH AMERICA: SOUTHEAST I**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 364-a Sarah Gilleland—Investigating Late Woodland Aquatic Catchments through the Reconstruction of Freshwater Mussel Habitats in Mississippi and Alabama, USA
- 364-b Renée Erickson—Gauging Style: A Stylistic Analysis of Arkansas and Red River Valley Earspools
- 364-c Katherine Padula—Re-Placing the Plantation Landscape at Yulee's Margarita Plantation, Homosassa, Florida
- 364-d Tiffany Raymond and Carl Lipo—Spatial and Temporal Variation of Prehistoric Cultural Elaboration in the Yazoo Basin of Mississippi
- 364-e Alyxandra Stanco—Osteoarthritis and Implications for Economic Lifestyle Change in Two Prehistoric Skeletal Populations
- 364-f Tiffiny A. Tung, George Kamenov, Kristina Lee and John Krigbaum—Documenting the Forced Migration of Enslaved Peoples at the Grassmere Plantation, Nashville, Tennessee Using Strontium and Lead Isotope Analyses
- 364-g Kristina Hill and I. Randolph Daniel—Reconstructing the Culture-History of Squires Ridge (31ED365)
- 364-h Deseray Helton, Elizabeth Sobel, F. Scott Worman, Jennifer Bengtson and Jack Ray—Household-Level Production and Consumption at South-Cape, a Mississippian Hinterland Site in Southeast Missouri
- 364-i Jon Russ, Ryan Hunt and Natalie Prodanovich—Organic Analysis of Smoking Pipe Fragments and Residue Scrapings

[365] POSTER SESSION ■ NORTH AMERICA: SOUTHEAST II**Room:** East Exhibit Hall B Poster Entrance (VCC)**Time:** 8:00 AM–10:00 AM**Participants:**

- 365-a Thomas Blaber, Nicholas Triozi and Anna Semon—Mica Symbolism from a Late Irene Mortuary Site
- 365-b Janet Rafferty—Reverse Engineering Dart Point Design Requirements Using Whole Points from a Middle Woodland Site in Mississippi
- 365-c Nicole Cerimele—Human-Animal Interactions at the Start of the Middle Holocene: New Evidence from Pit Deposits in Northeast Florida
- 365-d Sophie Minor and Paul Nick Kardulias—One Site, Multiple Histories: A Study of the Numerous Phases of Habitations at Fort Caswell
- 365-e Kate Hall, Samantha Mitchell and Patrick Lewis—An Application of Geospatial Technology to the Collection and Analysis of Human Skeletal Remains
- 365-f Katherine Wilson—The Ceramic Assemblage from Washington Mounds: A Caddo Site in Southwestern Arkansas
- 365-g Karen Smith, Vernon J. Knight Jr., Julie G. Markin and Keith Stephenson—Trend and Tradition in South Appalachian Carved Paddle Stamps

- 365-h Maureen Mahoney and Domonique deBeaubien—Dating a Tree Island: A Comparison between Faunal Bone, Shell, Pottery, and Coprolites
- 365-i Ryan McRae, Gary Aronsen and Erin Gredell—Bones, Beads, and Birds: Determining Cultural Affiliation of Skeletal Remains and Artifacts from Casuarina Mound, Brevard County, Florida
- 365-j Stephanie Hacker, Beatrix Arendt, Derek Wheeler and John G. Jones—Plant Analysis of an Eighteenth-Century Slave Quarter: Incorporating Macrobotanical and Pollen Analysis at Monticello to Improve our Understanding of Enslaved African American Lifeways
- 365-k Nicholas Triozi, Anna Semon and Thomas Blaber—Causes and Consequences of Pre- and Protohistoric Social Network Connectedness in Coastal Georgia

[366] POSTER SESSION ■ HERITAGE ISSUES AND OPPORTUNITIES IN THE AMERICAN SOUTHWEST
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 8:00 AM–10:00 AM

Participants:

- 366-a Courtney Rose and Ian Milliken—Pima County Cultural Resources Management on County Conservation Lands: Predicting Archaeological Sensitivity Zones and Refining Spatial Models
- 366-b Alexandra McCleary—Land Use and Site Formation Processes of a Genízaro Land Grant: Recent Excavations at the Pueblo de Abiquiu, New Mexico
- 366-c Sandi Copeland, Amanda White, Samuel Loftin, Leslie Hansen and Benjamin Sutter—Modeling Erosion Risks for Archaeological Sites in the American Southwest Using GIS and RUSLE (the Revised Universal Soil Loss Equation)
- 366-d Alan Madsen, Sean Dolan and LeAnn Purtzer—Stump Holes and Soot Staining: A 15-Year Update on the Wildfire Hazard Reduction Project at Los Alamos National Laboratory
- 366-e Evangelia Tsesmeli and David Eck—Eligible Recommended Archaeological Sites? Biases and Caveats: A View from New Mexico
- 366-f Michael Spears and Damian Garcia—A Case Study of Engaged Archaeology within Graduate Education
- 366-g Tina Hart, Michael L. Terlep, David Lewandowski, Theodore Tsouras and Francis E. Smiley—New Contributions to Black Mesa Archaeology
- 366-h Ben Hammer, James Potter, Terry Knight and Lynn Hartman—West Mancos Survey and Site Preservation Project, Southwest Colorado
- 366-i John Pryor—We Travel Together: A New Archaeology That Blends Western Science with Native American Perspectives and Values

[367] POSTER SESSION ■ NORTH AMERICA: GREAT BASIN
Room: East Exhibit Hall B Poster Entrance (VCC)
Time: 8:00 AM–10:00 AM

Participants:

- 367-a Lisa-Marie Shillito, Thomas Stafford Jr., Dennis Jenkins and Ian Bull—Investigating the Nature and Timing of the Earliest Human Occupation of North America Using a Novel Integration of Biogeochemistry and Micromorphology
- 367-b Brady Robbins and Spencer Lambert—Fremont Worked Bone Gaming Pieces: Their Life History Using Data from Wolf Village
- 367-c Christopher Noll—An Examination of the Browns Bench Ignimbrite from the Perspective of an Archaeologist
- 367-d Tatiana Menocal—An Overview of Cultural Resources Monitoring at the Nevada National Security Site

- 367-e Stephanie Lambert, Elizabeth Whisenhunt and Spencer Lambert—Fremont Abandonment Practices: A Case Study of Ventilation Tunnels at Wolf Village
367-f Anna Camp—Mats, Trays, Bowls, and Patches: Results from the Analysis of over 9,000 Years of Catlow Twine Basketry in the Archaeological Record
367-g Sarah MacDonald and Brian Yaquinto—Over the Mountains and through the Desert: Obsidian Use, Procurement, and Transportation in Northwest Colorado
367-h Richard Nicolas, Anthony Morales and Melanie Saldana—Analysis of Ground Stones Found at a West-Central Mojave Desert Rock Shelter Site

[368] POSTER SESSION ■ NORTH AMERICA: SOUTHWEST

Room: East Exhibit Hall B Poster Entrance (VCC)

Time: 8:00 AM–10:00 AM

Participants:

- 368-a Laura Ellyson, William Lipe and R.G. Matson—Changes in Turkey and Artiodactyl Abundance in Central Mesa Verde and Northern Rio Grande Archaeological Assemblages
368-b Sean Dolan—When Is a Fieldhouse? Reconsidering Fieldhouses on the Pajarito Plateau Using GIS Modeling and Excavation Data
368-c Caitlin Ainsworth—Late Spanish Colonial Subsistence Practices and Their Environmental Impact in the Middle Rio Grande Valley
368-d Shannon Landry—Red or Green? Examining the Reliability of Macaw Postcranial Identification
368-e Jeffrey R. Ferguson, Myles Miller and Martha Yduarte—Chemical Characterization and Source Identification of Obsidian Projectile Points in the Southern Southwest
368-f Kami Ahrens and Phil Geib—Analysis of Human Hair Bands from Old Man Cave, Utah
368-g Heidi Noneman, Christine VanPool and Andrew Fernandez—Examination of Organic Residues and Tribiochemical Wear in Low-Fired Casas Grandes Pottery Vessels
368-h Andrea Thomas—The Evaluation of the Labor Costs of Stone Boiling Dried Maize during the Early Agricultural Period in the Southwest
368-i Michael Aiupalasit—Common Goods in Uncommon Times: Water, Droughts, and the Sustainability of Ancestral Puebloan Communities in the Jemez Mountains, New Mexico (AD 1100–1700)
368-j Nicholas Kessler—Remotely Sensed Seasonal and Interannual Variability of Vegetation and Temperature Indices from Ancestral Pueblo Fields in the Lower Rio Chama Basin, New Mexico, USA
368-k Benjamin Van Alstyne—3D Modeling the Sites of the Virgin Branch Ancestral Puebloan with Photogrammetry and BIM
368-l Kent Mead, Megan Weldy and Kevin Pintz—Recent New Evidence for Late Archaic Occupation in the Pecos River Valley near Carlsbad, New Mexico
368-m Nicolas Gauthier and Matt Peebles—Drought Variability and the Robustness of Agrarian Social Networks
368-n Katie Richards—Evaluating and Reevaluating the Importance of Cacao, Nicotine, and Macrobotanicals at Alkali Ridge Site 13, an Early Pueblo I Site in Southeast Utah
368-o Guadalupe Sanchez Miranda, Guadalupe Sanchez and Claudia Leon—Between Seri, Cahita, and Tepima: Paleoethnobotanical Research on the Central Coast of Sonora, Mexico
368-p R. J. Sinensky and Kellam J. Throgmorton—Indexing Mobility in the Western Puerco Region of Arizona Using Paleoethnobotanical and Architectural Evidence

[369] GENERAL SESSION ■ CURRENT RESEARCH ON MAYA IDENTITY AND SOCIAL COMPLEXITY

Room: East Meeting Room 19 (VCC)

Time: 8:00 AM–10:00 AM

Chair: George J. Micheletti

Participants:

- 8:00 Alejandra Roche Recinos and Mallory E. Matsumoto—Maya Lithic Economies at Piedras Negras, Guatemala: Production and Exchange in an Elite Architectural Complex
- 8:15 George J. Micheletti—Ascendancy through Ancestry: Evidence of Late Classic Sociopolitical Change at the Ancient Maya Site of Pacbitun, Belize
- 8:30 Claudio Cioffi-Revilla—Application of the Canonical Theory to Origin and Development of Social Complexity at Tak'alik Ab'aJ, Guatemala
- 8:45 Mirko De Tomassi—El Culto de los Antepasados en Conjuntos Domésticos en el Valle de Copán, Honduras y las Implicaciones Sociales que Influyen en las Prácticas Funerarias
- 9:00 Juliette Testard—Mesoamerican Figurative Plaques: Elites' Legitimization Strategies during the Epiclassic Period (600 to 900 aC)
- 9:15 John Walden, Michael Biggie, Rafael Guerra and Julie Hoggarth—Investigating the Presence of Neighborhoods in Classic Maya Dispersed Settlement Patterns
- 9:30 Victoria Ingalls—A Place for the Living, A Place for the Dead: Social Memory at the Ancient Maya Hinterland Community of San Lorenzo, Belize
- 9:45 Karleen Ronsairo—Figurines, Households, and Social Identities at La Blanca during the Middle Preclassic Period (900–600 BCE)

[370] GENERAL SESSION ■ ARCHAEOLOGY OF THE CARIBBEAN II

Room: East Meeting Room 14 (VCC)

Time: 8:00 AM–10:00 AM

Chair: Lindsay Bloch

Participants:

- 8:00 Kenneth Kelly—Seeking Out Slavery in Colonial Saint Domingue (Haiti)
- 8:15 Natasha Fernandez-Perez and Isabel Rivera-Collazo—Beyond Subsistence: Food Consumption in the Military Garrison of San Juan de Puerto Rico from the Eighteenth to Nineteenth Centuries
- 8:30 Thomas Wake, Lana Martin and Tomas Mendizabal—Changing Interpretations of the Archaeology of Caribbean Western Panama
- 8:45 Natalie De La Torre Salas and Isabel Rivera-Collazo—Switching Perspectives: Ethnographic Analysis of Community Viewpoints Regarding In Situ Preservation of Archaeological Sites
- 9:00 Jennifer E. Lapp—Why Pacific Nicaragua Should Not Be Considered Mesoamerican during Prehistory
- 9:15 Heath Bentley, Lauren Sullivan and James Garber—An Analysis of Historic Glass Containers from St. George's Caye, Belize
- 9:30 Lindsay Bloch, Douglas Armstrong and Jillian Galle—Unraveling Global and Local Ceramic Production Networks: An LA-ICP-MS Analysis of Ceramics from Barbados, Jamaica, and Great Britain
- 9:45 Carly Pope—The Monagrillo Ceramic Complex of Panama in Subsistence and Social Contexts

[371] GENERAL SESSION ■ ECOLOGICAL APPROACHES IN ARCHAEOLOGY**Room:** East Meeting Room 5 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Pierre Morenon**Participants:**

- 8:00 R. E. Burrillo—Behind the Bear's Ears: Climate and Culture in the Early Pueblo Era on Elk Ridge, Southeast Utah
- 8:15 Angelina Perrotti—Paleoenvironmental Change during the Pleistocene-Holocene Transition at Sloth Hole (8JE121), Northwestern Florida: A Palynological Perspective
- 8:30 Elizabeth Niespolo, Warren Sharp, Christian Tryon, Tyler Faith and Todd Dawson—Using C and N Stable Isotopes in Ostrich Eggshells to Develop Paleoenvironmental Records for Late Pleistocene East African Rock Shelter Sequences
- 8:45 John Blong—Prehistoric Landscape Use in the Upper Susitna Basin
- 9:00 Christopher Ball—Reassessing Perspectives on Environmental Management in Southern Ontario
- 9:15 Jessica Morales, Lauren M. Mirasol, Amira F. Ainis and René L. Vellanoweth—Land Snails and Archaeology on the California Channel Islands
- 9:30 Christopher Gillam, Junzo Uchiyama, Mark Hudson and Carlos Zeballos—Honshu's Preagricultural Landscapes: Perspectives from Mt. Fuji and Toyama Bay
- 9:45 Ralf Vandam, Peter F. Biehl, Patrick T. Willet and Jeroen Poblome—Past Communities in the Marginal Landscapes of the Western Taurus Mountains, Southwest Turkey: The First Results of the Dereköy Archaeological Survey Project

[372] LIGHTNING ROUNDS ■ INSTITUTE FOR DIGITAL ARCHAEOLOGY METHOD AND PRACTICE PROJECT REPORTS**Room:** East Meeting Room 7 (VCC)**Time:** 8:00 AM–10:00 AM**Moderator:** Lynne Goldstein**Participants:**

- Lisa Bright—Discussant
- Stacey Camp—Discussant
- Judy Voelker—Discussant
- Benjamin Carter—Discussant
- Nancy Hoffman—Discussant
- Heather McKillop—Discussant
- Ann Stahl—Discussant
- Jolene Smith—Discussant
- Neha Gupta—Discussant
- Alice Lynn McMichael—Discussant
- Ashley Peles—Discussant
- Katherine Cook—Discussant

[373] SYMPOSIUM ■ AZTEC AT THE CROSSROADS AND IN THE CROSSHAIRS: 101 YEARS OF RESEARCH IN ONE CONVENIENT SYMPOSIUM**Room:** East Meeting Room 13 (VCC)**Time:** 8:00 AM–10:15 AM**Chair:** Erin Baxter**Participants:**

- 8:00 Aron Adams, Lori Reed and Linda Scott Cummings—Closing the Gap at Aztec Ruins: Refining the Dating Sequence Using Corn and Pottery

- 8:15 Lori Reed—The Late Bonito Phase at Aztec North and West Ruins: Interpreting the Ceramic Data
8:30 Michelle Turner and Ruth Van Dyke—The Archaeology of Aztec North
8:45 Laurie Webster and Edward Jolie—Aztec's Textiles, Baskets, and Other Perishable Traditions: Contributions of Recent Perishables Research to a New Understanding of the West Ruin
9:00 Benjamin Aaron Bellorado—Sandals from the Center Place, Footprints on the Pots: Continuity and Change in Twined Sandal Tread Designs from Chaco, Aztec, and Beyond
9:15 Pamela Stone, Ryan Harrod and Alyssa Willett—Living and Dying a Bioarchaeological Analysis of Human Remains Recovered by Earl Morris at Aztec Ruins
9:30 Erin Baxter—Aztec at the End of Days: Great House to Crossroads
9:45 Kyle Bocinsky—Discussant
10:00 Stephen Lekson—Discussant

[374] GENERAL SESSION ■ ARCHAEOLOGY IN OCEANIA**Room:** East Meeting Room 15 (VCC)**Time:** 8:00 AM–10:00 AM**Chair:** Jennifer Huff**Participants:**

- 8:00 Ian Takaoka and Sharyn Jones—Nukubulavu: An Examination of Fijian Mid-sequence Ceramics on Vanua Levu, Fiji
8:15 Katherine Woo—Paleoeconomies in the East Alligator River Region, Australia
8:30 Scarlett Chiu, Nicholas Hogg, Yu-yin Su and Shih-Ya Chang—Stressing Differences while Appearing to Be the Same: A Case Study from Lapita Pottery Motif Analysis
8:45 Helen Alderson—Women Weaving Individual and Collective Identities in Kosrae, Micronesia (1824–1924)
9:00 Andrew Lorey—Toward a Unified “Heritage Ecology”: Developing a Systems-Based Approach to Research in Archaeology and Heritage
9:15 Lorena Craig—Mapping Evolutionary Histories of Oceanic Mythology: Can Phylogenetic Methods Applied to Creation Myths Increase Our Understanding of Prehistoric Migrations?
9:30 Jennifer Huff—Paleoclimate Data and Behavioral Change in the Highlands of Papua New Guinea
9:45 Wendy Reynen—New Insights into the Dynamics of Human Behavior during the Last Glacial Maximum and Terminal Pleistocene in the Pilbara, Northwest Australia

[375] GENERAL SESSION ■ ROCK ART RESEARCH**Room:** West Meeting Room 210 (VCC)**Time:** 8:00 AM–10:15 AM**Chair:** Cory Fournier**Participants:**

- 8:00 Ahmed Alsherif—The Cultural and Historical Connection between Tefinagh Inscriptions and Rock Art Sites in Tadrart Acacus (Southwest Libya)
8:15 Lynda McNeil—Uintah Basin Basketmaker II Anthropomorphic Style: Antecedent and Ancestral to Classic Vernal Fremont Style Rock Art
8:30 Rory Becker, George Holley and Jakob Jensen—Use of Ultraviolet Imaging to Enhance Analysis of Incised Stone Artifacts

- 8:45 Jillian Huntley, Steven George, Mary-Jean Sutton and Paul Tacon—Second-hand? Paint Chemistry and the Age, Authenticity, and Conservation/Management of Hand Stencils from the Sunshine Coast, Queensland, Australia
- 9:00 William Jerrems—Petroglyphs as Time Markers for Pleistocene Occupation of the Great Basin
- 9:15 Kelly Jenks—Prehistoric Rock Art and Historic “Graffiti”: Petroglyphs at a Multicomponent Site in Eastern New Mexico
- 9:30 Andrés Troncoso—Why Did People Begin to Make Rock Art? A Case Study from North-Central Chile
- 9:45 James Farmer—God before Corn: Rock Art and the Origins of a Preagriculture Thunderstorm God in Ancient America
- 10:00 Cory Fournier and Francesca Neri—Comparative Analysis of Petroglyphs at the Crack-in-Rock Community

[376] GENERAL SESSION ■ LITHIC STUDIES**Room:** West Meeting Room 208 (VCC)**Time:** 8:00 AM–10:15 AM**Chair:** David Thomas**Participants:**

- 8:00 Courtney Birkett—Reexamination of a Small Prehistoric Site in Southeastern Virginia
- 8:15 Bretton Giles, Eric Skov and Shannon Koerner—A Comparison of Two Bluff Top Prehistoric Sites at Fort Riley, Kansas
- 8:30 Martin Menz—Craft, Commerce, and Community at Kolomoki: Domestic Craft Producers in the Woodland Period of the American Southeast
- 8:45 Will Megarry, Gabriel Cooney and Rob Sands—A Multiscale Landscape Approach to the Production of Polished Stone Tools in Neolithic Shetland
- 9:00 Edward Stoner and Geoffrey Cunnar—Betwixt and Between the Long and Short of It: The Pequop Projectile Point Type Site in Goshute Valley, Northeastern Nevada, and Implications for the Long and Short Chronology Debate in the Great Basin
- 9:15 David Thomas—Great Basin Incised Stones and the Shoshonean World
- 9:30 Daniel Pierce—The Obsidian Trail: A GIS Model for Obsidian Trade Routes in the West Mexican Aztatlán Tradition (AD 900–1350)
- 9:45 David Sosa, Nicolas P. Jew and René L. Vellanoweth—A Study on Trade and Behavior through the Analysis of Exotic Lithic Debitage and Artifacts at the Tule Creek Site (CA-SNI-25), San Nicolas Island, California
- 10:00 Douglas Kullen—Identifying Hide-Processing Activity Areas at Hunters Home

[377] GENERAL SESSION ■ ARCHAEOLOGY IN THE SOUTHEASTERN UNITED STATES**Room:** East Meeting Room 3 (VCC)**Time:** 8:00 AM–10:15 AM**Chair:** Laura Kate Schnitzer**Participants:**

- 8:00 J. M. Adovasio—Perishable Artifacts from the Old Vero Site (8IR009), Indian River County, Florida
- 8:15 Nathan Lawres—Relationality, Circularity, and Monumentality: Ontological Materializations in the Belle Glade Monumental Landscape
- 8:30 Evan Peacock, Michael Galaty and Dylan Karges—Temper, Temper: Variability in Ceramic Paste Recipes at a Mississippian/Protohistoric Village in Northeastern Mississippi
- 8:45 William Locascio and Matthew Colvin—Prehistoric Tree Island Use in the Northern Everglades: New Evidence from the Late Archaic

- 9:00 Laura Kate Schnitzer—Changing Tides, Rising Waters: Wetland Archaeology on Georgia's Lower Coastal Plain
9:15 Anna Semon—Examining Small-Scale Variations within Late Mississippian Complicated Stamped Pottery from St. Catherines Island, Georgia
9:30 Cameron Howell—Removing the Present to Model the Past: DEM and Paths in the Sandhills of South Carolina
9:45 Margo Schwadron—Climate Change and Threatened Paleoecological Landscapes of South Florida
10:00 Charlotte Goudge and Sarah Hunt—Seeding Colonialism: European Trade Beads within Native American Contexts

- [378] SYMPOSIUM ■ WHALES AND WHALING: NEW PERSPECTIVES AND APPROACHES FOR DOCUMENTING LONG-TERM EXPLOITATION OF CETACEANS**
Room: East Meeting Room 17 (VCC)
Time: 8:00 AM–10:30 AM
Chair: Camilla Speller

Participants:

- 8:00 Camilla Speller, Anne Charpentier, Ana Rodrigues, Armelle Gardeisen and Michael Hofreiter—Molecular Solutions for the Taxonomic Identification of Archaeological Whale Remains
8:15 Vicki Szabo and Brenna McLeod Frasier—Transdisciplinary Approaches to Norse Use of Marine Mammals: History, Archaeology and aDNA
8:30 Dario Bernal-Casasola—Rome and Cetaceans: Archaeological Evidence from the Strait of Gibraltar
8:45 Youri Van Den Hurk—Cetacean Exploitation in the Medieval London
9:00 Questions and Answers
9:15 Gregory Monks—Conceptual Frameworks for Nuu-chah-nulth Whaling
9:30 Gabriel Sanchez—Cetacean Hunting on the Northern Oregon Coast: Evidence from the Par-Tee Site (35CLT20)
9:45 Szymon Surma and Tony Pitcher—Reconstructing the Historical Abundance and Importance of Large Whales in Northern British Columbia
10:00 Frances Robertson and Andrew Trites—New Insights into the Quileute Whalers of Washington State from Ecology and Archaeology
10:15 John Hairr—Native American Whaling and Porpoise Hunting Techniques along the East Coast of North America

- [379] SYMPOSIUM ■ ADORNMENT, PERSONAL ORNAMENTATION, AND THE CONSTRUCTION OF IDENTITY: A GLOBAL ARCHAEOLOGICAL PERSPECTIVE**
Room: West Meeting Room 203 (VCC)
Time: 8:00 AM–10:30 AM
Chair: Hannah Mattson

Participants:

- 8:00 Carla Klehm—Material Elaboration and Monumentality: Mortuary Beads, Pastoralists, and Social Innovation in Northwest Kenya
8:15 Megan Cifarelli—The Materiality of Life and Death: Dress Ornaments and Shifting Identities at Hasanlu, Iran
8:30 Nadya Prociuk—Forging Identity: the Social and Symbolic Significance of Torques in the Iron Age Castro Culture
8:45 Zanette Glørstad—Garnets for the Vikings: Charismatic Jewelry and Family Memories in Early Viking Age Scandinavia
9:00 Annelou van Gijn and Matilda Sebire—Making Amber Beads: Technological Insights into a Late Neolithic and Bronze Age Craft Activity

- 9:15 Catarina Guzzo Falci, Annelou van Gijn and Corinne L. Hofman—From Beads to Biographies: A Microwear Study of Late Precolonial Ornaments from the Dominican Republic
- 9:30 Geoffrey McCafferty and Sharisse McCafferty—Costume and Identity in Pacific Nicaragua
- 9:45 Hannah Mattson—Beads, Myth, and Ritual Practice: Tracing Traditions of Ornament Use in Ceremonial Deposition and Costuming in the Northern U.S. Southwest
- 10:00 Elliot Blair—Linking Beads, Linking People: A Social Network Approach to Exploring Identity in the Colonial Southeast
- 10:15 Julian Thomas—Discussant

- [380] SYMPOSIUM ■ TRAPS, WEIRS, PONDS, AND GARDENS: EXPLORING THE SOCIAL AND ECOLOGICAL SIGNIFICANCE OF AQUATIC SUBSISTENCE FEATURES**
Room: East Meeting Room 11 (VCC)
Time: 8:00 AM–10:30 AM
Chairs: Giessa Mahar and Damion Sailors

Participants:

- 8:00 Ginevra Toniello, Dana Lepofsky and Kirsten Rowell—Ancient Clam Gardens and Ecological Enhancement on Northern Quadra Island, British Columbia
- 8:15 Damion Sailors—Mapping Island “Moka”: Assessing the Spatial Patterns of Customary Fishing Weirs in the Fiji Island Group
- 8:30 Patrick Kirch—Fishponds and Aquaculture in the Ancient Hawaiian Political Economy
- 8:45 Questions and Answers
- 9:00 Megan Caldwell, Dana Lepofsky and Robert Losey—Ecological, Archaeological, and Social Perspectives of Northern Coast Salish Marine Resource Management Systems
- 9:15 Giessa Mahar—Investigating the Impact of Fish Weirs from the Bottom Up: A Perspective from the Southeast (USA)
- 9:30 Aidan O’Sullivan—Medieval Fish Weirs in Britain and Ireland: Exploring Practice, Power, and Identity among Fishing Communities
- 9:45 Steve Langdon—Tlingit “Streamscaping” as Landesque Capital Formation
- 10:00 Ian McNiven and John Bradley—“Why those old fellas stopped using them?” Spiritual and Ritual Dimensions of Stone-Walled Fish Trap Use among the Yanyuwa of Northern Australia
- 10:15 Madonna Moss—Discussant

- [381] SYMPOSIUM ■ ANCIENT CALIFORNIA: RECONSTRUCTING LIFEWAYS WITH BEHAVIORAL ECOLOGY MODELS**
Room: East Meeting Room 12 (VCC)
Time: 8:00 AM–10:30 AM
Chairs: Alexandra Greenwald and Gregory Burns

Participants:

- 8:00 Brian Byrd and Adrian Whitaker—Did Increased Landscape Management through Pyrodiversity Lead to a Rise in Deer Procurement in the San Francisco Bay Area?
- 8:15 Susan Talcott, Jelmer Eerkens and Eric Bartelink—Modeling the Relationship between Riverine Resource Exploitation, Technology, and Social Organization in the Sacramento River Basin
- 8:30 Roshanne Bakhtiary, Rosemary Cambra and Alan Leventhal—Stable Isotope Evidence of Seasonal Shellfish Harvesting and Consumption in Prehistoric Central California

- 8:45 Bryna Hull, Jelmer Eerkens and Reba Fuller—Adaptive Dietary Response to Long-Term Drought: Diachronic Stable Isotope Evidence from the Central Sierra Nevada, California
9:00 Carly Whelan—The Viability of Long-Distance Acorn Transport in Eastern California
9:15 Nicholas Hanten—Settlement Patterning and the Ideal Free Distribution in the Ethnographic and Prehistoric Sierra Nevada of California
9:30 Brian Barbier—Beads All the Way Down: Reassessing the Economics of Shell Bead Production on Santa Cruz Island
9:45 Gregory Burns and Jelmer Eerkens—Ancient Origins of Ethnographic Shell Bead Money in Central California
10:00 Alexandra Greenwald—Fertility in Ancient California: Life History Strategies and Implications for Demographics, Resource Intensification, and Social Organization
10:15 Questions and Answers

[382] SYMPOSIUM ■ LANDSCAPES OF CHANGE: INTEGRATED SOCIO-ECOLOGICAL HISTORIES IN THE CHICAMA VALLEY, PERU
Room: East Meeting Room 18 (VCC)
Time: 8:00 AM–10:45 AM
Chairs: Benjamin Vining and Ari Caramanica

Participants:

- 8:00 Jeffrey Quilter and Regulo Franco J.—The Chicama Valley in Time and Space
8:15 Tom Dillehay—Where the Land Meets the Sea: Preceramic Complexities on the North Coast of Peru
8:30 Steven Goodbred, Mario Pino and Tom Dillehay—Holocene Geology and Paleoenvironmental History of the lower Chicama River Valley and Coast
8:45 C. Fred Andrus, Alice R. Kelley and Daniel H. Sandweiss—Productivity in a Human Context: Creating and Applying Proxies Relevant to Chicama Valley Archaeology
9:00 Glenn Russell and Christopher Attarian—The Chicama Valley Archaeological Project (1989–2000) Revisited
9:15 Michele Koons—Climate Change and Moche Politics: A View from the Northern Chicama Valley, Peru
9:30 Ari Caramanica and Gary Huckleberry—A History of Landscape Transformation and Environmental Change across the Ascope Irrigation System of the Chicama Valley
9:45 Benjamin Vining—Satellite Remote Sensing of Archaeological Environmental Change in the Chicama Valley
10:00 Frances Hayashida—Discussant
10:15 Carole Crumley—Discussant
10:30 Questions and Answers

[383] SYMPOSIUM ■ TERRITORIAL BEHAVIOR AND ECOLOGY
Room: West Meeting Room 204 (VCC)
Time: 8:00 AM–10:45 AM
Chairs: Brian Codding, Adrian Whitaker and Nathan Stevens

Participants:

- 8:00 Jacob Freeman—The Effect of Property Rights on Low-Level Food Production
8:15 Adrian Whitaker and Jeffrey Rosenthal—Social Boundaries and the Cultural Ecology of Artiodactyl Hunting in Prehistoric Central California
8:30 Frank Bayham and Kasey Cole—Territoriality, Intertribal Boundaries, and Large Game Exploitation: Empirical Evaluation of a Spatial Bioeconomic Model of Conflict in the Western United States

- 8:45 Ashley Parker, Christopher Parker and Brian Codding—When to Defend? Optimal Territoriality across the Numic Homeland
- 9:00 Kelly McGuire and William Hildebrandt—The Role of Portable Rock Art during the Northern California Archaic Period
- 9:15 Christopher Jazwa, Douglas J. Kennett and Bruce Winterhalder—Territoriality among Coastal Villages on California's Northern Channel Islands
- 9:30 David Harvey—Despotism and Territorial Behavior: Low Population Density Foragers and Territorial Maintenance
- 9:45 Brian Codding, Erick Robinson, Nathan Stevens, Terry Jones and Robert Kelly—Ecology, Territoriality, and the Emergence of Acorn and Maize Economies in Western North America
- 10:00 Nathan Stevens, Adrian Whitaker and Jeffrey Rosenthal—Bedrock Mortars as an Indicator of Territorial Behavior in Late Holocene California
- 10:15 Shannon Tushingham and Robert Bettinger—Diversity and Development of Property Rights and Money in the Southern Pacific Northwest Coast
- 10:30 Questions and Answers

[384] SYMPOSIUM ■ THE CAIMAN'S (AND FROG'S) REVENGE: INTERSECTING PAPERS IN HONOR OF PETER G. ROE
Room: West Meeting Room 202 (VCC)
Time: 8:00 AM–10:45 AM
Chair: Peter E. Siegel

Participants:

- 8:00 Paul R. M. Miller, Paola Cortez Bianchini, Paola May Rebollar, Marta Adriana Pedri and Luis Renato Nascimento—"Bai Kui," the True Garden; "Ava-Ti," the White Population: Horticultural Intensification in Lowland South America
- 8:15 Arie Boomert—Origin of the Pitch Lake: An Amerindian Myth from Trinidad
- 8:30 Peter E. Siegel, Renzo Duin and Jimmy Mans—The Cultural Kaleidoscope in the "Island of Guiana"
- 8:45 George Mentore—The Angel of History and the Paradise of Progress in the Scholarship of Peter Roe
- 9:00 Maria Magdalena Antczak and Andrzej T. Antczak—"Winged Worldviews": Human-Bird Entanglements in Northern Venezuela, AD 1000–1500
- 9:15 James A. Zeidler—Animal Imagery and the Mythic Level of Jama-Coaque Figural Style
- 9:30 Peter W. Stahl, Josefina Vásquez Pazmiño and Florencio Delgado Espinoza—Shamans, Jaguars, Owls, Cosmograms, and Zygotes: Matapalo and the Origins of Late Valdivia Stone Plaques
- 9:45 Peter G. Roe—Bayamanaco and the Cayman: The Mythic Origin of Manioc Cultivation, Amazonia-Antilles
- 10:00 J. Scott Raymond—Discussant
- 10:15 Warren DeBoer—Discussant
- 10:30 Questions and Answers

[385] SYMPOSIUM ■ AN OTHER-THAN-HUMAN BEING: THE ARCHAEOLOGY OF BEARS IN NORTH AMERICA
Room: West Meeting Room 205 (VCC)
Time: 8:00 AM–10:45 AM
Chairs: Heather Lapham and Gregory Waselkov

Participants:

- 8:00 Joaquín Arroyo-Cabralles and Eileen Johnson—North American Late Pleistocene Bear: Diversity and Resource for Early Peoples

- 8:15 Michael Ciani—The Bear in the Footprint: Using Ethnography to Interpret Archaeological Evidence of Bear Hunting and Bear Veneration in the Northern Rockies
- 8:30 David Mather—"Dear, Honored Guest": Archaeological Models of Bear Ceremonialism in Minnesota
- 8:45 Ralph Koziarski—Did Bears Make the Fur Trade Possible? Seasonal Resource Scheduling during Wisconsin's Early and Middle Historic Periods
- 9:00 Claire St-Germain, Christian Gates St-Pierre, Krista McGrath, Keri Rowsell and Matthew Collins—Black Bear among the St. Lawrence Iroquoians: Food, Tools, and Symbols
- 9:15 Thomas Berres—Bear Imagery and Ritual in Midwest North America
- 9:30 Questions and Answers
- 9:45 Megan Kassabaum and Ashley Peles—Unusual Elements, Special Contexts: Bear Ceremonialism in Context at Feltus, Jefferson County, Mississippi
- 10:00 Heather Lapham and Thomas Whyte—Black Bear Use through Time in the Southern Appalachians
- 10:15 Heidi Altman and Tanya Peres—Brother Bear: The Role of *Ursus americanus* in Cherokee Society
- 10:30 Gregory Waselkov—Bear/Human Relationships in Southeastern Native North America: Creating Archaeological Models from Historical Accounts

[386] SYMPOSIUM ■ EMERGING FROM THE PLACE OF DARKNESS: SUBTERRANEAN ARCHAEOLOGY IN MESOAMERICA

Room: West Meeting Room 206 (VCC)

Time: 8:00 AM–10:45 AM

Chair: James Brady

Participants:

- 8:00 James Brady—An Interpretation of Motifs on Protoclassic Polychrome Pottery from Naj Tunich Cave
- 8:15 Cristina Verdugo, Kimberly Zhu and Lars Fehren-Schmitz—Beautiful Virgins and Male War Captives: The Role of Sex Attribution in Ancient Maya Human Sacrifice at Midnight Terror Cave, Belize
- 8:30 Paulo Medina—Demystifying Southern Lowland Chultunes: The Ritual Space Hypothesis
- 8:45 Toni Gonzalez and Samantha Lorenz—Architecting the Underworld: What Is a Southern Maya Lowland Chultun?
- 9:00 Allan Cobb and Linda Palit—Leaving Their Mark on the Wall: Determining Sex in Ancient Maya Rock Art
- 9:15 Humberto Nation, Leah Minc, Holley Moyes and James Brady—Analysis of Culturally Derived Speleothem by INAA: An Analytic Approach to Sourcing
- 9:30 Dominique Rissolo, Michael R. Hess, Jose Huchim Herrera and Fabio Esteban Amador—Satunsat Revisited: Comprehensive Digital Documentation of an Architectural Cave at Oxkintok, Yucatán
- 9:45 Jon Spenard, Michael Mirro, Jennifer Weber and Terry Powis—Digital Documentation of Ancient Ritual Landmarks: Modeling Senses of Place with Photogrammetry, Lidar, and Virtual Tours.
- 10:00 Cameron S. Griffith, Adam Spring and Brent Woodfill—Comparisons and Contrasts of Digital Imaging Technologies in Subterranean Mesoamerica
- 10:15 Rebecca Sload—Reverential Termination of Sun Pyramid Cave, Teotihuacán—Round 2
- 10:30 Cinthia M. Campos and José Luis Punzo—An Interpretation of the Rock Art in La Cueva de la Huachiza, Santa Clara del Cobre, Michoacán

[387] GENERAL SESSION ■ CURRENT PERSPECTIVES ON PACIFIC NORTHWEST COAST ARCHAEOLOGY**Room:** East Meeting Room 16 (VCC)**Time:** 8:00 AM–10:45 AM**Chair:** Kathryn Krasinski**Participants:**

- 8:00 Hannah Wellman—Applied Zooarchaeology and Oregon Coast Sea Otters (*Enhydra lutris*): Following up on Lyman 1988
- 8:15 Brennan Bajdek, Terry Ozburn and Cam Walker—Archaeological Evidence for Bighorn Sheep in the Portland Basin
- 8:30 Terence Clark—Beyond House Floors: The Logistics of Northwest Coast Plankhouse Villages
- 8:45 Kathryn Krasinski, Brian Wygal, Charles Holmes and Barbara Crass—The Holzman Site: Faunal Remains from a Late Pleistocene Occupation in the Tanana Valley, Alaska
- 9:00 Andrew Trites and Frances Robertson—Archaeological Data from Washington State Indicate That Northern Fur Seals Will Likely Once Again Be a Dominant Predator in the California Current System
- 9:15 Eva Hulse and Sarah L. Dubois—Head for the Hills: Resource Specialization in the Prehistoric Portland Basin
- 9:30 Patrick Dolan and Colin Grier—Centralized Households and Decentralized Communities: Economic Integration in a Marpole Period Plankhouse Village
- 9:45 Megan Harris—Ground Stone Disk Bead Distribution and Frequency in Katzie Territory, British Columbia
- 10:00 Thomas Fenn and Doug Anderson—Glass Beads and Evidence for Early “Precontact” Trade in Northwestern Alaska
- 10:15 William Brown—Disentangling the Demographic Consequences of Subsistence Stress and Parasite Epidemiology among the Ancestral Alutiiq of the Kodiak Archipelago
- 10:30 Jezelle Zatorski and Keli Watson—Living Landscapes and Moving Cultures

[388] SYMPOSIUM ■ FROM BIRDSEED TO SUPERFOOD: CHENOPODIUM CULTIVATION AND MANAGEMENT ACROSS THE GLOBE**Room:** East Meeting Room 2 (VCC)**Time:** 8:00 AM–11:00 AM**Chairs:** Maria C. Bruno and Gayle J. Fritz**Participants:**

- 8:00 Gayle J. Fritz and Karen R. Adams—Harvesting, Management, and Possible Cultivation of Chenopods (*Chenopodium* spp.) in the North American Southwest
- 8:15 Eric Wohlgemuth and Maria C. Bruno—Intensive Use of Wild Chenopodium by Central California Hunter Gatherers
- 8:30 Jon Hageman and David Goldstein—From Quelites to Crop Indices: Thinking through Maya Chenopods
- 8:45 Emily McClung de Tapia—Domesticated Huauhtzontli (*Chenopodium berlandieri* Moq. ssp. *nuttalliae* [Safford] Wilson and Heiser) in Prehispanic and Modern Mexico
- 9:00 María Laura López and María Teresa Planella—Chenopod Data in Two Countries of South America: Advances in Knowledge about the Use of Chenopodium in Argentina and Chile from Early Holocene (9000–11,000 BP) to Historical Times (250 BP)
- 9:15 Natalia Ryabogina and Robert Spengler—Archaeobotanical Chenopodium Seeds from across Central Asia
- 9:30 Xinyi Liu and Zhijun Zhao—The Use of Chenopodium Plants in China

- 9:45 David Goldstein and Jon Hageman—From Quelites to Crop Indices: Thinking through Maya Chenopods
10:00 Dorian Q. Fuller—Discussant
10:15 Susan Allen—Discussant
10:30 Kristen Gremillion—Discussant
10:45 Questions and Answers

[389] SYMPOSIUM ■ SHORT-TERM OCCUPATIONS IN PALEOLITHIC ARCHAEOLOGY

Room: East Meeting Room 8 (VCC)

Time: 8:00 AM–11:00 AM

Chairs: Erella Hovers and Andrea Picin

Participants:

- 8:00 Nicholas Conard—Examining Sedimentation Rates, Find Densities, Raw Material Economies, and Technological Solutions in Paleolithic Contexts
8:15 Christian Tryon, Nick Blegen and Tyler Faith—The Scatter between the Scatter between the Patches: A Tephrostratigraphic Approach to Low-density Archaeological Sites in the Eastern Lake Victoria Basin of Kenya
8:30 Gonen Sharon, Maya Oron, Rebecca Biton, Rivka Rabinovich and Steffen Mischke—A Week in the Life of the Mousterian Cows Hunter: A Mousterian Hunting Location on the Banks of the Paleo-Hula Lake
8:45 Magda Ciesla, Anna Kraszewska and Paweł Valde-Nowak—Reworked Artifacts and Models of Raw Material Exploitation as Indicators for Settlement Duration on Middle Paleolithic Sites in the Highlands of Central Europe
9:00 Andrea Picin—Neanderthal Short-Term Occupations in Open Air Sites: An Overview from Eastern Germany
9:15 Julien Riel-Salvatore, Fabio Negrino, Marco Peresani, Martina Parise and Jamie Hodgkins—Characterizing Ephemeral Paleolithic Occupations at Arma Veirana (Liguria, Italy)
9:30 Jordi Rosell, Ruth Blasco, Florent Rivals and Maite Arilla—Short-Term Neanderthal Occupations and Carnivores in the Northeast Iberian Peninsula
9:45 Paul Thacker—The Importance of Short Duration Archaeological Sites for Contextualizing Forager Organization: An Argument from the Middle and Upper Paleolithic of Central Portugal
10:00 Nicolas Zwyns, Damien Flas, Aurora Allshouse, Johua Noyer and Kevin Smith—The Initial Upper Paleolithic of Northern Mongolia: Site Function, Mobility, and Assemblage Plasticity
10:15 Nicolas Naudinot and Gregor Marchand—Understanding the Short-Term Occupations of the Late Glacial and Early Mesolithic Groups in Western Europe
10:30 Nuno Bicho and João Cascalheira: A Critical Review of the Meaning of Short-Term Occupation in Early Prehistory
10:45 Steven Kuhn—Discussant

[390] GENERAL SESSION ■ CERAMICS IN SOUTHWESTERN ARCHAEOLOGY

Room: West Meeting Room 209 (VCC)

Time: 8:00 AM–11:00 AM

Chair: Patrick Lyons

Participants:

- 8:00 Evan Giomi, Leslie Aragon, Benjamin Aaron Bellorado, Barbara Mills and Matt Peebles—Dogoszh-Style Ceramics as Markers of Elite Status within the Chacoan Regional System
8:15 Heather Seltzer—Awanyus, Kachinas, and Birds, Oh My! Exploring Changes in Iconography in the Contact Era Rio Grande Pueblo World

- 8:30 Maxwell Forton—Corridors of Interaction: Using Chuskan Ceramics and Lithics to Reveal the Larger Sociopolitical Hierarchy of Chaco Canyon
- 8:45 Leon Natker—Chupadero Black-on-White: Communities of Practice, Identity, and Memory
- 9:00 Dylan Person—A Dance with Dragons
- 9:15 Samantha Linford—Ceramic Sociology Revisited: Ceramic Design Analysis in the Sand Canyon Locality
- 9:30 Jaclyn Eckersley—On the Verge: A Pottery Analysis of the Northern Periphery of the Northern San Juan Region
- 9:45 Garrett Leitermann—The Applicability of Laser-Induced Breakdown Spectroscopy (LIBS): A Case Study of Sourcing Ceramics in the Northern Mimbres Area
- 10:00 Caroline Gabe—Fine Dining in the Borderlands: Exploring Spanish Colonial Group Identity in Seventeenth-Century New Mexico
- 10:15 Krystal Britt—Ceramic Production and Community Formation in the Middle Little Colorado River Valley, Northern Arizona
- 10:30 Patrick Lyons, Don Burgess, Marilyn Marshall and Jaye Smith—Maverick Mountain Phase Ceramics from Point of Pines Pueblo: A Preliminary Report
- 10:45 Elizabeth Long—Saenger Pottery Works: Preliminary Report—Unlocking a Town's History through Their Pottery

[391] SYMPOSIUM ■ MOLDING MATTER: TECHNOLOGIES OF REPRODUCTION IN THE PRECOLUMBIAN AMERICAS
Room: West Meeting Room 207 (VCC)
Time: 8:00 AM–11:15 AM
Chairs: Mallory E. Matsumoto and Stephen Houston

Participants:

- 8:00 Stephen Houston—Molded Meaning
- 8:15 Jeffrey Blomster—Inscription, Replication, and Production of Olmec Imagery and Regional Identities
- 8:30 Julia Guernsey and Michael Love—Hand-Modeled Preclassic Figurines and Early Expression of Concepts of Replication
- 8:45 Sarah Clayton—Handmade or Mass-Produced: Ritual Objects and the Making of Identity in the Teotihuacán Region
- 9:00 Christina Halperin—Profane Illuminations: Molded Maya Figurines in Comparative Context
- 9:15 Mary Miller—Technologies of Replication in Maya Figurines
- 9:30 Mallory E. Matsumoto—Molding and Stamping Hieroglyphs on Maya Ceramics
- 9:45 Cherra Wyllie—Mimesis and Alterity in Classic Veracruz Ceramic Art
- 10:00 Tom Cummins—A Reconsideration of Mold-Made Ceramics in Coastal Ecuador: Chorrera and Jama Coaque
- 10:15 Abigail Levine—Not Quite One and the Same: Repetition and Rule in the Inka Provinces
- 10:30 Joanne Pillsbury—Discussant
- 10:45 Patricia McAnany—Discussant
- 11:00 Questions and Answers

[392] SYMPOSIUM ■ A MATERIAL WORLD: COLLABORATIVE RESEARCH IN ART, ARCHAEOLOGY, AND MATERIALS SCIENCE IN THE STUDY OF THE ANCIENT AMERICAS

Room: East Ballroom C (VCC)

Time: 8:00 AM–11:15 AM

Chairs: Megan E. O'Neil and Heather Hurst

Participants:

- 8:00 Heather Hurst and Caitlin O'Grady—The Black, the Red: A Study of Two Maya Mural Pigments from the Petén Region
- 8:15 Marie Desrochers, Marvin Rowe, Sally Cole and Karen Steelman—Lead and Zinc Pigmented Mural Paints: Lowry Pueblo Great House, Southwest Colorado
- 8:30 Michelle Rich—Beyond Polychrome and Greenstone: FTIR and SEM-XEDS Analysis of Fine-Grained Remains from Two Ancient Maya Royal Tombs at El Perú-Waka'
- 8:45 Juan Melendez—Ancient Greenstone Mosaic Masks from the Central Maya Lowlands of Guatemala: A Contextual and Technological Study
- 9:00 Emmett Nahil and Mary Clarke—Maya Monument Production: Techne and the Birth of Meaning
- 9:15 Sarah Newman—First Steps and Finishing Touches: Imaging Techniques and Ancient Maya Bone Craft Production
- 9:30 Questions and Answers
- 9:45 Caitlin O'Grady, Nancy Odegaard and E. Charles Adams—Journeys of Our Ancestors: Ceramic Colorants and their Role in Understanding Migration in the American Southwest
- 10:00 Jennifer Loughmiller-Cardinal—They Are What They Eat: A Need to Know More about Diet through Residues, Hieroglyphic Texts, and Images of the Classic Mayas
- 10:15 Megan E. O'Neil, Charlotte Eng, John Hirx, Diana Magaloni and Yosi Pozeilov—Collaborative Research on Maya Ceramic Vessels at LACMA
- 10:30 Davide Domenici—Colorful Material Connections: Noninvasive Analyses of Mesoamerican Pictorial Manuscripts and Their Cultural-Historical Implications
- 10:45 Harriet "Rae" Beaubien—Discussant
- 11:00 Dorie Reents-Budet—Discussant

[393] SYMPOSIUM ■ THE NORTH AMERICAN CONTINENTAL SYSTEM: INTERACTION AND EXCHANGE ACROSS THE CONTINENT

Room: East Ballroom A (VCC)

Time: 8:00 AM–11:45 AM

Chairs: Erin M. Smith and Mikael Fauvelle

Participants:

- 8:00 Mikael Fauvelle and Erin M. Smith—Big Picture History in North America: Integrating Narratives of Our Continent's Past
- 8:15 Matthew Des Lauriers—Inheritance, Innovation, and Interaction: The Motivations for and Consequences of Social Interaction in the Context of Initial Settlement
- 8:30 William Fox—Extended Relations in the Great Lakes Region
- 8:45 Gerald Oetelaar—Natural Disasters and Interregional Interactions: The Establishment and Maintenance of Long-Distance Connections beyond the Northern Plains
- 9:00 Erin M. Smith and Mikael Fauvelle—Interactions and Social Change in California: A Perspective from the Far West
- 9:15 Colin Grier and Grant Keddie—Tracing the World's Edge: Northwest Coast Interactions with the External World
- 9:30 Alice Kehoe—Following the Data for Long-Distance Travels

- 9:45 Questions and Answers
10:00 Timothy R. Pauketat—Bundled Transfers and Water Shrines: The Big-Historical Implications of a Pan-American Phenomenon
10:15 Peter Peregrine—Information Exchange in the Postclassic Oikoumene: A View from Midcontinental North America
10:30 Nancy White—Long-Distance Connections across the Southeastern United States and Mesoamerica
10:45 Randall McGuire—How Modern Boundaries Blind Us to the Precolumbian Known World: A View from the Southwest/Northwest
11:00 Stephen Lekson—Big (Pre)History in North America: A View from the Southwest
11:15 Kenneth Sassaman—Discussant
11:30 Justin Jennings—Discussant

[394] SYMPOSIUM ■ COLLABORATIVE AND COMMUNITY ARCHAEOLOGY**Room:** East Ballroom B (VCC)**Time:** 8:00 AM–11:45 AM**Chairs:** Charles Bello and Howard Higgins**Participants:**

- 8:00 Charles Bello—Introduction to Session and Opening Remarks
8:15 Howard Higgins and J. Michael Bremer—The Jemez Mountains Ethnohistoric Assessment: A Critical Examination of an Alternative Approach to Consultation
8:30 Ronald Maldonado—Long Day's Journey into Night: Government to Government Consultation under Section 106 on the Navajo Nation
8:45 Stephanie Huddlestan and Amanda Marshall—Collaboration Continues: Revisiting Archaeology between CRM Archaeologists and First Nations Communities in the Pacific Northwest
9:00 Kurt F. Anschuetz and Kurt E. Dongoske—Hadiya:wa: Do You Hear What Traditional Pueblo Cultural Advisors Are Saying?
9:15 David Guilfoyle, Genevieve Carey, Raven Willova-Williams, Michael Bernard and Sherry Kime—Empowering Tribal Youth in Cultural Heritage Management
9:30 J. Gregory Smith, Lawrence Todd and Brian Liesinger—Community Archaeology at the Heart Mountain Relocation Camp, Park County, Wyoming
9:45 Meghan Dudley, Allison Douglas and Bonnie Pitblado—“Come Together, Right Now”: The Oklahoma Public Archaeology Network and Its Role in Oklahoma Public Archaeology
10:00 Phillip Ashlock and Dawn Chapman Ashlock—Fortifying a Community through Public Archaeology: The Collaboration of Public and Private Organizations to Preserve, Protect, and Promote a Spanish-American War Fort on a South Carolina Sea Island
10:15 James Herbert and Sean Connughton—Exploring “Helicopter” Consulting
10:30 Sunny Ngirmang, Camilla Borrevik, Calvin Emesiochel, Errolflynne Kloulechad and Derek Benjamin—Managing Cultural Resources within Protected Areas
10:45 Hayley Roberts—Local Archaeology Societies in the United Kingdom
11:00 Shaina Molano and Kimberly Munro—Displays of Identity: A Community-Engaged Approach to Studying Identity through Photo Diaries
11:15 Robert O’Boyle, Erich Longie and Dianne Desrosiers—Working Together to Save Our Culture: Creating a Tribal Register of Historical Places
11:30 Carolyn Dillian—Discussant

- [395] SYMPOSIUM ■ MATERIAL ENCOUNTERS AND INDIGENOUS TRANSFORMATIONS IN THE EARLY COLONIAL AMERICAS**
(Sponsored by ERC-NEXUS1492)
Room: East Meeting Room 1 (VCC)
Time: 8:00 AM–12:00 PM
Chairs: Floris Keehnens and Corinne L. Hofman

Participants:

- 8:00 Perry Gnivecki and Mary Jane Berman—Colonial Encounters in Lucayan Contexts
8:15 Floris Keehnens—Treating “Trifles”: The Indigenous Adoption of European Material Goods in Early Colonial Hispaniola (1492–1550)
8:30 Roberto Valcárcel Rojas and Menno Hoogland—European Material Culture in Indigenous Sites in Northeastern Cuba
8:45 Jaime Awe—Exotics for the Gods: Lowland Maya Ritual Consumption of European Goods along a Spanish Colonial Frontier
9:00 Charles Cobb and James Legg—Indigenous Appropriations of Spanish Metal Goods in Southeastern North America
9:15 Rus Sheptak and Rosemary Joyce—Hybrid Cultures: The Visibility of the European Invasion of Caribbean Honduras in the Sixteenth Century
9:30 Menno Hoogland and Corinne L. Hofman—Colonial Encounters in the Southern Lesser Antilles
9:45 Craig Cipolla—Discussant
10:00 Marlieke Ernst and Corinne L. Hofman—Breaking and Making Identities: Transformations of Ceramic Repertoires in Early Colonial Hispaniola
10:15 Shea Henry—Contact and Colonial Impact in Jamaica: Comparative Material Culture and Diet at Sevilla la Nueva and the Taino Village of Maima
10:30 Alberto Sarcina—Santa María de la Antigua del Darién: The Aftermath of Colonial Settlement
10:45 Andrzej T. Antczak and Maria Magdalena Antczak—Rancherías: Historical Archaeology of Early Colonial Campsites on Margarita and Coche Islands, Venezuela
11:00 William Fowler and Jeb C. Card—Material Encounters and Indigenous Transformations in Early Colonial El Salvador
11:15 Shannon Iverson—Resignification as a Way In and a Way Out: Power and the Colonial Religious Experience in Tula, Hidalgo
11:30 Clay Mathers—War and Peace in the Sixteenth-Century Southwest: Objected-Oriented Approaches to Native-European Encounters and Trajectories
11:45 Neal Ferris—Discussant

- [396] GENERAL SESSION ■ ARCHAEOLOGICAL APPROACHES TO RITUAL AND RELIGION**
Room: East Meeting Room 10 (VCC)
Time: 10:15 AM–12:00 PM
Chair: Katherine Erdman

Participants:

- 10:15 Andrew Martin—Native Science: How a Native American Understanding of Ritual as a Science Can Help Archaeological Analysis
10:30 Katherine Erdman—“Are You There Gods?” Offerings and Communication between Worlds in Protohistoric France
10:45 David Pollack and A. Gwynn Henderson—Fort Ancient (AD 1350–1450) Domestic Rituals of the Middle Ohio Valley
11:00 Sam Nixon and Simon Kaner—The Arrival of Belief: Religion and Art at the Extremities of the Silk Roads, AD 500–800
11:15 Adam Birge—Mapping Lines and Lives at the Sajama Lines, Bolivia: A Model for Ritualized Landscapes

- 11:30 Bryan Schaeffer—Cosmogenesis in the Mixtec Codices: Visual Narratives of Place, Emergence, and Movement
- 11:45 Takao Sato, Andrzej Weber, Taichi Hattori, Tomonari Takahashi and Hirofumi Kato—Animal Utilization and Animal Rituals of the Okhotsk Culture: With Special Reference to Their Period and Regional Differences

SAA Awards, Scholarships, and Fellowships

AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS

Established in 2001, this award recognizes the excellence of an archaeologist whose innovative and enduring research has made a significant impact on the discipline. Nominees are evaluated on their demonstrated ability to successfully create an interpretive bridge between good ideas, empirical evidence, research, and analysis. This award now subsumes three themes presented on a cyclical basis: (1) an Unrestricted or General Category, (2) Lithic Analysis, and (3) Ceramic Analysis.

2001	George L. Cowgill
2002	Robin Torrence
2003	Carol Kramer (<i>posthumous</i>) Hector Neff
2004	David Lewis-Williams
2005	George H. Odell
2006	Michael Brian Schiffer
2007	Robert L. Bettinger
2008	William Andrefsky, Jr.
2009	Judith Habicht-Mauche
2010	Timothy A. Kohler
2011	Steven Shackley
2012	James Skibo
2013	Gayle Fritz
2014	Harold Lewis Dibble
2015	Barbara J. Mills
2016	Barbara Voorhies

BOOK AWARD

Established in 1995 to honor a recently published book that has had, or is expected to have, a major impact on the direction and character of archaeological research. The prize was awarded for the first time at the 61st Annual Meeting.

1996	Mary C. Stiner
1997	Bruce D. Smith
	Carmel Schrire
1998	Tom D. Dillehay
	Stephen Plog
1999	Mark Lehner
	Jon Muller
2000	Clive Gamble
2001	William W. Fitzhugh
	Elisabeth I. Ward
2002	Lewis Binford
	Anne-Marie Cantwell &
	Diana DiZerega Wall
2003	Kathleen Deagan &
	José María Cruxent

Thomas F. King, Randall S. Jacobson, Karen Ramey Burns & Kenton Spading

2004	Brian Fagan
2005	T.J. (Tony) Wilkinson
2006	Susan Toby Evans
	Kelley Hays-Gilpin
	Peter Bellwood
	James E. Bruseth & Toni S. Turner
	Kristian Kristiansen &
	Thomas B. Larsson
	Bradley T. Leppe
2008	Tom Dillehay
	James W. Bradley
2009	Lothar Von Falkenhausen
	Jack Brink
2010	David W. Anthony
	Rebecca Yamin
2011	Vernon James Knight Jr.
	Steven Simms
2012	Matthew Richard Des Lauriers
	Terry Hunt
	Carl L. Lipo
2013	Elizabeth Arkush
	Patrick Kirch
2014	Michael L. Galaty
	Ols Lafe
	Wayne E. Lee
	Zamir Taflila
	Jerry D. Moore
2015	Dimitra Papagianni &
	Michael A. Morse
	Steven A. Wrenke
2016	Miranda Aldhouse-Green
	Robert Bettinger
	Guolong Lai

AWARD FOR EXCELLENCE IN LATIN AMERICAN AND CARIBBEAN ARCHAEOLOGY

Initiated in 2010 to recognize an individual who has made a lasting and significant contribution to the practice of archaeology and/or to the construction of archaeological knowledge in Latin America or the Caribbean.

2011	Jeremy A. Sabloff
2013	Luis Guillermo Lumbreras Salcedo
2014	Luis Alberto Borroto
2015	Jeffrey Parsons
2016	Robert D. Drennan

AWARD FOR EXCELLENCE IN CERAMIC STUDIES

Initiated in 1994 to recognize excellence by an archaeologist whose innovative Research or repeated and enduring contributions have advanced archaeology. (*Succeeded in 2001*)

by the Award for Excellence in Archaeological Analysis)

1994	Patricia L. Crown William A. Longacre
1995	Frederick Matson Prudence Rice
1996	Dean E. Arnold
1997	Ronald Bishop James Hill
1998	Robert L. Rands
1999	Warren R. DeBoer
2000	Owen Rye

CHERYL L. WASE MEMORIAL SCHOLARSHIP

Archaeologist Cheryl L. Wase spent most of her career working in the high deserts of New Mexico. She died at the too-young age of 53 in 2004. When her mother, Jane Francy Wase, passed away in 2013, she left a bequest to the Society for American Archaeology to endow a memorial scholarship in her daughter's name. This generous memorial bequest brings together three major themes that defined Cheryl Wase's life: her dedication to archaeology, her love for New Mexico, and her constant willingness to help and support other women.

2016	Kayla Brown Keighley Hastings Kailey Martinez Samantha Ascoli
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CRABTREE AWARD

Established in 1985 to recognize significant contributions to archaeology in the Americas made by an individual who has had little if any formal training in archaeology and little if any wage or salary as an archaeologist. The award is named after Don Crabtree of Twin Falls, Idaho, who made significant contributions to the study of lithic technology and whose dedication to archaeology was a lifelong personal and financial commitment.

1985	Clarence H. Webb, MD
1987	Leonard W. Blake
1988	Julian Dodge Hayden
1989	J. B. Sollberger
1990	Ben C. McCary
1991	James Pendergast
1992	Stuart W. Conner
1993	Mary Elizabeth Good
1994	Leland W. Patterson
1995	Jeff Carskadden
1996	James H. Word

1997	Sidney Merrick Wheeler (posthumous) & Georgia Nancy Wheeler Felts
1998	Reca Jones
1999	Gene L. Titmus
2000	Richard P. Mason
2001	John D. "Jack" Holland
2002	Richard A. Bice
2003	Dr. Guillermo Mata Amado
2004	Robert Patten
2005	Eugene C. Winter, Jr.
2006	Karl Herbert Mayer
2007	Jay C. Blaine
2009	Paul Tanner
2010	Larry Kinsella
2011	George Poetschat
2012	John T. Dowd
2013	Edward and Diane Stasack
2014	Francis H. "Frankie" Snow
2015	Tom Middlebrook
2016	Steven Freers

AWARD FOR EXCELLENCE IN CULTURAL RESOURCE MANAGEMENT

Established in 1994 to recognize lifetime contributions and special achievements by an archaeologist in one of three areas: program administration and management, site preservation, and research. Each year the award is given in one area on a rotating basis.

1994	Hester A. Davis
1995	Lawrence E. Aten
	Calvin R. Cummings
	Shereen Lerner
1995	Charles R. McGimsey III
1996	William R. Hildebrandt
1997	James J. Miller
1998	David A. Frederickson
1999	David G. Anderson
2000	Robert Jackson
2002	Laurence W. Spanne
2003	John Milner Associates & The General Services Administration
2004	Linda Mayro
2005	Arizona Site Steward Program
2007	George Smith
2008	John Walthall
2009	Mike Beckes
2010	William H. Doelle
2011	Nelly Robles Garcia
2013	Henry D. Wallace
2014	Mark Michel
2016	Tom Emerson

AWARD FOR EXCELLENCE IN CURATION,**COLLECTIONS MANAGEMENT, AND COLLECTIONS**

This award recognizes outstanding efforts and advancements in the curation, management, and use of archaeological collections for research, publication, and/or public education. This award subsumes four themes presented on a cyclical basis.

- 2016 The U.S. Army Corps of Engineers Mandatory Center of Expertise for the Curation and Management of Archaeological Collections

DISSERTATION AWARD

Presented to an archaeologist just entering the profession whose doctoral dissertation is judged to be particularly outstanding. The prize consists of three-year membership in the society.

- | | |
|------|--|
| 1988 | Judith A. Habicht Mauche
(Harvard Univ) |
| 1990 | David J. Bernstein
(SUNY-Binghamton) |
| 1991 | David Anderson
(Univ of Michigan) |
| 1992 | Lynette C. Norr
(Univ of Illinois) |
| 1993 | Cathy Lebo
(Indiana Univ) |
| 1994 | Mary Van Buren
(Univ of Arizona) |
| 1995 | David R. Abbott
(Arizona State Univ) |
| 1996 | Daniel R. Finamore
(Boston Univ) |
| 1997 | Alvaro Higueras-Hare
(Univ of Pittsburgh) |
| 1998 | Mark D. Varien
(Arizona State Univ) |
| 1999 | Karen G. Harry
(Univ of Arizona) |
| 2000 | Alex Barker
(Univ of Michigan) |
| 2001 | Andrew I. L. Duff
(Arizona State Univ) |
| 2002 | Silvia R. Kembel
(Stanford Univ) |
| 2003 | Wesley Bernardini
(Arizona State Univ.) |
| 2004 | Ian G. Robertson
(Arizona State Univ) |
| 2005 | Severin M. Fowles
(Univ of Michigan) |
| 2006 | Elisabeth Hildebrand
(Washington Univ) |

- 2007 Matthew Liebmann
(Univ of Pennsylvania)

- 2008 Kevin D. Fisher
(Univ of Toronto)

- 2009 Timothy C. Messner
(Temple Univ)

- 2010 Sarah Clayton
(Arizona State Univ)

- 2011 Scott G. Ortman
(Arizona State Univ)

- 2012 Christopher Morehart
(Northwestern Univ)

- 2013 Amanda Logan
(Univ of Michigan)

- 2014 Matthew A. Peebles
(Arizona State Univ)

- 2015 Alan Farahani
(Univ of California, Berkeley)

- 2016 Guy David Hepp
(Univ of Colorado, Boulder)

DISTINGUISHED SERVICE AWARD

(Succeeded by the Lifetime Achievement Award in 2001)

Presented annually to a member for specific accomplishments that are truly extraordinary, widely recognized as such, and of a positive and lasting quality. Recognition can be granted in a wide range of areas relating to archaeology. First awarded in 1975, SAA decided in 1980 to make the award on an annual basis.

- | | |
|------|---|
| 1975 | Carl Haley Chapman
Charles Robert McGimsey III |
| 1980 | Gordon Randolph Willey |
| 1981 | Albert Clanton Spaulding |
| 1982 | Jesse David Jennings |
| 1983 | Hannah Marie Wormington |
| 1984 | James Bennett Griffin |
| 1985 | Emil Walter Haury |
| 1986 | Waldo R. Wedel |
| 1987 | William A. Ritchie |
| 1988 | Richard B. Woodbury
Nathalie F. S. Woodbury |
| 1989 | George Irving Quimby |
| 1990 | Fred Wendorf |
| 1991 | Douglas Schwartz |
| 1992 | John E. Yellen |
| 1993 | George J. Gumerman |
| 1994 | Hester A. Davis |
| 1995 | Stuart Stuever |
| 1996 | Robert McCormick Adams |
| 1997 | Dena Dincauze |
| 1998 | Raymond H. Thompson |
| 1999 | James A. Brown |
| 2000 | William D. Lipe |

FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH

Initiated in 1977 to specially recognize interdisciplinary excellence by a distinguished scientist, who need not be an archaeologist but whose research has contributed significantly to American archaeology. Each year the award is based on practice in one of five disciplines: earth sciences, physical sciences, general interdisciplinary studies, zoological sciences, and botanical sciences. The award, which consists of a citation and a medallion, was named in memory of Roald Fryxell, whose career exemplified so well the crucial role of interdisciplinary cooperation in archaeology.

1978	C. Vance Haynes
1979	Peter J. Mehringer
1980	James B. Griffin
1981	Karl W. Butzer
1982	David J. Baerreis
1983	John E. Guilday (<i>posthumous</i>)
1985	Roger T. Saucier
1986	Donald K. Grayson
1987	Richard I. Ford
1988	David M. Hopkins
1989	Joseph B. Lambert
1990	Patty Jo Watson
1991	Paul W. Parmalee
1992	Richard Yarnell
1993	Herbert E. Wright Jr.
1994	Garman Harbottle
1995	Robert J. Braidwood
1996	Elizabeth S. Wing
1997	Vorsila L. Bohrer
1998	John W. Weymouth
1999	Henry P. Schwarcz
2000	Richard S. MacNeish
2001	Melinda A. Zeder
2002	Deborah M. Pearsall
2003	George Rapp
2004	R.E. Taylor
2005	Bruce D. Smith
2006	Oscar Polaco Ramos
2007	Vaughn M. Bryant
2008	Paul Goldberg
2009	Michael D. Glascock
2010	Jane Buikstra
2011	R. Lee Lyman
2012	Christine Hastorf
2013	Anthony Aveni
2014	Marvin W. Rowe
2015	David Hurst Thomas
2016	Elizabeth J. Reitz

DOUGLAS C. KELLOGG FUND FOR GEOARCHAEOLOGICAL RESEARCH

Under the auspices of the Society for American Archaeology's Geoarchaeology Interest Group, family, friends, and close associates of Douglas C. Kellogg formed a memorial fund in his honor. The fund will provide support of thesis or dissertation research, with emphasis on the field and/or laboratory parts of this research, for graduate students in the earth sciences and archaeology.

2003	Aleksander Borejsza
2005	Ian Buvitt
2006	Heidi Luchsinger
2007	Katheribe A. Adelsberger
2008	Kurt Rademaker
2009	Benjamin R. Vining
2011	Teresa Wriston
2012	Joe D. Collins, JR.
2013	Craig Fertelmes
2014	Michael Aiuvvalasit
2015	Bryn Letham
2016	Jennifer Kielhofer

LIFETIME ACHIEVEMENT AWARD

(formerly the *Distinguished Service Award*)

The Lifetime Achievement Award is presented annually in recognition of a member who has performed truly extraordinary service of positive and lasting quality to the Society for American Archaeology or to the profession as a whole.

2001	Jeffrey S. Dean
2002	Jaime Litvak King
2003	Don D. Fowler
2004	Ian Graham
2005	George Carr Frison
2006	Bruce Trigger
2007	Frank Hole
2008	Lewis R. Binford
2009	Linda Cordell
2010	Patty Jo Watson
2011	W. Raymond Wood
2012	Bennie C. Keel
2013	Henry Wright
2014	Jeremy Sabloff
2015	Bruce D. Smith
2016	Margaret W. Conkey

DIENJE KENYON MEMORIAL FELLOWSHIP

The Dienje Kenyon Memorial Fellowship is presented in support of research by women students in the early stages of their archaeological training. It is presented in honor of Dienje Kenyon and was awarded for the first time in 2000.

2000	Rhonda Bathurst	Gordon C. Moore
2001	Briana Pobiner	Carley Kaleo Veary
2002	Elizabeth Espy	Scott T. Kikiloi
2003	Elizabeth Arnold	2005 Lizatine A. Tsosie
2004	Jamie Clark	Laurie Shead
2005	Michelle LeFebvre	Denny Gayton
2006	Sarah Elizabeth Mistak	2006 Vera Asp
2007	Jennifer L. Henecke	Ashley Layne Atkins
2008	Sarah G. Bergh	Joey Condit
2009	Kayla L. Pettit	Elizabeth Lein'Ala Kahave
2010	Ashley Sharpe	Roberta Lynn Thomas
2011	Carla Hadden	2007 Tracey Pierre
2012	Angela R. Perri	2008 Na'Lilma Ahuna
2013	Shoshana Rosenberg	Simon Solomon
2014	Sarah Raffae MacIntosh	2009 Shianne Sebastian
2015	Allison L. Wolfe	Ira K. Matt
2016	Arianne Boileau	Wesley D. Miles

AWARD FOR EXCELLENCE IN LITHIC STUDIES

Established in 1994 to recognize excellence by an archaeologist whose innovative research or repeated and enduring contributions have contributed significantly to archaeology.
 (Succeeded in 2001 by the Award for Excellence in Archaeological Analysis)

1994	John Witthoft (<i>posthumous</i>)
1995	Harry J. Shafer
	Lawrence Keeley
1996	Jay K. Johnson
1998	Kenneth Hirth
1999	Barbara E. Luedtke
2000	Tom Hester

NATIONAL SCIENCE FOUNDATION SCHOLARSHIPS FOR ARCHAEOLOGICAL TRAINING FOR NATIVE AMERICANS AND NATIVE HAWAIIANS

This scholarship supports training in archaeological methods for students and personnel of tribal or other Native cultural preservation programs who are from Native or indigenous populations in the United States and Canada.

1999	Lokelani H. Aipa
	Frank Mt. Pleasant
	Leslie Awong
2000	Leander Lucero
	Amada Rockman
	Lahela Perry
2001	Bonnie Lee Dziadasek
	Desiree Martinez
	Blair First Rider
2002	Deona Naboa
	Natalie Ball
	Tracy Pierre
2003	Michael Garcia

2005	Gordon C. Moore
	Carley Kaleo Veary
	Scott T. Kikiloi
2006	Lizatine A. Tsosie
	Laurie Shead
	Denny Gayton
2007	Vera Asp
	Ashley Layne Atkins
	Joey Condit
2008	Elizabeth Lein'Ala Kahave
	Roberta Lynn Thomas
2009	Shianne Sebastian
	Ira K. Matt
	Wesley D. Miles
2010	Wesley D. Miles
	Simon Arthur Solomon
	Elijah Sanderson
2011	Robert James David
	Kevin J. Brown
	Liana Staci Hesler
2012	Joshua Castleman
	Joel Nicholas
	Autumn Whiteway
2013	Alyssa Christine Bader
	Dylan Ray Jennings
	Susan Mary Louise Peone
2014	Alicia Mary Olea
2015	Alicia Gooden
	Kristen Green
	Anita Johnson-Henke
	Regina Mad Plume
	Peter Nelson
2016	Regina Hilo
	Kristyn Hara

GEOARCHAEOLOGY INTEREST GROUP MA/MS RESEARCH AWARD

The Geoarchaeology Interest Group MA/MS Research Award provides support for thesis research, with emphasis on the field and/or laboratory aspects, for graduate students in the earth sciences and archaeology.

2014	Brendan S. Fenerty
2015	Alexander Delgado
2016	Kendal R. Jackson

HISTORICALLY UNDERREPRESENTED GROUPS SCHOLARSHIP

The SAA Historically Underrepresented Groups Scholarship (HUGS) helps increase the number of underrepresented minorities obtaining degrees in archaeology. It provides funding to minority archaeology students, helping them enhance their education and

successfully prepare for a variety of careers in archaeology and heritage management. The scholarship is overseen by the Minority Scholarships Committee of the SAA.

2015	Gabriel Sanchez Dania Jordan Sameen Mansoor
2016	Milena Carvalho Danielle Huerta Raghda El-Behaedi Lisa Small

ARTHUR C. PARKER SCHOLARSHIP

This scholarship supports training in archaeological methods for students and personnel of tribal or other Native cultural preservation programs who are from Native or indigenous populations in the United States and Canada. The scholarship is named in honor of SAA's first president, Arthur C. Parker, who was of Seneca ancestry.

1998	Angela J. Neller
1999	Iwalani Ching
2000	Randy Thompson
2001	Cynthia Williams
2002	Nola Markey
2003	Kalewa Skye Arie Correa
2004	Sean P. Naleimiale
2005	Larae Buckskin
2006	Malia Kapuanalani Evans-Mason
2007	Ora Marek
2008	Marie Sina Faatuala
2009	Travis Maki
2010	Paulette Faith Steeves
2011	Kamakana Christian Ferreira
2012	Ashleigh Thompson
2013	Rebecca Heidenreich
2014	The Navajo Nation Archaeology Department
2015	Brittney Diesbourg
2016	Beau Duke Carroll

NATIVE AMERICAN GRADUATE ARCHAEOLOGY SCHOLARSHIP

This scholarship supports graduate studies for Native American students, including but not limited to tuition, travel, food, housing, books, supplies, equipment and childcare (up to \$10,000).

2010	Ashley Lane Atkins
2011	Frank James Raslich
2012	Nicholas Laluk
2013	Davina Two Bears
2014	Joseph Aguilar

2015	Garrett W. Briggs
2016	Antonio Villasenor- Marchal

NATIVE AMERICAN UNDERGRADUATE ARCHAEOLOGY SCHOLARSHIP

This scholarship supports undergraduate studies for Native American students, including but not limited to tuition, travel, food, housing, books, supplies, equipment and childcare (up to \$5,000).

2010	Vanessa T. Cabrera
2011	Garrett W. Briggs
2012	Laura Jane Brandon
2013	Chi R. Woodrich
2014	Anita Fells
2015	Grey Don Johnson
2016	Jair Boro Munduruku

FRED PLOG MEMORIAL FELLOWSHIP

The Fred Plog Memorial Fellowship is named for a major archaeologist in Southwest research who also was an inspiring teacher.

1999	Sarah Herr
2001	Deborah Huntley
2005	Greg Schachner
2007	Michael Mathiowetz
	Todd Pitezel
2008	Deanna Grimstead
2009	Samuel Duwe
2010	Matthew Peebles
2011	William Reitze
2012	Joshua Watts
2013	Katherine Dungan
2014	Christopher W. Merriman
	Kathryn J. Putsavage
2015	Saul L. Hedquist
2016	Jacob Lulewicz

POSTER AWARD

Presented to promote interest and acceptance of the poster in the dissemination of archaeological research, to increase the quality of Poster presentations, and to acknowledge the very best accomplishments in this valuable medium. The award, initiated at the 58th Annual Meeting in 1993, is given in two categories: student and professional/non-student. As of 2008, only the student category continued; the professional category was sunsetted.

1993	Cynthia Herhahn (<i>Student</i>) Virginia Butler & James Chatters (<i>Professional</i>)
1994	Alanah J. Woody (<i>Student</i>)

	George R. Miller & James S. Oliver <i>(Professional)</i>	Bridget Zavala & Jose Luis Punzo Diaz <i>(Student)</i>
	Dennis E. Lewarch & Laura S. Phillips <i>(organizers, Outstanding Poster Symposium)</i>	2008 Brandi Lee MacDonald, R.G.V. Hancock, Alison Pidruczny & Aubrey Cannon <i>(Student)</i>
1995	Tim Hunt, Mark Madsen & Carl Lipo <i>(Student)</i>	2009 Susan M. Mentzer <i>(Student)</i>
	Brenda J. Baker & Maria A. Liston <i>(Professional)</i>	2010 Metin I. Eren, Adam Durant & Christina Neudorf <i>(Student)</i>
1996	Clinton C. Hoffman <i>(Student)</i> Adam King <i>(Student)</i> Stephen H. Lekson <i>(Professional)</i>	2011 Alexander Smith & Danielle Raad <i>(Student)</i>
1997	Anastasia Steffen, Rita Moots Skinner & Ann F. Ramenofsky <i>(Student)</i> Judith A. Habicht-Mauche, A Russell Flegal, Stephen Glenn & Horner Milford <i>(Professional)</i>	2013 G. Logan Miller <i>(Student)</i>
1998	Lisa Nagaoka <i>(Student)</i> Shannon P. McPherron & Harold L. Dibble <i>(Professional)</i>	2015 Jenna Kay Carlson <i>(Student)</i>
1999	Diana Greenlee, Robert C. Dunnell, Terry Hunt & Michael Pfeffer <i>(Student)</i>	2016 Amy N. Fox <i>(Student)</i>
	Neal H. Lopinot & Jack H. Ray <i>(Professional)</i>	
2000	Diana M. Greenlee <i>(Student)</i> Fraser D. Neiman <i>(Professional)</i>	
2001	Jonathan Scholnick, Derek Wheeler & Fraser Neiman <i>(Student)</i> Jeffrey Homburg, Eric Brevic, Jeffrey Altschul, Anthony Orme & Steven Shelly <i>(Professional)</i>	1990 Jerome A. Miller Nathalie F. S. Woodbury
2002	Laura Smith, James Jordan, David Johnson, Casey Haskell & Herbert Maschner <i>(Student)</i> Manuel R. Palacios-Fest & Jeffrey A. Homburg <i>(Professional)</i>	1991 Lynne Goldstein Rachael Hamilton Keith Kintigh Earl Lubensky Loretta Neumann Kathleen Reinburg David Hurst Thomas
2003	Stacey Chambliss <i>(Student)</i> Diana M. Greenlee <i>(Professional)</i>	1992 Mark Leone Jeremy A. Sabloff
2004	Andrew Isaac, Mark Muldoon, Keri Brown & Terry Brown <i>(Overall)</i> Sara Bon-Harper, Jennifer Aultman, Nick Bon-Harper & Derek Wheeler <i>(Professional)</i> Stacy Lengyel <i>(Student)</i>	1993 Jerald Milanich Daniel G. Roberts Bruce D. Smith Vincas P. Steponaitis
2005	Ethan Cochran, Julie Field & Diana Greenlee <i>(Student)</i> James Feathers, Jack Johnson & Silvia Kembel <i>(Professional)</i>	1994 David S. Brose Edward Friedman R. Bruce McMillan Teresita Majewski William H. Marquardt Dan F. Morse J. Daniel Rogers Katharina J. Schreiber Dean Snow Vincas P. Steponaitis
2006	Ruth Dickau <i>(Student)</i> Robert Hard, Cynthia Muñez & Anne Katzenberg <i>(Professional)</i>	1995 Paul Takac Mark Aldenderfer Roger Anyon Robert Drennan Diane Gifford-Gonzalez Lynne Goldstein Keith Kintigh Mark J. Lynott Phyllis Messenger, KC Smith & Cathy MacDonald
2007	Jeffrey Ferguson, Jelmer E. Eerkens & Michael Glascock <i>(Professional)</i>	Paul Minnis

PRESIDENTIAL RECOGNITION AWARD

Instituted in 1990 to permit SAA to recognize individuals who have provided extraordinary services to the society and the profession in the past year. Awardees are determined by the president of the society, in consultation with members of the Board.

	Bruce E. Rippeteau Alison Wylie Melinda A. Zeder	Daniel H. Sandweiss Phillip L. Walker 75th Anniversary Task Force:
1996	Brian Fagan Paul Fish & Suzanne K. Fish Jonathan Lizee Toni Moore Carol Shull George Stuart	Jeremy Sabloff James Sneed Wendy Ashmore David Brownman Don Fowler Lisa Lecount Linda Manzanilla Bruce Smith
1997	Mark Aldenderfer David Anderson Roger Anyon & T. J. Ferguson Keith Kintigh Florence Lister Donna Seifert Joe Watkins	Fundraising Committee: William Doelle Susan Bender Cathy Cameron John E. Kelly Paul Minnis Linda Pierce Bruce Rippeteau Martha Rolingson Ken Sassaman
1998	Stephen Dyson for <i>Archaeology Magazine</i> Ed Friedman Janet Levy William Lovis	2011 Susan B. Bruning Paul Minnis Jonathan Muller
1999	Caryn Berg Susan J. Bender Judith A. Bense Jon S. Czaplicki Gary Feinman Linda Manzanilla Tristine Lee Smart George S. Smith Joe Watkins	2012 Barbara M. Arroyo Tomas Enrique-Mendizabal Archibold Christopher D. Dore Daniel H. Sandweiss
2000	Lynne Goldstein James A. Goold Kurt E. Dongoske	2013 Susan Kane Cori Wegener Tim Melancon Serena Bellew
2001	Mark Aldenderfer Patricia Gilman The Law Department of the National Trust for Historic Preservation	2014 Deborah L. Nichols Christopher A. Pool Gabriela Uruñuela y Ladrón de Guevara
2002	Francis P. McManamon Ian W. Brown Michael J. Fanelli Donald Forsyth Craib Johnna Hutira	2015 Willem Willems Frederich (Fritz) Luëth Jane Eva Baxter Brian I. Daniels Salam al-Kuntar Anibal Rodriguez
2003	John Chamblee Fred Wendorf, Stuart Struever, & Doug Schwartz	AWARD FOR EXCELLENCE IN PUBLIC EDUCATION Begun in 1997 to recognize institutions or individuals who bring about an improved public understanding and appreciation of anthropology and archaeology.
2004	Garth Bawden Julie Hollowell-Zimmer & Chip Colwell-Chanthaphonh Erin Kuns	1997 Brian Fagan 1998 Jan Coleman-Knight 1999 Crow Canyon Archaeological Center 2000 George Stuart 2001 George Brauer 2002 AnthroNotes 2003 Jeanne Moe 2004 Patricia Wheat-Stranahan
2005	William Longacre	
2006	MATRIX Project	
2007	SAA National Historic Landmarks Committee	
2008	PEC Web Pages Working Group John Kantner Alex Barker Nelly Robles Garcia	

AWARD FOR EXCELLENCE IN PUBLIC EDUCATION

Begun in 1997 to recognize institutions or individuals who bring about an improved public understanding and appreciation of anthropology and archaeology.

2005	Office of Archaeological Studies at the Museum of New Mexico
2006	Richard M. Pettigrew
2007	The 5th St. Cemetery Necrogeographical Study
2008	Texas Beyond History Website
2009	Center for American Archaeology
2010	Project Archaeology
2012	Education Outreach Program of the Office of Archaeological Studies
2014	Abby the ArchaeoBus: Society for Georgia Archaeology New South Associates Georgia Transmission Corporation Georgia State University
2015	Kansas Archeology Training Program

PUBLIC SERVICE AWARD

Begun in 1983 to recognize the important contributions of a public figure to the protection and preservation of cultural resources. It is presented regardless of political affiliation to those who have taken a lead or made a major contribution to preserving the past. The awardees have been:

1983	Sen. Spark M. Matsasanaga Rep. Donald J. Pease
1984	Sen. James A. McClure
1985	Speaker James C. Wright Jr.
1986	Secretary of the Interior Donald P. Hodel
1987	Rep. John F. Seiberling
1988	Rep. Charles E. Bennett
1989	Sen. Peter V. Domenici
1990	Rep. Morris K. Udall
1991	Secretary of the Interior Manuel Lujan Jr.
1992	The Archaeological Conservancy
1993	Constance Werner Ramirez
1994	James Beck Deborah Daniels Jeffrey Kent Larry Mackey Scott Newman
1995	Grand Canyon Trust
1996	Rep. Bill Richardson
1997	Rep. Phil English
1998	Loretta F. Neumann
1999	Secretary of the Interior Bruce Babbitt
2000	Wayne Dance
2003	Representative Leonard Boswell
2004	Paula Desio
2005	Sen. Jeff Bingaman

2008	Arc of Appalachia Preserve System, Archaeological Conservancy, Wilderness East, and the Ross County Parks Department
2015	Glenn Morgan Arlene Fleming Jonathan Renshaw Elsa Chang

GENE S. STUART AWARD

Initiated in 1994 to enhance public understanding of archaeology and given each year for the best newspaper article or series focusing on archaeology. The award is named in honor of Gene Strickland Stuart, a writer and managing editor of National Geographic Society books who devoted her career to the presentation and interpretation of archaeology in a number of award-winning popular books.

1994	Scott LaFee (<i>San Diego Union-Tribune</i>)
1995	Nathan Seppa (<i>Wisconsin State Journal</i>)
1996	Matt Crenson (<i>Dallas Morning News</i>)
1997	(no award)
1998	Diedra Henderson (<i>Seattle Times</i>)
1999	William Mullen (<i>Chicago Tribune</i>)
2000	Frank Roylance (<i>Baltimore Sun</i>)
2001	Mike Toner (<i>The Atlanta Journal-Constitution</i>)
2002	Chip Minty (<i>The Daily Oklahoman</i>)
2004	Alexandra Witze (<i>Dallas Morning News</i>)
2005	Marion Lloyd (<i>Chronicle of Higher Education</i>)
2006	Andrew Petkofsky
2007	Richard L. Hill
2008	Tom Avril (<i>Philadelphia Enquirer</i>)
2009	Andrew Lawler (<i>Science Magazine</i>)
2010	Andrea Cooper (<i>freelance</i>)
2011	Dan Vergano (<i>USA Today</i>)
2012	Mike Toner (<i>American Archaeology</i>)
2013	Julian Smith (<i>American Archaeology</i>)
2014	Ann Gibbons (<i>Science Magazine</i>)
2015	Andrew Lawler (<i>Science Magazine</i>)
2016	Tamara Stewart (<i>American Archaeology</i>)

STUDENT PAPER AWARD

Initiated in 2000, this award is designed to recognize the best student research paper presented at the Annual Meeting. All student members of SAA are eligible to participate.

The awardees have been:

2000	Nathan S. Lowrey (with Thomas C. Pleger)
2002	Christopher Morehart
2003	Devin Alan White
2004	Briana L. Pobiner & David R. Braun
2005	Elizabeth Horton & Christina B. Rieth
2006	Metin I. Eren & Mary E. Prendergast
2007	Scott Ortman
2009	Michael Mathiowetz
2010	John M. Marston
2011	Melanie Beasley Jack Meyer Eric J. Bartelink Randy Miller
2012	Sean B. Dunham
2013	Bryn Letham David Bilton
2014	G. Logan Miller
2015	Catrine Jarman
2016	Natalie Mueller

ETHICS BOWL RECIPIENTS

Initiated in 2004, the Ethics Bowl is a festive, debate-style competition for students to explore the ethics of archaeological practice. The Ethics Bowl trophy is awarded each year to the team of students that responds to hypothetical dilemmas with the clearest intelligibility, depth, focus, and judgment.

2004	Indiana University/University of Nevada–Reno
2005	University of Arizona
2006	San Diego State University
2007	Brown University
2008	University of California–Berkeley
2009	Texas A&M
2010	Brown University
2011	University of California–Santa Barbara
2012	Northern Arizona University
2013	University of California–Berkeley
2014	University of California–Berkeley
2015	Hiatus
2016	University of Georgia

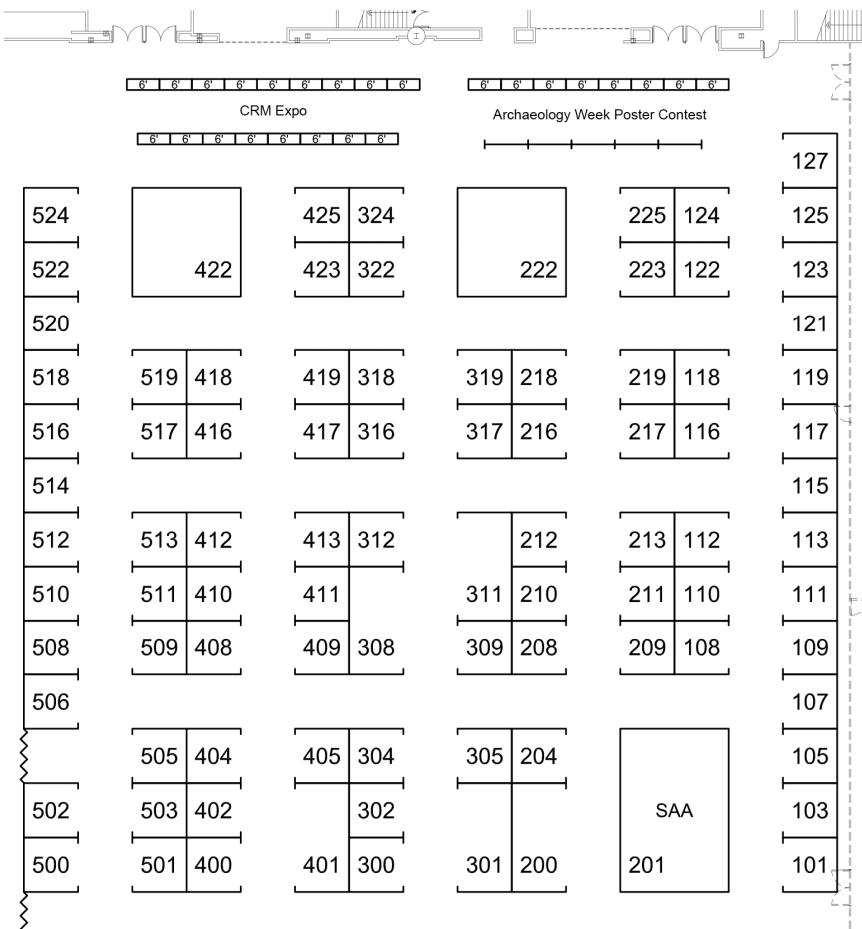
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Erik K. Reed	1960–1961
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William D. Lipe	1995–1997
Vincas P. Steponaitis	1997–1999
Keith W. Kintigh	1999–2001
Robert L. Kelly	2001–2003
Lynne Sebastian	2003–2005

Kenneth M. Ames	2005–2007	35th	Mexico City, Mexico May 1970
Dean R. Snow	2007–2009	36th	Norman, OK May 1971
Margaret W. Conkey	2009–2011	37th	Bal Harbour, FL May 1972
W. Frederick Limp	2011–2013	38th	San Francisco, CA May 1973
Jeffrey H. Altschul	2013–2015	39th	Washington, D.C. May 1974
Diane Gifford-Gonzalez	2015–2017	40th	Dallas, TX May 1975
Susan M. Chandler	2017–2019	41st	St. Louis, MO May 1976
		42nd	New Orleans, LA April 1977
		43rd	Tucson, AZ May 1978
		44th	Vancouver, Canada April 1979

ANNUAL MEETING SITES

1st	Andover, MA December 1935	45th	Philadelphia, PA May 1980
2nd	Washington, D.C. December 1936	46th	San Diego, CA April-May 1981
3rd	Milwaukee, WI May 1938	47th	Minneapolis, MN April 1982
4th	Ann Arbor, MI May 1939	48th	Pittsburgh, PA April 1983
5th	Indianapolis, IN April 1940	49th	Portland, OR April 1984
6th	Minneapolis, MN May 1941	50th	Denver, CO May 1985
7th	Cincinnati, OH May 1942	51st	New Orleans, LA April 1986
8th	(Because of travel difficulties and other wartime restrictions, the 1943 Annual Meeting was conducted by mail by the Executive Committee, whose actions were approved at the next Annual Meeting.)	52nd	Toronto, ON May 1987
9th	Washington, D.C. May 1944	53rd	Phoenix, AZ April 1988
10th	Washington, D.C. May 1945	54th	Atlanta, GA April 1989
11th	Indianapolis, IN May 1946	55th	Las Vegas, NV April 1990
12th	Ann Arbor, MI May 1947	56th	New Orleans, LA April 1991
13th	Milwaukee, WI May 1948	57th	Pittsburgh, PA April 1992
14th	Bloomington, IN May 1949	58th	St. Louis, MO April 1993
15th	Norman, OK May 1950	59th	Anaheim, CA April 1994
16th	Evanston, IL May 1951	60th	Minneapolis, MN May 1995
17th	Columbus, OH May 1952	61st	New Orleans, LA April 1996
18th	Urbana, IL May 1953	62nd	Nashville, TN April 1997
19th	Albany, NY May 1954	63rd	Seattle, WA March 1998
20th	Bloomington, IN May 1955	64th	Chicago, IL March 1999
21st	Lincoln, NE May 1956	65th	Philadelphia, PA April 2000
22nd	Madison, WI May 1957	66th	New Orleans, LA April 2001
23rd	Norman, OK May 1958	67th	Denver, CO March 2002
24th	Salt Lake City, UT May 1959	68th	Milwaukee, WI April 2003
25th	New Haven, CT May 1960	69th	Montreal, QC Mar-Apr 2004
26th	Columbus, OH May 1961	70th	Salt Lake City, UT Mar-Apr 2005
27th	Tucson, AZ May 1962	71st	San Juan, PR April 2006
28th	Boulder, CO May 1963	72nd	Austin, TX April 2007
29th	Chapel Hill, NC May 1964	73rd	Vancouver, BC March 2008
30th	Urbana, IL May 1965	74th	Atlanta, GA April 2009
31st	Reno, NV May 1966	75th	St. Louis, MO April 2010
32nd	Ann Arbor, MI May 1967	76th	Sacramento, CA Mar-Apr 2011
33rd	Santa Fe, NM May 1968	77th	Memphis, TN April 2012
34th	Milwaukee, WI May 1969	78th	Honolulu, HI April 2013
		79th	Austin, TX April 2014
		80th	San Francisco, CA April 2015
		81st	Orlando, FL April 2016
		82nd	Vancouver, BC Mar-Apr 2017



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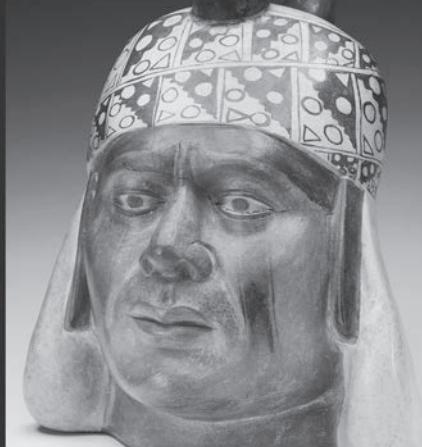
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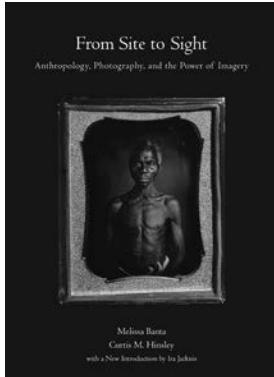
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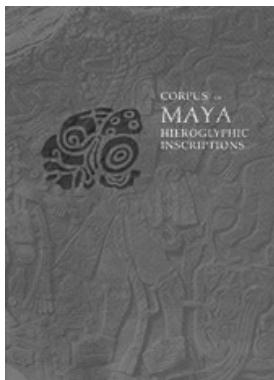
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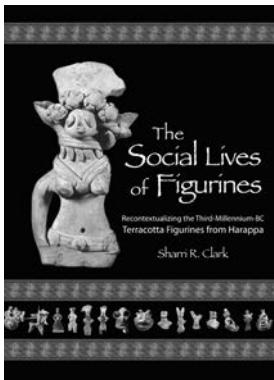
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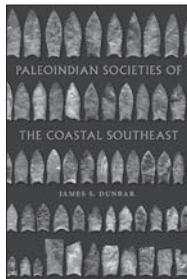
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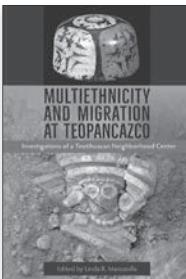
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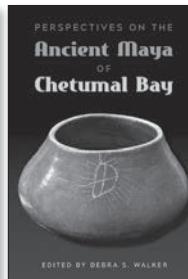


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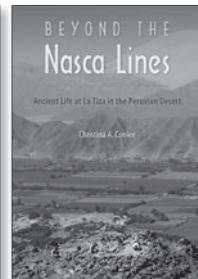
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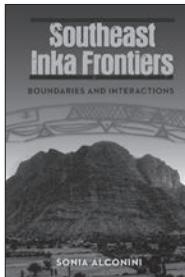
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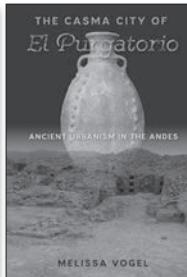
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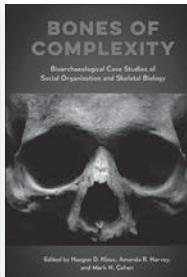
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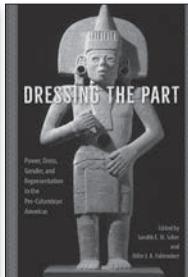
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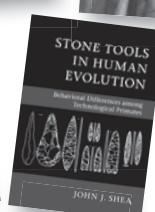
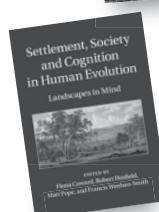
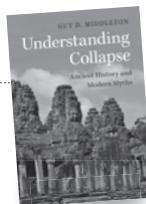
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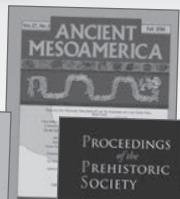
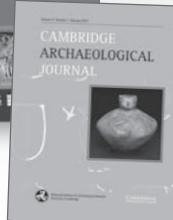
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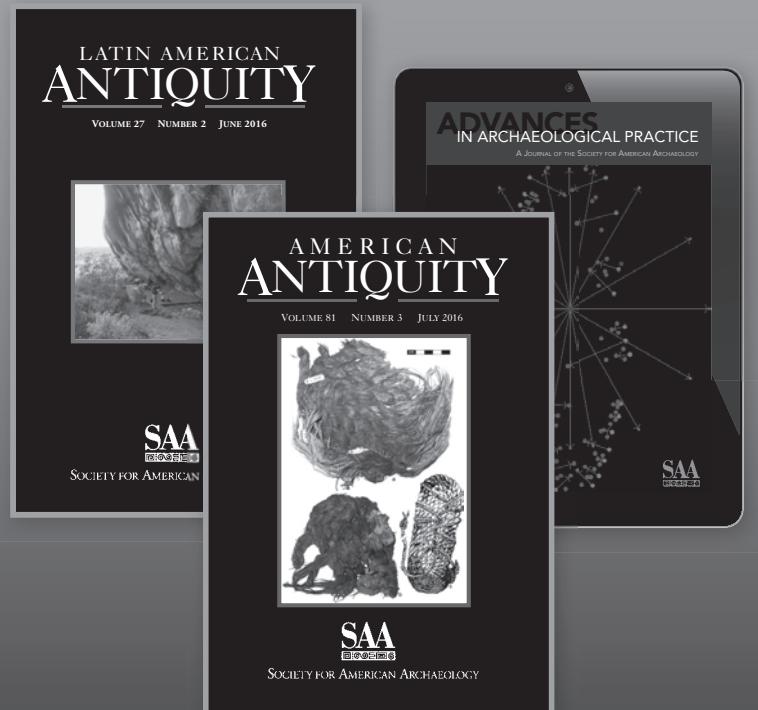
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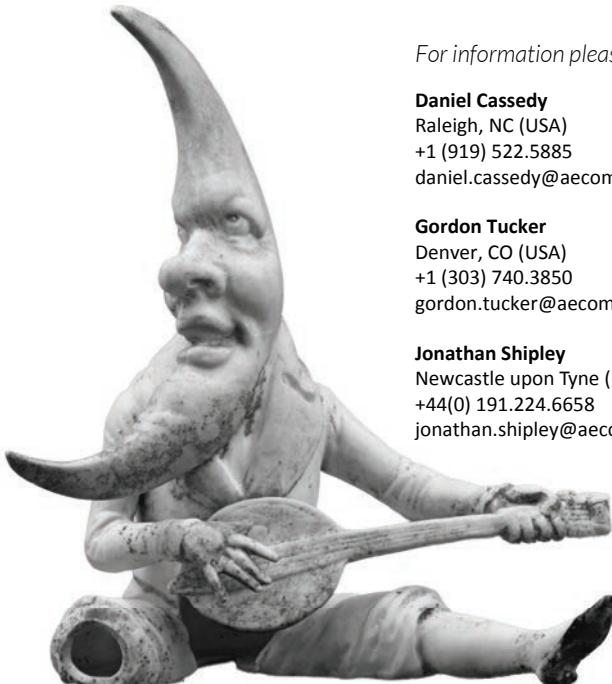
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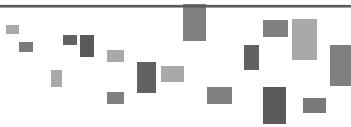
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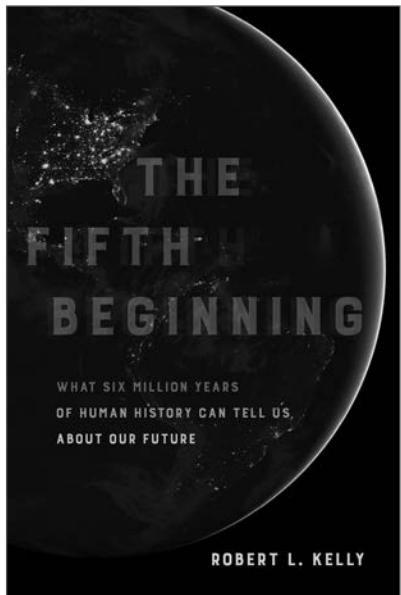


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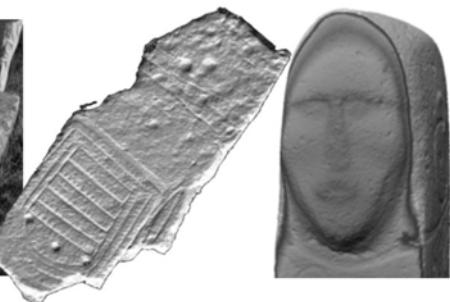
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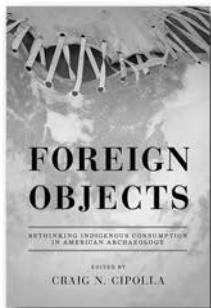
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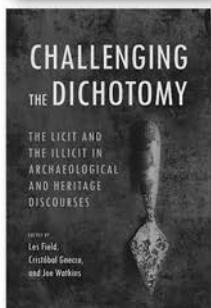
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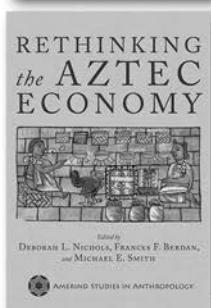
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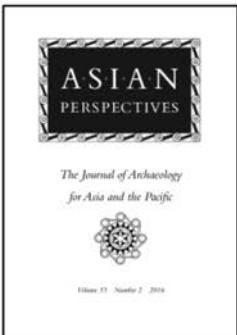
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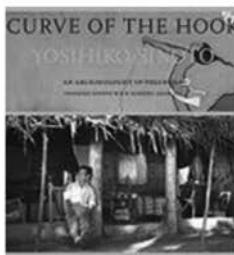
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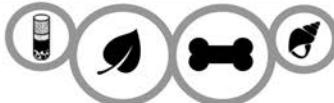
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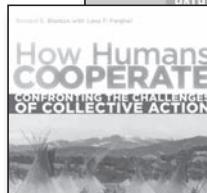


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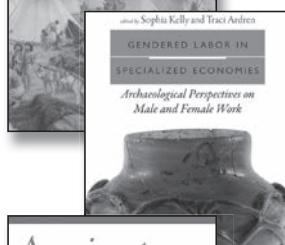
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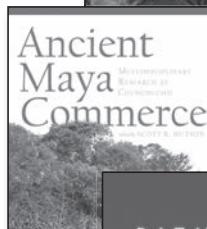
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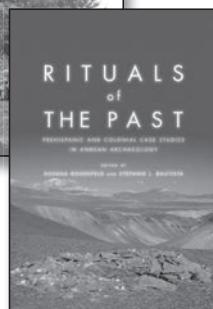


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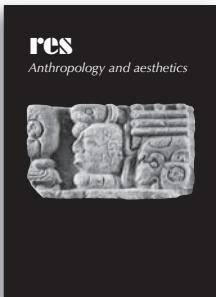
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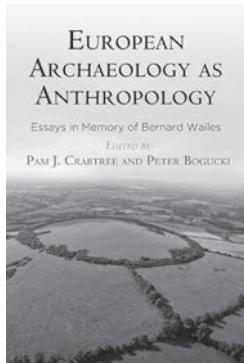
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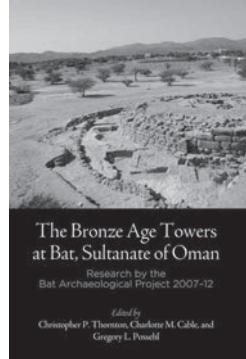


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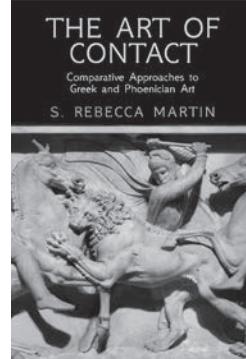
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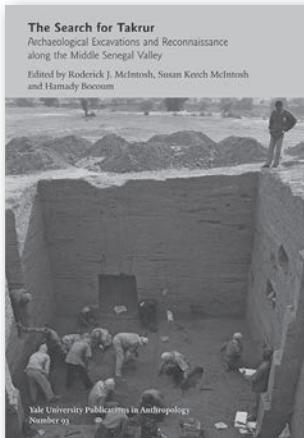
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